Coincidence Hydrogen Elastic Data Taking Date: 9/29/22 Initials: JRN

Trigger:_____

RUN: 17149	P-SHMS:	ϑ-SHMS:	COIN Prescale:
Target: (home)	P-HMS:	ϑ-HMS:	I (uA): no beam

Comment: trunk, prescales not correct

RUN: 17150	P-SHMS:	ϑ-SHMS:	COIN Prescale: PS1=0, EDTM rate = 4000
Target: (home)	P-HMS:	ϑ-HMS:	I (uA): no beam

Comment: high rate EDTM run, cermod.10, to look @ NGCER 1pe peak [started w/ 10 Hz EDTM, changed via go_edtm_set 4000 after start]

RUN: 17151	P-SHMS: -4.935	ϑ-SHMS: 26.00	COIN Prescale: PS1=0
Target: Hole	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 5

↓ from camera

Comment: 24,227 events, raster plots blank

RUN: 17152	P-SHMS: -4.935	ϑ-SHMS: 26.00	COIN Prescale: PS5=0
Target: LH2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA):

Comment:

Coincidence Hydrogen Elastic Data Taking Date: 22 / 9 / 24 Initials: MMD

Trigger: PS5=0, others=-1

RUN: 17156	P-SHMS: -4.935	ϑ-SHMS: 26.02	COIN Prescale: 0
Target: H2	P-HMS: 6.476	ϑ-HMS: 19.54	I (uA): <20

Comment:

PS1=8 PS4=0 PS5=0

RUN: 17162	P-SHMS: -4.935	ϑ-SHMS: 26.02	COIN Prescale: 0
Target: H_2	P-HMS: 6.476	ϑ-HMS: 19.54	I (uA):

Comment: Very trippy

RUN: 17163	P-SHMS:	ϑ-SHMS:	COIN Prescale: 0
Target:	P-HMS:	ϑ-HMS:	I (uA): 25

Comment:

RUN: 17164	P-SHMS:	ϑ-SHMS:	COIN Prescale:
Target:	P-HMS:	ϑ-HMS:	I (uA):

Comment:

Coincidence Hydrogen Elastic Data Taking Date: 10/01/22 Initials: DA

Trigger: PS1 = PS4 = PS5 = 0, others -1

RUN: 17165	P-SHMS: -4.935	ϑ-SHMS: 26.02	COIN Prescale: 0
Target: Hole	P-HMS: 6.476	ϑ-HMS: 19.54	I (uA): 5

Comment:

RUN: 17166	P-SHMS: -4.935	ϑ-SHMS: 26.02	COIN Prescale: 0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.54	I (uA): 20

Comment: Started with 20uA beam, expect to go up to 70uA.

RUN: 17167	P-SHMS: -4.935	ϑ-SHMS: 26.02	COIN Prescale: 0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.54	I (uA): 10

Comment: Started with 10uA, expect to go up to 70uA

RUN:	P-SHMS:	ϑ-SHMS:	COIN Prescale:
Target:	P-HMS:	ϑ-HMS:	I (uA):

Comment:

Coincidence Hydrogen Elastic Data Taking Date: 10/1/22 Initials: AS

Trigger:_____

RUN: 17169	P-SHMS: -8.0 GeV	ϑ-SHMS: 9.24°	COIN Prescale: 0
Target: LH2	P-HMS: +4.17 GeV	ϑ-HMS: 29.39°	I (uA): 20

Comment: PS1=12 PS2=-1 PS3=-1 PS4=PS5=0 PS6=-1

DAQ rate was 1600 Hz, should have been <100, stop, save, press start again

RUN: 17170	P-SHMS: same	ϑ-SHMS: same	COIN Prescale: 0
Target: LH2	P-HMS: same	ϑ-HMS: same	I (uA): 20

Comment: ~70 Hz now. ~~Probably didn't save properly. For last run~~

RUN: 17171	P-SHMS: -8.00 GeV	ϑ-SHMS: 9.24°	COIN Prescale: 0
Target: LH2	P-HMS: +4.17 GeV	ϑ-HMS: 29.39°	I (uA): 20/40/50/60

Comment: After FSD cord replacement of IC. Ops were testing (Main KIN 1 Stats)

RUN: 17172	P-SHMS: -8.0 GeV	ϑ-SHMS: 9.24°	COIN Prescale: 0
Target: LH2	P-HMS: +4.17 GeV	ϑ-HMS: 29.39°	I (uA): 20/40/50/60

Comment: PS-6 was delayed by 32ns

Coincidence Hydrogen Elastic Data Taking Date: 10 / 1 / '22 Initials: AS

Trigger: pTRIG 6 SHMS 3/4 + HMS 3/4 + SHMS 3/4 HMS 3/4 > Singles COIN

RUN: 17173	P-SHMS: -8.0 GeV	ϑ-SHMS: 9.24°	COIN Prescale: 0
Target: dummy	P-HMS: ~~29.39~~ +4.176 GeV	ϑ-HMS: 29.39°	I (uA): 40

Comment: KIN1 ENDS

RUN: 17174	P-SHMS: -8.0 GeV	ϑ-SHMS: 10.77°	COIN Prescale: 11, -1, -1, 0, -1, 0
Target: dummy	P-HMS: +3.76 GeV	ϑ-HMS: 31.71°	I (uA): 40

Comment: KIN 2 Starts

RUN: 17175	P-SHMS: -8.0 GeV	ϑ-SHMS: 10.77°	COIN Prescale: 11, -1, -1, 0, -1, 0
Target: LH2	P-HMS: +3.76 GeV	ϑ-HMS: 31.71°	I (uA): 65

Comment: KI22 ENDS

RUN: 17176	P-SHMS: -8.000	ϑ-SHMS: 10.77° ~~12.225~~	COIN Prescale: 11, -1, -1, 0, -1, 0
Target: LH2	P-HMS: ~~34.335~~	ϑ-HMS: ~~3.35~~	I (uA): 65

Comment: ~~34.335~~ 31.71° 3.76 GeV

KIN 3 Starts

Coincidence Hydrogen Elastic Data Taking Date: 10 / 1 / '22 Initials: AS

Trigger:_____

RUN: 17177	P-SHMS: -8.0 GeV	ϑ-SHMS: 16.54°	COIN Prescale: 8,-1,-1,0,-1,0
Target: LH_2	P-HMS: +4.17GeV	ϑ-HMS: 29.37°	I (uA): 65

Comment: ~~18070~~ - Events H
18301

RUN: 17178	P-SHMS: -8.0 GeV	ϑ-SHMS: 16.54°	COIN Prescale: 7,-1,-1,0,-1,0
Target: Dummy	P-HMS: +4.17GeV	ϑ-HMS: 29.37°	I (uA): 40

Comment: ~~5890~~ - Events Al
6135

RUN: 17179	P-SHMS: -8.0 GeV	ϑ-SHMS: 15.09	COIN Prescale: 7,-1,-1,0,-1,0
Target: Dummy	P-HMS: 5.77	ϑ-HMS: 31.69	I (uA): 40

Comment: ~~7618~~ - Events Kin 2
7675

RUN: 17180	P-SHMS:	ϑ-SHMS:	COIN Prescale:
Target:	P-HMS:	ϑ-HMS:	I (uA):

Comment: Junk

Coincidence Hydrogen Elastic Data Taking Date: 10/2/22 Initials: H.V.

Trigger:_____

RUN: 17181	P-SHMS: -8.0 GeV	ϑ-SHMS: 15.09	COIN Prescale: 9,-1,-1,0,-1,0
Target: LH_2	P-HMS: 3.77	ϑ-HMS: 31.63	I (uA): ~~9,-1,-1,0,-1,0~~ 65

Comment: ~~21018~~ Events Kin. 2
21264

RUN: 17182	P-SHMS: -8.0	ϑ-SHMS: 13.67	COIN Prescale: 9,-1,-1,0,-1,0
Target: LH_2	P-HMS: 3.35	ϑ-HMS: 34.32	I (uA): 65

Comment: ~~29867~~ Events Kin 3
29565

RUN: 17183	P-SHMS: -8.0	ϑ-SHMS: 13.67	COIN Prescale: 9,-1,-1,0,-1,0
Target: Dummy	P-HMS: 3.35	ϑ-HMS: 34.32	I (uA): 40

Comment: ~~11629~~ Events Kin 3
11355

RUN: 17184	P-SHMS: -8.0	ϑ-SHMS: 12.24	COIN Prescale: 9,-1,-1,0,-1,0
Target: Dummy	P-HMS: 2.94	ϑ-HMS: 37.34	I (uA): 40

Comment: Junk long time NO Beam Kin 4

Coincidence Hydrogen Elastic Data Taking Date: 10 / 12 / 22 Initials: H.V.

Trigger:_____

RUN: 17185	P-SHMS: -8.0	ϑ-SHMS: 12.24	COIN Prescale: 9,-1,-1,0,-1,0
Target: Dummy	P-HMS: 2.94	ϑ-HMS: 37.34	I (uA): 40

Comment: ~~17020~~ Events Kin 4
16608

RUN: 17186	P-SHMS: -8.0	ϑ-SHMS: 12.24	COIN Prescale: 9,-1,-1,0,-1,0
Target: LH_2	P-HMS: 2.94	ϑ-HMS: 37.34	I (uA): 65

Comment: ~~55688~~ events Kin 4
77631

RUN: 17187	P-SHMS: -8.0	ϑ-SHMS: 10.78	COIN Prescale: 9,-1,-1,0,-1,0
Target: LH_2	P-HMS: 2.51	ϑ-HMS: 40.93	I (uA): 65

Comment: 155912 events Kin 5

RUN: 17188	P-SHMS: -8.0	ϑ-SHMS: 10.78	COIN Prescale: 9,-1,-1,0,-1,0
Target: Dummy	P-HMS: 2.51	ϑ-HMS: 40.93	I (uA): 40

Comment: ~~155912~~ 26592 Kin 5

Coincidence Hydrogen Elastic Data Taking Date: 10/2/22 Initials: H.V.

Trigger:_____

RUN: 17189	P-SHMS: -8.0	ϑ-SHMS: 9.25	COIN Prescale: 9,-1,-1,0,-1,0
Target: Dummy	P-HMS: 2.08	ϑ-HMS: 45.32	I (uA): 40

Comment: 48058 events Kin 6

RUN: 17190	P-SHMS: -8.0	ϑ-SHMS: 9.25	COIN Prescale: 9,-1,-1,0,-1,0
Target: LH_2	P-HMS: 2.08	ϑ-HMS: 45.32	I (uA): 65

Comment: 423369 Kin. 6

↓ Coincidence H_2 Elastic Data

RUN: 17191	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 9,-1,-1,0,-1,0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: Junk (Coda problem, kill and start CODA)

RUN: 17192	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: ~~876~~ events Kin 1

10/9

Coincidence Hydrogen Elastic Data Taking Date: 10/2/22 Initials: H. V.

Trigger:_____

RUN: 17193	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: ~~876~~ events ~~775~~ Kin 1

931 Σ1950

RUN: 17194	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: ~~772~~ events Kin 1

924 Σ2874

RUN: 17195	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: ~~737~~ events Kin 1

863 Σ3737

RUN: 17196	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH_2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: 1027 events Kin 1

Σ4764

Coincidence Hydrogen Elastic Data Taking Date: 10/02/22 Initials: DA

Trigger:_____

RUN: 17197	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: 894 events Σ 5658 kin1.

RUN: 17198	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: 792 events Σ 6450 kin1.

RUN: 17199	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 6,-1,-1,0,-1,0
Target: LH2	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 65

Comment: 507 Σ 6957 kin1

RUN: 17200	P-SHMS: -4.935	ϑ-SHMS: 26.0	COIN Prescale: 2,-1,-1,0,-1,0
Target: Dummy	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 40 uA

Comment: low current ~8uA kin1.
very short run ~5min

Coincidence Hydrogen Elastic Data Taking Date: 10 / 02 / 22 Initials: DA

Trigger:_____

RUN: 17201	P-SHMS: −4.935	ϑ-SHMS: 26.0	COIN Prescale: 5, −1, −1, 0, −1, 0
Target: Dummy	P-HMS: 6.476	ϑ-HMS: 19.52	I (uA): 40uA

Comment: 17 events Kin1

RUN: 17202	P-SHMS: −6.286	ϑ-SHMS: 20.0	COIN Prescale: 5, −1, −1, 0, −1, 0
Target: Dummy	P-HMS: 5.107	ϑ-HMS: 24.89	I (uA): 40uA

Comment: 48 events Kin2

RUN: 17203	P-SHMS: −6.286	ϑ-SHMS: 20.0	COIN Prescale: 8, −1, −1, 0, −1, 0
Target: LH2	P-HMS: 5.107	ϑ-HMS: 24.89	I (uA): 65

Comment: 4561 events Kin2

RUN: 17204	P-SHMS: −6.286	ϑ-SHMS: 20.0	COIN Prescale: 8, −1, −1, 0, −1, 0
Target: LH2	P-HMS: 5.107	ϑ-HMS: 24.89	I (uA): 65

Kin2

Comment: 4591 events Σ 9152

Coincidence Hydrogen Elastic Data Taking Date: 10/02/22 Initials: DA

Trigger:_____

RUN: 17205	P-SHMS: -7.626 ~~3.738~~	ϑ-SHMS: 15.0	COIN Prescale: 9, -1, -1, 0, -1, 0
Target: LH2	P-HMS: 3.738	ϑ-HMS: 31.86	I (uA): 65

Comment: 15137 - No. of coincidence elastics Kin3

RUN: 17206	P-SHMS: -7.626	ϑ-SHMS: 15.0	COIN Prescale: 9, -1, -1, 0, -1, 0
Target: Dummy	P-HMS: 3.738	ϑ-HMS: 31.86°	I (uA): 40

Comment: Ended very soon because pre-scale factors were not correct

RUN: 17207	P-SHMS: -7.626 GeV	ϑ-SHMS: 15.0°	COIN Prescale: 7, -1, -1, 0, -1, 0
Target: Dummy	P-HMS: +3.738 GeV	ϑ-HMS: 31.86°	I (uA): 40

Comment: KIN 3 ENDS

RUN: 17208	P-SHMS: -9.005 GeV	ϑ-SHMS: 10.00°	COIN Prescale:
Target: Dummy	P-HMS: +2.289 GeV	ϑ-HMS: 43.09°	I (uA): 40

Comment:

KIN 4 BEGINS

Q2 wasn't fully cycled because target current wasn't reached

(Junk run due to incorrect pre-scale factors)

Coincidence Hydrogen Elastic Data Taking Date: 10 / 02 / 22 Initials: AS

Trigger:_____

RUN: 17209	P-SHMS: -9.005 GeV	ϑ-SHMS: 10.00°	COIN Prescale: 10, -1, -1, 0, -1, 0
Target: Dummy	P-HMS: +2.289 GeV	ϑ-HMS: 43.09°	I (uA): 40

Comment: Q2 wasn't fully cycled because target current wasn't reached

Coincidence Elastics #3002

RUN: 17210	P-SHMS: -9.005 GeV	ϑ-SHMS: 10.00°	COIN Prescale: 11, -1, -1, 0, -1, 0
Target: LH_2	P-HMS: +2.289 GeV	ϑ-HMS: 43.09°	I (uA): 70

Comment: KIN 4 ENDS #207874 (Coin. Elastics)

RUN: 17211	P-SHMS: -9.2 GeV	ϑ-SHMS: 9.24°	COIN Prescale:
Target: LH_2	P-HMS: +2.076 GeV	ϑ-HMS: 45.36°	I (uA):

Comment: KIN 5 BEGINS [Terminated after pre-run] [Junk run]

RUN: 17212	P-SHMS: -9.2 GeV	ϑ-SHMS: 9.24°	COIN Prescale: 12, -1, -1, 0, -1, 0
Target: LH_2	P-HMS: +2.076 GeV	ϑ-HMS: 45.36°	I (uA): 70

Comment: #166149 (Coin. Elastics)

Coincidence Hydrogen Elastic Data Taking Date: 10/2/22 Initials: AS

Trigger:_____

RUN: 17213	P-SHMS: -9.2 GeV	ϑ-SHMS: 9.24°	COIN Prescale: 11, -1, -1, 0, -1, 0
Target: Dummy	P-HMS: +2.076 GeV	ϑ-HMS: 45.36°	I (uA): 40

Comment: KIN 5 ENDS #6075 (Coin. Elastics)

RUN: 17214	P-SHMS: -9.502 GeV	ϑ-SHMS: 7.995°	COIN Prescale: 11, -1, -1, 0, -1, 0
Target: Dummy	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 40

Comment: KIN 6 BEGINS #10767 (Coin. Elastics)

RUN: 17215	P-SHMS: -9.502 GeV	ϑ-SHMS: 7.995°	COIN Prescale: 12, -1, -1, 2, -1, 0
Target: 48 Ca	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 40

Comment: #24562 (Coin. Elastics)

RUN: 17216	P-SHMS: -9.502 GeV	ϑ-SHMS: 7.995°	COIN Prescale: 12, -1, -1, 1, -1, 0
Target: LH_2	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 70

Comment:

KIN 6 ENDS #623111

Coincidence Hydrogen Elastic Data Taking Date: 10 / 2 / 22 Initials: AS

Trigger:_____

RUN: 17217	P-SHMS: -9.502 GeV	ϑ-SHMS: 7.995°	COIN Prescale: -1, 6, -1, 1, -1, 0
Target: LH_2	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 70

Comment: Coincidence Elastic Data w/ SHMS Sieve Slits BEGINS #35432

RUN: 17218	P-SHMS: -9.502 GeV	ϑ-SHMS: 7.995°	COIN Prescale: -1, 6, -1, 1, -1, 0
Target: Be	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 70

Comment: # 3890 events

RUN: 17219	P-SHMS: -9.206 GeV	ϑ-SHMS:	COIN Prescale:
Target: Be	P-HMS:	ϑ-HMS:	I (uA):

Comment: CODA failed. Junk Run

RUN: 17220	P-SHMS: -9.206 GeV	ϑ-SHMS: 7.995°	COIN Prescale: -1, 6, -1, 1, -1, 0
Target: Be	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 70

Comment: SETTING 2 3264 events

Coincidence Hydrogen Elastic Data Taking Date: 10/2/22 Initials: AS

Trigger:_____

RUN: 17221	P-SHMS: -9.206 GeV	ϑ-SHMS: 7.995°	COIN Prescale: -1, 6, -1, 1, -1, 0
Target: LH_2	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 65

Comment: CENTERED SIEVE 34010 events

RUN: 17222	P-SHMS: -9.206 GeV	ϑ-SHMS: 7.995°	COIN Prescale: -1, 12, -1, 1, -1, 0
Target: LH_2	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 65

Comment: COLLIMATOR 462968 events

RUN: 17223	P-SHMS: -9.206 GeV	ϑ-SHMS: 7.995°	COIN Prescale: -1, 10, -1, 1, -1, 0
Target: dummy	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 40

Comment: COLLIMATOR 7509 events

RUN: 17224	P-SHMS: -8.55 GeV	ϑ-SHMS: 7.995°	COIN Prescale: -1, 10, -1, 1, -1, 0
Target: dummy	P-HMS: +1.739 GeV	ϑ-HMS: 49.49°	I (uA): 40

Comment: SETTING 3 BEGINS 14088 events

COLLIMATOR

Coincidence Hydrogen Elastic Data Taking Date: 10/3/22 Initials: H.V.

Trigger:_____

RUN: 17225	P-SHMS: -8.55	ϑ-SHMS: 7.995	COIN Prescale: -1,10,-1,1,-1,0
Target: LH_2	P-HMS: 1.739	ϑ-HMS: 49.49	I (uA): 65

Comment: Colimator, Seting 3, Junk

RUN: 17226	P-SHMS: -8.55	ϑ-SHMS: 7.995	COIN Prescale: -1,13,-1,1,-1,0
Target: LH_2	P-HMS: 1.739	ϑ-HMS: 49.49	I (uA): 65

Comment: Setting 3, colimator 453184 events

Run 17227 Coda crash

RUN: 17228	P-SHMS: -8.55	ϑ-SHMS: 7.995	COIN Prescale: -1,13,-1,1,-1,0
Target: LH_2	P-HMS: 1.739	ϑ-HMS: 49.49	I (uA): 65

Comment: Setting 3, Centeral Sieve 39401 events

RUN: 17229	P-SHMS: -8.55	ϑ-SHMS: 7.995	COIN Prescale: -1,13,-1,1,-1,0
Target: Beryllium	P-HMS: 1.739	ϑ-HMS: 49.49	I (uA): 65

Comment: Setting 3, Centeral Sieve 3718 events

Coincidence Hydrogen Elastic Data Taking Date: 10/3/22 Initials: H.V.

Trigger:_____

RUN: 17230	P-SHMS: -8.55	ϑ-SHMS: 7.995	COIN Prescale: -1, 13, -1, 1, -1, 0
Target: Beryllium	P-HMS: 1.739	ϑ-HMS: 49.49	I (uA): 65

Comment: Setting 3, Centeral Sieve, fadcmode 1527 coeats

~~**RUN:** 17232~~	~~P-SHMS: -4.0~~	~~ϑ-SHMS: 20.0~~	~~COIN Prescale:~~
~~Target: LH2~~	~~P-HMS: -4.0~~	~~ϑ-HMS: 20.0~~	~~I (uA):~~

Comment:

RUN:	P-SHMS:	ϑ-SHMS:	COIN Prescale:
Target:	P-HMS:	ϑ-HMS:	I (uA):

Comment:

RUN:	P-SHMS:	ϑ-SHMS:	COIN Prescale:
Target:	P-HMS:	ϑ-HMS:	I (uA):

Comment:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 3 / 22 Initials:____

Configuration Name: Calib data & PID Thresholds

Purpose:
- ☐ Production
- ☑ Test
- ☐ Optics
- ☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2 mm

E_{beam}: 10.544 GeV

SHMS
p: +/- -4.0 GeV/c θ(TV): 20.0
From GUI Nearest 0.005

Beam position and angle on target:

3H07A X	Y
_____ mm	_____ mm
Nomin:	Nomin:

3H07C X	Y
_____ mm	_____ mm
Nomin:	Nomin:

Collimator ☑
Sieve ☐

Run #	Start: Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

Run #	Start: Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

Run #	Start: Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

E12-10-008/E12-06-105 Date: 10 / 3 / 22 Initials: H.V.

SHMS Runsheet

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17232	Start: 3:56 Stop: 4:16	LH_2	0.9667	100	1.2M	
Beam Current	PS1: -1 PS4: -1 PS2: 1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		3580	92.8	1.8	1.2M	☒

Comments: SHMS Defocused 20% Q2 Data is good

Online GUI Have problems, Look logentry 4050272

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17233		LH_2		100		
Beam Current	PS1: -1 PS4: -1 PS2: 1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: SHMS Nominal Q2 Junk

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17234						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: no Cer mode b - debug SHMS NGC

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17235						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: Mode 10 a' debug NGC

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17236						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: Back to Coin mode to check NGC

E12-10-008/E12-06-105 Date: ___/___/___ Initials:____

SHMS Runsheet

Run #	Start:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17237	Stop:					
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: cosmic run.

Run #	Start:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17238	Stop:					
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: Cosmic run; Edtm set 4000.

Run #	Start: 11:45pm	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17239	Stop: midnight	1.LH2	0.9984	10 Hz		
Beam Current 60 μA	PS1: 1 PS4: 1 PS2: 1 PS5: 1 PS3: 1 PS6: 1	CODA Events (k)	Comp. Live time(%) 99.987	DAQ Rate (k) 3kHz	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments: CODA crashed @ end of run.

Run #	Start:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17240/1	Stop:					
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: Junk

Run #	Start: 12:15	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17242	Stop:	LH2	97.01	75	630114?	
Beam Current 60 μA	PS1: 3 PS4: 1 PS2: 1 PS5: 1 PS3: 1 PS6: 1	CODA Events (k) 2472	Comp. Live time(%) 97.07	DAQ Rate (k) 3.5kHz	Extrapolated # of electrons (this setting/targ) 266574	50k Replay Done ☒

Comments: nominal Q2 Setting 1, 266574 events

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 4 / 22 Initials: H.V

Configuration Name: Calibration Data and PID Threshold Checks Setting 2

Purpose:
- ☐ Production
- ☒ Test
- ☐ Optics
- ☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2×2 mm

E_{beam}: 10.5 GeV

SHMS
p: +/- −3.5 (From GUI) θ(TV): −25.0 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
−0.099 mm	−0.30 mm
Nomin:	Nomin:

3H07C X	3H07C Y
−0.70 mm	−0.50 mm
Nomin:	Nomin:

Collimator ☒
Sieve ☐

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17243	Start: 1:10	LH_2	95.46	0.015		
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: −1 PS4: −1 PS2: 0 PS5: −1 PS3: −1 PS6: −1	~~1989~~	99.88	1.8	269770	☒

Comments: +20% defocused Q2 Setting 2 269770 events

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17244	Start: 2:05 Stop: 2:24	LH_2	97.65	0.015	650044	
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: −1 PS4: −1 PS2: 0 PS5: −1 PS3: −1 PS6: −1	1989	94.47	2.1		☒

Comments: nominal Q2 Setting 2 ELREAL, 358001 events

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17245	Start: 2:27 Stop: 2:51	LH_2	95.33	0.030	816339	
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 1 PS4: −1 PS2: −1 PS5: −1 PS3: −1 PS6: −1	3884	99.71	3.36		☒

Comments: nominal Q2 Setting 2 P3/4

E12-10-008/E12-06-105
SHMS Runsheet

Date: ___/___/___ Initials:____

Configuration Name: Calibration Data and PID Threshold Checks Setting 3

Purpose:
- ☐ Production
- ☒ Test
- ☐ Optics
- ☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2×2

E_{beam}: 10.5 GeV

SHMS
p: +/- -2.5 (From GUI) θ(TV): -35. (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
-0.095 mm	-0.308 mm
Nomin:	Nomin:

3H07C X	3H07C Y
0.691 mm	0.505 mm
Nomin:	Nomin:

Collimator ☒
Sieve ☐

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17246	3:27 / 3:45	LH_2	98.6	0.015	203503	
Beam Current	**PS1/PS4/PS2/PS5/PS3/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1:-1 PS4:-1 PS2:0 PS5:-1 PS3:-1 PS6:-1	651.4	99.87	0.675		☒

Comments: Defocused ~~Q2~~ Q1 +20%, Sett. 3, Not part of runplan #43018

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17247	3:57 / 4:20	LH_2	96.64	0.015		
Beam Current	**PS1/PS4/PS2/PS5/PS3/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1:-1 PS4:-1 PS2:0 PS5:-1 PS3:-1 PS6:-1	448	99.85	0.416		☒

Comments: Defocused Q2 +20%, Sett. 3, EL-REAL #27144

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17248	4:26 / 4:47	LH_2	98.44	0.015		
Beam Current	**PS1/PS4/PS2/PS5/PS3/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1:-1 PS4:-1 PS2:0 PS5:-1 PS3:-1 PS6:-1	670	99.86	0.665		☒

Comments: Nominal Q2, Sett. 3, EL-REAL #41248

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 4 / 22 Initials: H.V.

Run #	Start: 4:52 Stop: 5:14	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17249		LH2	95.71	0.015		
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2907	99.96	2.2		☒

Comments: Nominal Q2, Sett. 3, P 3/4 #44591

Run #	Start: Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 4 / 22 Initials: H.V.

Configuration Name: Calibration Data and PID Threshold Checks, Setting 5

Purpose:
- ☐ Production
- ☒ Test
- ☐ Optics
- ☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2

E_{beam}: 10.5 GeV

SHMS
p: +/- -1.24 (From GUI) θ(TV): 35 (Nearest 0.005)

Beam position and angle on target:

3H07A X	Y
-0.093 mm	-0.301 mm
Nomin:	Nomin:

3H07C X	Y
-0.694 mm	-0.485 mm
Nomin:	Nomin:

Collimator ☒
Sieve ☐

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17252	5:37 / 6:02	LH_2	99.59	0.495		
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 6 PS4: -1, PS2: -1 PS5: -1, PS3: -1 PS6: -1	2650	90.227	2.873		☒

Comments: Nominal Q2, Sett. 4, P 3/4, e⁻ count: #9736

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17253	6:16 / 6:29	LH_2	99.55	0.495		
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 6 PS4: -1, PS2: -1 PS5: -1, PS3: -1 PS6: -1	1843	97.040	2.873		☒

Comments: Nominal Q2, Sett. 4, P 3/4,

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17254	6:53 /	LH_2	99.53	0.495		
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 6 PS4: -1, PS2: -1 PS5: -1, PS3: -1 PS6: -1		90.371	2.873		☒

Comments: Nominal Q2, Sett. 4, P3/4, (e⁻ count): #7375

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 4 / 22 Initials: AS

Configuration Name: SAMS HODOSCOPE PADDLE TEST (SETTING 1)

Purpose:
- ☐ Production
- ☑ Test
- ☐ Optics
- ☐ Other: _____

Raster: ☑ On ☐ Off
Size: 2x2 mm

E_{beam}: 10.54 GeV

SHMS
p: +/- -9.24 GeV (From GUI) θ(TV): 8° (Nearest 0.005)

Collimator ☑
Sieve ☐

Beam position and angle on target:

3H07A X	3H07A Y
-0.09 mm	-0.29 mm
Nomin:	Nomin:

3H07C X	3H07C Y
-0.70 mm	-0.50 mm
Nomin:	Nomin:

Run #	Start / Stop	Target	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17255	Start: 6:53 Stop:	LD_2	96.25	0.255		☑ Data ok ☑ Junk
Beam Current	PS1/PS2/PS3/PS4/PS5/PS6	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS2: 5 PS3: -1 PS4: -1 PS5: -1 PS6: -1		5.62%			☑

Comments: Incorrect lu-scale factors

Run #	Start / Stop	Target	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17256	Start: 9:28 Stop:	12C	98.94	1.9		☐ Data ok ☑ Junk
Beam Current	PS1/PS2/PS3/PS4/PS5/PS6	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS2: 85 PS3: -1 PS4: -1 PS5: -1 PS6: -1			4		☑

Comments: Incorrect lu-scale factors

Run #	Start / Stop	Target	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17257	Start: 9:41 Stop: 9:53	12C	98.96	1.935		☑ Data ok ☐ Junk
Beam Current	PS1/PS2/PS3/PS4/PS5/PS6	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS2: 8 PS3: -1 PS4: -1 PS5: -1 PS6: -1		90.53	2.4		☑

Comments:

#524916

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 4 / 22 Initials: AS

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17258						
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: HB Intulock happened as run was starting

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17259	Start: 10:29 Stop: 10:48	12C	99.32	1.9		
Beam Current 60 μA	PS1: 8 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 1126	Comp. Live time(%) 99.98	DAQ Rate (k) 2.8	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments:

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17262						
Beam Current μA	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: Mode 10 10/9/22 all these runs following were Mode 10 until specified otherwise

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17263	Start: 03:35	Al Hole		(loops)		
Beam Current 10 μA	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: Killed Coda 17263-67 JUNK (though there is a 50k for 17267 that's ok) ran w/ changing targets

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17268	Start: 04:32:15 Stop: 04:45	LD2		10 (loops)		
Beam Current 30 μA	PS1: -1 PS4: -1 PS2: 8 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 1,522	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments: Setting 1 Hodo paddle Test

EDTM not adjusted for prescale

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 9 / 22 Initials: JM

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17269	Start: 04:56:20 Stop: 05:07:04	C12		0.975		
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA				1.922		☑

Comments: Setting 1

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk ← still replaying
17270	Start: 05:08:28 Stop: 05:18:22	C12		0.975		
Beam Current	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1415		2.837		☑

Comments: Setting 1

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17271	Start: 05:24:14 Stop: 05:34:30	C12		0.495		
Beam Current	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1,503		2.673		☑

Comments: Setting 2 R - Only

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17272	Start: 05:35 Stop: 05:46	C12		0.495		
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		809		1.550		☑

Comments: Setting 2 R-only

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17273	Start: 05:54 Stop:	LD2				
Beam Current	PS1: ~~-1~~ 7 PS4: -1 PS2: PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA						☐

Comments: Setting 2 forgot to change EDTM

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 09 / 22 Initials: fm

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17274	Start: 05:56 Stop: 06:06	LD2		0.975		
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1360		2.557		☑

Comments: Setting 2 R only

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17275	Start: 06:09 Stop: 06:22	LD2		0.975		
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA				2.400		☑

Comments: Setting 3 R only

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17276	Start: 06:30 Stop: 06:35	C12		0.255		
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA				2.900		☐

Comments: Setting 3 only R were off in hodo...

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17277	Start: 06:41 Stop: 06:51	C12		0.255		
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA				2.900		☑

Comments: Setting 2 (L+R)

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17278	Start: 06:54 Stop:	C12	98.83%	0.495	429101	
Beam Current	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA		1390	86.8%	2.550		☑

Comments: 17278 junk Setting 2 (L+R) Coda crash killed coda

E12-10-008/E12-06-105 Date: 10 / 09 / 22 Initials: fm / SAW

SHMS Runsheet

All previous runs this day were DAQ mode 10...

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17282	Start: 07:21:10 Stop: 07:21:10	LD2	97.5			
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
30 μA			97.5			

Comments: Setting 2 > Cer mode 10 still on

setting 3.

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17284	Start: 07:39 Stop:	LD2				
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
30 μA						

Comments: aerogel off for half the run

Cer mode 10 on ↓ 1st half okay

~~17286~~ > Setting 3

(It was running w/ target change..)

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17287	Start: ~~07:49~~ 08:00 Stop: 8:10	C12		0.255	~~20920~~ / 50K	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA		1545				

Comments: Setting 3 3/4

15862 ~50K

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17288	Start: 8:13 Stop: 8:23	C12	97.97	0.495	~~26920~~	
Beam Current	PS1: 6 PS4: PS2: -1 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA		1448	89.5	2.5		

Comments: setting 4

(50K)

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17289	Start: 8:26 Stop: 8:53	C12	98.9	.495	10960	
Beam Current	PS1: 6 PS4: PS2: -1 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA		~1300	97.1	2.1		

Comments:

#electrons not extrapolated

E12-10-008/E12-06-105 Date: 10 / 9 / 22 Initials: SKW

SHMS Runsheet

setting 1

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17290	Start: 8:55 Stop: 9:09	C12	99.1	.255	20487	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA			91.2	2.1		

Comments:

Setting 4 wrong prescale

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17291	Start: 9:17 Stop:	LD2	97.25	.975	18524	
Beam Current	PS1: ~~-1~~ PS4: PS2: ~~75~~ PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
30 μA			42.4	~~1.8~~		

Comments:

~~setting~~ ~~Setting 3 (not sure this was done)~~ setting 4

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17292	Start: 9:26 Stop: 9:39	LD2	97.5	.975	50K 5245	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA		1108	82.5	1.8		

Comments:

setting 5

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17293	Start: 9:43 Stop: 9:55	LD2	94.4	.975	18193	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA		1090	93.7	1.76		

Comments:

setting 3 (not sure this was done)

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17294	Start: 9:56 Stop: 10:08	LD2	92.9	.975	23652	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA		999	89.7	2.4		

Comments:

electrons is from 50K - not extrapolated

E12-10-008/E12-06-105 Date: 10/09/22 Initials: SAW

SHMS Runsheet

setting 6

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	~~Extrapolated #~~ of electrons (this run)	☑ Data ok ☐ Junk
17295	Start: 10:10	LD2	96.7	.495	13958 (of 50k)	
Beam Current	PS1: -1 PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS2: 6 PS5: PS3: PS6:	1751	~~96.7~~ 85.2	3.0		☑

Comments:

setting 6

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17296	Start: 10:30 Stop: 10:47	C12	99.2	.255	15013	
Beam Current	PS1: -1 PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS2: 5 PS5: PS3: PS6:	1435	94.1	1.7		☑

Comments:

setting 6

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17297	Start: 10:49 Stop: 11:06	C12	98.6	.495	7540	
Beam Current	PS1: 6 PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS2: -1 PS5: PS3: PS6:	896	99.9	1.8		☑

Comments:

setting 5

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17298	Start: 11:17 Stop: 11:29	C12	97.5	.495	11220	
Beam Current	PS1: 6 PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS2: -1 PS5: PS3: PS6:	1384	92.8	2.0		☑

Comments:

setting 5

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17299	Start: 11:31	C12	97.2	.255	20727	
Beam Current	PS1: -1 PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS2: 5 PS5: PS3: PS6:	1203	92.9	2		☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/9/22 Initials: SAW

Configuration Name: SHMS Hodoscope Paddle study

Purpose:
- ☐ Production
- ☐ Test
- ☐ Optics
- ☒ Other:

Raster: ☑ On ☐ Off
Size: 2x2

E_{beam}: 10.54 GeV

Beam position and angle on target:

3H07A X	3H07A Y
-0.1 mm	-0.3 mm
Nominal:	Nominal:

3H07C X	3H07C Y
-0.7 mm	-0.5 mm
Nominal:	Nominal:

SHMS

p: +/- -9.2 (From GUI) θ(TV): 8.5 (Nearest 0.005)

Collimator ☑
Sieve ☐

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17300	Start: 11:48 Stop:	C12	99.6	.975	11751 (50K)	☑ Data ok ☐ Junk
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: 7 PS2: -1 PS3: PS4: PS5: PS6:	910	99.9	1.9		☑

Comments: All HV ON 3/4

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17301	Start: 12:01 Stop: 12:10	C12	99.6	.495	18289	☑ Data ok ☐ Junk
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: 8-1 PS2: -6 PS3: PS4: PS5: PS6:	1240	90.5	2.4		☑

Comments: All HV ON ELREAL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17302	Start: 12:13 Stop: 12:24	C12	99.2	.255	26032	☑ Data ok ☐ Junk
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS2: 5 PS3: PS4: PS5: PS6:	1103	91.3	2.1		☑

Comments: 1-5 1-7 ELREAL

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/9/22 Initials: SAW

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	~~Extrapolated #~~ of electrons (this run)	☑ Data ok ☐ Junk
17303	12:25 / 12:37	C12	99.1	.495	14378	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	6 / -1	~~1103~~	93.4	2.0		☑

Comments: 1-5 1-7 3/4

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	~~Extrapolated #~~ of electrons (this run)	☑ Data ok ☐ Junk
17304	12:42 / 12:53	C12	99.2	.255	9928	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	5 / -1	1526	99.9	3.0		☑

Comments: ~~1-6 1-7~~ 1-6 1-8 3/4

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	~~Extrapolated~~ # of electrons (this run)	☑ Data ok ☐ Junk
17305	12:56 / 13:06	C12	98.9	.135	19759	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	-1 / 4	1589	86.7	2.7		☑

Comments: 1-6 1-8 ELREAL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17306	13:09 / 13:20	C12	98.9	.135	10947	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	-1 / 4	750	92.0	2.0		☑

Comments: 1-7 1-8 ELREAL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17307	13:22 / 13:34	C12	98.7	.255	4518	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	5 / -1	1261	100.5	2.6		☑

Comments: 1-7 1-8 3/4

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/9/22 Initials: SAW

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	~~Extrapolated #~~ of electrons (this run)	☑ Data ok ☐ Junk
17308	14:09 / 14:19	LD2	97.0	.255	10664	
Beam Current 30 μA	PS1: -1 PS2: 6 PS3: PS4: PS5: PS6:	CODA Events (k) 1198	Comp. Live time(%) 92.16	DAQ Rate 1.85	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments: 1-7 ~~1-7~~ 1-8 ELREAL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17309	14:21 / 14:32	LD2	96.8	.255	17949	
Beam Current 30 μA	PS1: -1 PS2: 6 PS3: PS4: PS5: PS6:	CODA Events (k) 1204	Comp. Live time(%) 89.2	DAQ Rate 2.4	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments: 1-6 1-8 ELREAL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17310	14:35 / 14:45	LD2	98.2	.975	23670	
Beam Current 30 μA	PS1: -1 PS2: 7 PS3: PS4: PS5: PS6:	CODA Events (k) 957	Comp. Live time(%) 94.4	DAQ Rate 1.7	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments: 1-5 1-7 ELREAL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17311	14:47 / 14:57	LD2	99.2	.975	17989	
Beam Current 30 μA	PS1: -1 PS2: 7 PS3: PS4: PS5: PS6:	CODA Events (k) 671	Comp. Live time(%) 99.7	DAQ Rate 3.5	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments: ALL HV ON ELREAL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17312	14:52 / 15:05	LD2	98.9	1.935	17738	
Beam Current 30 μA	PS1: -1 PS2: 8 PS3: PS4: PS5: PS6:	CODA Events (k) 1443	Comp. Live time(%) 94.1	DAQ Rate 1.85	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/9/22 Initials: SAW

Configuration Name: Q^2 dependence @ 26°

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.544 GeV

Beam position and angle on target:

3H07A X	3H07A Y
-0.1 mm	-0.3 mm
Nominal:	Nominal:

3H07C X	3H07C Y
-0.7 mm	-0.5 mm
Nominal:	Nominal:

SHMS

p: +/- -1.95 (From GUI) θ(TV): -26.0 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17313	Start: 15:42 Stop: 15:50	LD2	1.0	1.625	459 (50k)	[x] Data ok [ ] Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: 7 PS2: -1	871	95.2	2.0		[x]

Comments: PS1 = 7 PS2 = -1

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17314	Start: 15:58 Stop:	LH2	1.0	.825	550	[x] Data ok [ ] Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: 6 PS2: -1		102.8	1.6		[x]

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17315	Start: 16:21 Stop:	Al	1.0	3.2	552	[x] Data ok [ ] Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: 4 PS2: -1	1041	87.81			[ ]

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 9 / 22 Initials: AK

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17316	16:33 Stop:	Ca40				
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: No beam, 5th pass tripped.

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17317	17:51 Stop:	Ca40	0.99	.825	427	
Beam Current μA	PS1: 6 PS4: PS2: -1 PS5: PS3: PS6:	CODA Events (k) 124.3	Comp. Live time(%) 96.1	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: Beam off.

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17318	18:27 Stop: 18:34	Ca40	0.99	0.425	427	
Beam Current 40 μA	PS1: 5 PS4: PS2: -1 PS5: PS3: PS6:	CODA Events (k) ~~124.3~~ 1495.2	Comp. Live time(%) 0.99	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17319	18:41 Stop:	Ca40	0.99	0.049		
Beam Current 40 μA	PS1: -1 PS4: PS2: 1 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%) 99.4	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: wrong Edtm rate.

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17320	18:43 Stop: 18:53	Ca40	0.99	0.49.	6952	
Beam Current 40 μA	PS1: -1 PS4: PS2: 1 PS5: PS3: PS6:	CODA Events (k) 988	Comp. Live time(%) 99.4	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 9 / 22 Initials: AK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17321	19:03 / 19:23	Carbon	0.99	0.025		
Beam Current	PS1: -1 PS4: / PS2: 0 PS5: / PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		261796	98.5			☑

Comments: Beam off min than 20 mins.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17322	1:41 / 1:57	Carbon	99.71	~~1940~~ 0.025		
Beam Current	PS1: -1 PS4: -1 / PS2: 0 PS5: -1 / PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1480 K	99.95	1940		☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17323	2:10 / 2:18	Dummy	99.92	25	102K	
Beam Current	PS1: -1 PS4: -1 / PS2: 0 PS5: -1 / PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		643213	99.95	2K	102K	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17324	2:27 /	LD2	99.91	92?	322K	
Beam Current	PS1: -1 PS4: -1 / PS2: 0 PS5: -1 / PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2416.6	96.21	2492	322K	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17325	3:02 /	LH2	99.72	~~3050~~ 0.024	248K	
Beam Current	PS1: -1 PS4: -1 / PS2: 0 PS5: -1 / PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1636.5	91.91	3050	248K	☒

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 10 / 22 Initials: H.V.

Configuration Name: Q^2 Dependence Studies at 26° - ~~[illegible]~~ Setting 1

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

Beam position and angle on target:

3H07A X	Y
-0.095 mm	-0.29 mm
Nominal:	Nominal:

3H07C X	Y
-0.69 mm	-0.50 mm
Nominal:	Nominal:

SHMS

p: +/- -5.42 (From GUI) θ(TV): 26.0 (Nearest 0.005)

- Collimator [x]
- Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / ~~Junk~~
17326	3:58 / 4:59	LH_2	0.8448	0.024	2920	[x] Data ok
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		200	99.99	59	2920	[x]

Comments: 2910 events (analysis) Σ 2910

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17327	4:59 / 5:59	LH_2	83.77	0.025	2603	[x] Data ok
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		181	99.99	60	5522	[x]

Comments: 2242 Σ 5152 } Full analysis

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	~~Data ok~~ / Junk
17328	6:04 / 6:13	LH_2				[x] Junk
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		24.00		40		[ ]

Comments: Short RUN! ~~Junk~~ Junk 276 events

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 10 / 22 Initials: H.V. / B.D.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17329	Start: 6:14 Stop: 7:14	LH_2	0.84	0.025	2082	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~~17329~~ <60 μA		175	100	55	7604	☒

Comments:

2263
Σ7415 } Full analysis

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17330	Start: 7:15:05 Stop: 8:17	LH_2	85.2	0.025	1809	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~50 μA		182	100	55	9413	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17331	Start: 08:25 Stop: 09:15	LD2	99.67	25 Hz	3300	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA		160K	100	96 Hz	3300	☑

Comments: Started with 50 μA → 55 μA → 60 μA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17332	Start: Stop: 13:16	LD2		25 Hz	1866	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA		192K		95 Hz	5166	☑

Comments: Funny SHMS hodo 2y ADC plot.
LHD like that for all setting 1 plots.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17334	Start: 13:22 Stop:	LD2	99.64	25 Hz	5836	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		270K	100.86	95 Hz	11002	☑

Comments:

→ understood; RF was plugged on to that particular hodo channel. All is good.

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 10 / 22 Initials: BD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17335	Start: 14:26 Stop: 14:36	LD2	99.87	25 Hz	408	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		30K	99.98	96	11410	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17336	Start: 14:55 Stop:	LD2	99.83	25 Hz	5196	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~50 μA		252K	99.99	96	12,006	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17337	Start: 16:06 Stop: 16:23	LD2	n/a			
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		3.6 M	n/a			☑

Comments: 3 out of 4 run, special run for Dave G.

50k e's: 969

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17338	Start: 16:24 Stop: 17:09	LD2	99.95	25 Hz	3954	
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~60 μA		204K	99.99	96	15960	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17334	Start: 17:09 Stop: 17:11	LD2	n/a			
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~60 μA		2684	n/a			☐

Comments: Short run realized had enough HMS stats

possibly wrong

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 10 / 22 Initials: EW

50K: 632

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17340	Start: 17:19 Stop: 18:21	Al Dummy	99.82%	25 Hz	1580	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		125k	100%	37 Hz	1580	

Comments:

100 50K: 816

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17341	Start: 18:21 Stop: 19:21	Al Dummy	~~88.55~~	25 Hz	2138	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		131k	99.99	36 Hz	3718	

Comments:

50K: 984

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17342	Start: 19:27 Stop: 20:29	Ca40	99.94	25 Hz	3897	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		198k	99.99	~60 Hz	3897	

Comments:

50k: 964

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17343	Start: 20:30 Stop: 21:37	Ca40	99.81	25 Hz	3490	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		181K	100.0	~60 Hz	7387	

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17344	Start: 21:37 Stop: 21:43	Ca40	n/a			
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1.5M	n/a	4150 Hz		

Comments: 3 out of 4 run, short run

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 10 / 22 Initials: EW

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17345	Start: 21:47 Stop: 21:53	Carbon	n/a			☑ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	601k		2075Hz		☑

Comments: 3 out of 4? Short run

50k: 983

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17346	Start: 21:55 Stop: 22:58	Carbon	99.99%	25Hz	3244	☑ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	165k	99.99%	~50Hz	3244	☑

Comments:

50k: 1079

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17347	Start: 22:59 Stop: 0:04	Carbon	100	25 Hz	2890	☒ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	156.9	99.98	~50Hz	6134	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17348	Start: 0:06 Stop: 0:09	Carbon				☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	~~15~~		55		☐

Comments: Stop Run (MCC) Junk

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17349	Start: 0:20 Stop: 0:39	Carbon	89.11	0.025k	1178	☒ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		53.3	99.99	50	7312	☒

Comments:

50k 1103 events

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 11 / 22 Initials: H.V.

Configuration Name: Q^2 dependence study, Setting 2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2×2

E_{beam}: 10.54 GeV

SHMS
p: +/- −4.767 (From GUI) θ(TV): 26 (Nearest 0.005)

Beam position and angle on target:

3H07A X	Y
−0.093 mm	−0.30 mm
Nomin:	Nomin:

3H07C X	Y
−0.70 mm	−0.50 mm
Nomin:	Nomin:

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17350	Start: 0:52 Stop: 1:51	Carbon	95.6	~~0.018~~ 0.025	31610	[x] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: −1 PS2: 0 PS3: −1 PS4: −1 PS5: −1 PS6: −1	278.7	99.99	0.090	31610	[x]

Comments: 50K - 5351 events

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17351	Start: 1:52 Stop: 2:55	Carbon	95.96	0.024	26946	[x] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: −1 PS2: 0 PS3: −1 PS4: −1 PS5: −1 PS6: −1	~~278.7~~ 258.9	99.988	0.090	58556	[x]

Comments: 50K - 5671

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17352	Start: 2:55 Stop: 3:58	Carbon	95.6	0.024	34914	[x] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: −1 PS2: 0 PS3: −1 PS4: −1 PS5: −1 PS6: −1	303.6	100.0	0.090	93470	[x]

Comments: 50K - 5195

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/11/22 Initials: H.V.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17353	3:59 / 4:56	Carbon	95.75	0.025K	31808	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		276.5	99.99	0.090K	125278	☒

Comments:

50K – 5879

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17354	4:59 / 5:05	Carbon	81.73	0.025K	4363	
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		877.4	97.05	2.1K	4363	☒

Comments:

50K – 234

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17355	5:10 / 5:16	Ca40	80.99	0.025K	3997	
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		371	99.04	4.3K	3997	☒

Comments:

50K – 139

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17356	5:19 / 6:15	Ca40	95.32	0.025K	30109	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		304	99.99	0.110K	30109	☒

Comments:

50K – 5338

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17357	6:16 / 7:13	Ca40	95.22	0.026K	33857	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		334.0	99.99	0.115K	63966	☒

Comments:

50K – 4962

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 11 / 22 Initials: H.V.

Run #	Start: 7:14 Stop: 8:10	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17358		Ca40	95.37	0.025K	36621	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		369612	99.99	0.120K	100587	☒

Comments:

50K - 4954

Run #	Start: 8:20 Stop: 9:14	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17359		Ca4	99.86%	25 Hz	22870	
Beam Current	PS1: ~~-1~~ -Jump PS4: -1 PS2: ~~0~~ -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		26084	~100%	120 Hz	123457	☒

Comments: PS1: -1 PS2: 0 (all others -1)

50k - 4395

Run #	Start: 9:47 Stop: 10:01	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17360		Dummy	99.93%	25 Hz	3276	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		42389	100%	75 Hz	3276	☒

Comments:

Run #	Start: 11:06 Stop: 11:14	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17361		Dummy		25 Hz		
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA						☐

Comments:

Run #	Start: 11:16 Stop: 12:16	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17362		Dummy	99.82%	25 Hz	12540	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		183447	~~Deadt~~ 99.99%	50 Hz	12540	☒

Comments:

50k - 3418

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 11 / 22 Initials: TSH

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17363	Start: 12:20 Stop: 12:30	Dummy	99.90%	25 Hz	3003	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		34029	99.99%	60 Hz	15543	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17364	Start: 12:39 Stop: 13:40	LD2	99.84%	25 Hz	78081	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		659251	99.99%	215 Hz	78081	☒

Comments:

50k - 5922

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17365	Start: 13:58 Stop: 14:42	H2	99.96%	25 Hz	39638	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		307269	99.99%	131 Hz	39638	☒

Comments:

50k - 6450

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17366	Start: 15:37 Stop: 16:33	H2	99.85%	25 Hz	42038	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		349.5K	99.98%	130 Hz	81676	☒

Comments:

50k - 6014

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 11 / 22 Initials: EW

Configuration Name: Setting 3

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- -4.19 (From GUI) θ(TV): 26.02 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

	X	Y
3H07A	-0.100 mm, Nominal: -0.1	-0.2997 mm, Nominal: -0.3
3H07C	-0.69 mm, Nominal: -0.7	-0.486 mm, Nominal: -0.5

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17367	Start: 16:56 Stop: 18:00	LH2	99.99	25 Hz	248.6k	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
60 μA	PS1: -1 PS2: 0 PS3: -1	PS4: -1 PS5: -1 PS6: -1	894k	99.98	279 Hz	248.6k / [x]

Comments: 50k: 13905

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17368	Start: 18:00 Stop: 19:28	LH2	99.93	25 Hz	304.9k	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
60 μA	PS1: -1 PS2: 0 PS3: -1	PS4: -1 PS5: -1 PS6: -1	1.16 M	99.99	280 Hz	553.5k / [x]

Comments: 50k: 13142

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17369	Start: 19:34 Stop: 20:38	LD2	99.87	25 Hz	321.5k	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
60 μA	PS1: PS2: PS3:	PS4: PS5: PS6:	1.23 M	99.98	460 Hz	321.5k / [x]

Comments: 50k: 13070

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 11 / 22 Initials: EW

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17370	20:34 / 21:09	LD2	99.88	25	246K	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		902k	99.99	480	567.5K	☑

Comments: 50K: 13623

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17371	21:16 / 23:08	Dummy	99.98	25	136.9K	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		665K	99.97	104	136.9K	☑

Comments: 50K: 10300

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17372	23:12 / 00:14	Ca40	99.99	25	148746	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		740K	99.99	105Hz	148746	☑

Comments: 50K: 9559

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17373	00:15 / 00:49	Ca40	98.12	25	72478	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		367K	99.98	250	221.224	☒

Comments: Stoped Run (MCC) 50K → 10459

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17374	01:03 / 02:01	Ca 40	98.08	25	147.5K	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		730K	99.97	250	368.7K	☒

Comments: 50K → 10292

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 12 / 22 Initials: H. V.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17375	Start: 02:02 Stop: 02:54	Ca40	98.13	25	~~140.6~~ K	
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
~~160~~ μA	PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1	687.2K	99.99	250	509.3K	☒

Comments:

50K – 9942

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17376	Start: 02:56 Stop: 03:01	Ca 40	8746	50	8179	
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 1 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	759.5K	98.13	2420	8179	☒

Comments:

50K - 567

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17377	Start: 3:10 Stop: 3:16	Carbon	88.11	25	13753	
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 0 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	774.6K	96.16	~~2490~~ ?	13753	☒

Comments:

50K - 924

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17378	Start: 3:19 Stop: 4:18	Carbon	98.12	25	137.4K	
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1	580.3K	99.98	175	137.4K	☒

Comments:

50K - 12174

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17379	Start: 04:19 Stop: 05:17	Carbon	98.32	25	106.9K	
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS2: 0 PS3: -1 PS4: -1 PS5: -1 PS6: -1	473.4	99.998	175	244.3K	☒

Comments:

50K – 11901

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 12 / 22 Initials: H.V.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17380	Start: 05:18 Stop: 06:22	Carbon	98.24	25	138.5	☒ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	593.0	99.99	180	382.8	☒

Comments:

50k - 11345

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17381	Start: 06:23 Stop: 07:25	C12	98.32	25	122K	☒ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	529.4	99.99	170	504K	☒

Comments:

50k - 9413

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
~~17382~~		C12				☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1					☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
						☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
						☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/12/22 Initials: M.V

Configuration Name: Q^2 dependence study, Setting 4

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2×2

E_{beam}: 10.54 GeV

SHMS
p: +/- 3.69 (From GUI) θ(TV): 26 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	3H07A Y
-0.010 mm	-0.31 mm
Nominal: -0.1	Nominal: -0.3

3H07C X	3H07C Y
-0.70 mm	-0.50 mm
Nominal: -0.7	Nominal: -0.5

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17382	07:54 / 08:54	C12	99.91	25	313.9 k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1006.7	99.99	310	313.9k	[x]

Comments: 50k ⇒ 15590

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17383	08:56 / 09:02	C12	99.94	25	26.7 K	
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		803.2	90.78	3000	26.7k	[x]

Comments: 3/4 run 50k ⇒ 1663

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17384	09:09 / 09:15	4He	1.00	25	29.7k	
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1396.4	54.3	4500	29.7k	[x]

Comments: 3/4 run 50k ⇒ 1064

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 12 / 22 Initials: D.A.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17385	09:17 / 10:22	40Ca	99.84	25	397k.	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1519.1	99.99	480	397k.	☒

Comments:

50k ⇒ 13888

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17386	10:34 / 10:59	10cm Dummy	99.94	25	72.6k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		260.96	99.99	~~480~~ 200	72.6k	☒

Comments:

50k ⇒ 14188

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17387	11:10 / 11:33	LD2	99.90	25	127.8k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		398k	99.98	925		☒

Comments:

50k ⇒ 16765

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17388	11:59 / 12:00	LD2	99.84	25	297.9k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		877.8	99.97	930	425.7k	☒

Comments:

50k ⇒ 16843

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17389	12:24 / 13:06	LH2	99.90	25	398.3k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1043.6	99.99	500	398.3k	☒

Comments:

50k = 19081

E12-10-008/E12-06-105 Date: 10 / 12 / 22 Initials: D.A.

SHMS Runsheet

Run #	Start: 13:18 Stop: 13:28	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17390		C12	99.89	25	50.672	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		165.2	99.996	320	364.572	☒

Comments: We took this short run to get required statistics in this setting that should follow run 17382.

50k = 15235

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 12 / 22 Initials: D.A

Configuration Name: Q^2 dependence Study ; setting 5.

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.544 GeV

SHMS
p: +/- -3.25 (From GUI) θ(TV): 26 (Nearest 0.005)

Beam position and angle on target:

3H07A	X	Y
	-0.10 mm	-0.30 mm
Nominal:	-0.1	-0.3

3H07C	X	Y
	-0.71 mm	-0.49 mm
Nominal:	-0.7	-0.5

Collimator [x]
Sieve [ ]

Run #	Start: 13:56 Stop: 14:16	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17391		LH2	99.88	25	316k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		801k	99.98	850	316k	[x]

Comments:

50k ⇒ 19727

Run #	Start: 14:25 Stop: 14:34	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17392		LD2	99.91	25	267.6k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		807.3	99.95	1650	~~1650~~ 267.6k	[x]

Comments:

50k ⇒ 16576

Run #	Start: 14:45 Stop: 14:59	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17393		10cm Dummy	99.90	25	49.7k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		186.9	99.99	320	49.7k	[x]

Comments:

50k ⇒ 13308

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 12 / 22 Initials: D.A.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17394	15:05 / 15:25	40Ca	99.93	25	189k	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		723.9	99.98	900	189k	☑

Comments:

50k ⇒ 13052

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17395	17:06 / 17:14	40Ca	99.93	25	94148	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		~~900~~ 375k	99.974	900	94148	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17396						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA						☐

Comments: Incorrect Pu-scale factors

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17397						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: CODA crashed

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17398	17:26 /					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA						☐

Comments: Incorrect EDTM rate

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 12 / 22 Initials: AS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17399	Start: 17:~~30~~28	Ca40				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
60 μA	PS1: 3 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1					

Comments: Incorrect EDTM rate

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17400	Start: 17:30 Stop: 17:35	Ca40	99.66	125	12600	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA	PS1: 3 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	500k	99.59	1980	12600	

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17405	Start: 00:24 Stop: 00:29	C12	97.52	50	29516	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA	PS1: 1 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	757.6	94.58	2450	29516	

Comments: 50k - 1968

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17406	Start: 00:32 Stop: 01:00	C12	99.50	25	17404	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	863.1k	99.98	562	17404	

Comments: 50k - 15882

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: H. V.

Configuration Name: Q^2 dependence Study, Setting 6

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2×2

E_{beam}: 10.54 GeV

SHMS
p: +/- -2.86 (From GUI) θ(TV): 26 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	3H07A Y
-0.098 mm	-0.30 mm
Nominal:	Nominal:

3H07C X	3H07C Y
-0.70 mm	-0.50 mm
Nominal:	Nominal:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17407	1:13 / 1:26	C12	99.68	25	160.8 K	[x] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	-1 / 0 / -1 / -1 / -1 / -1	564.11	99.96	930	160.8 K	[x]

Comments: 50K – 14545

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17408	1:27 / 1:41	C12	99.70	25	198.93 K	[ ] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	-1 / 0 / -1 / -1 / -1 / -1	689	99.97	930	358.8 K	[x]

Comments: 50K – 14288

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17409		C12				[ ] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	-1 / -1 / -1 / -1 / -1 / -1					[ ]

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 13 / 22 Initials: MV

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17411	1:54 / 2:05	Ca40	99.95	25	200.7K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	-1 -1 0 -1 -1 -1	876.0	99.65	1550	200.7K	☒

Comments: 50K - 11366

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17412	2:07 / 2:12	Ca40	98.82	125	23274	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	3 -1 -1 -1 -1 -1	1049 K	88.89	3430	23274	☒

Comments: 50K - 1033

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17413	2:17 / 2:26	Dummy	99.67	25	70073	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	-1 -1 0 -1 -1 -1	225.5	99.98	540	70073	☒

Comments: 50K - 13560

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17414	2:31 / 2:42	LH_2	99.66	25	240331	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	-1 -1 0 -1 -1 -1	689.1	99.96	1350	240331	☒

Comments: 50K - 17556

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17415	2:47 / 2:57	LD2	99.66	25	497703	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	-1 -1 0 -1 -1 -1	1752	99.95	2850	497703	☒

Comments: 50K - 14336

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: H.V.

Configuration Name: Q^2 dependence Study, Setting 7

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- 2.52 (From GUI) θ(TV): 26 (Nearest 0.005)

Beam position and angle on target:

3H07A X	Y
-0.10 mm	-0.31 mm
Nominal:	Nominal:

3H07C X	Y
-0.68 mm	-0.48 mm
Nominal:	Nominal:

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17416	3:12 / 3:22	LD2	99.69	50		
Beam Current	PS1: -1 PS4: -1 PS2: 1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		~1	95.99	2330		

Comments: 50k - 11091

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17417	3:34 / 3:45	LH2	99.79	25		
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		1240 K	97.85	2100		

Comments: 17418 Junk (Coda) 50k - 14028

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17419	3:54 /	Dummy	99.90	25		
Beam Current	PS1: - PS4: - PS2: 0 PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
40 μA		181	99.92	820		

Comments: 50k - 11796

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: H. V.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17420	Start: 4:02 Stop: 4:11	Ca40	99.71	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: – PS4: – PS2: 0 PS5: – PS3: – PS6: –	1139	97.28	2500		☒

Comments:

50k – 9584

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17421	Start: 4:15 Stop: 4:18	Ca40	99.71	225		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: 4 PS4: – PS2: – PS5: – PS3: – PS6: –		99.99	3500		☒

Comments:

50k – 786

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17422	Start: 4:24 Stop: -	Carbon	1.00	125	6962	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: 3 PS4: – PS2: – PS5: – PS3: – PS6: –	306.8	93.90	3250	6962	☒

Comments:

50k – ~~780~~ 1115

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17423	Start: 4:28 Stop: 4:39	Carbon	1.00	25	177150	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: – PS4: – PS2: 0 PS5: – PS3: – PS6: –	739.2	99.90	1400	177150	☒

Comments:

50k – 11795

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS1: PS4: PS2: PS5: PS3: PS6:					☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: ___/___/___ Initials:_____

Configuration Name: Q^2 dependence
Study, Setting 8

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- 1.95 (From GUI) θ(TV): 28 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	Y
-0.101 mm	-0.299 mm
Nominal:	Nominal:

3H07C X	Y
-0.695 mm	-0.498 mm
Nominal:	Nominal:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17424	4:48 / 5:03	Carbon	99.90	25		
Beam Current	PS1: - PS4: - PS2: 0 PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		1595	97.50	2100		

Comments:
50k - 9818

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
17425	5:05 / 3	Carbon		25		
Beam Current	PS1: 0 PS4: - PS2: - PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [ ]
60 μA						

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17426		C12				
Beam Current	PS1: 4 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA						

Comments: EDTM low

E12-10-008/E12-06-105 Date: 10 / 13 / 22 Initials: H.V.

SHMS Runsheet

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17427	Start: 5:14 Stop: 5:17	C12				
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 5 PS4: – PS2: – PS5: – PS3: – PS6: –					☑

Comments: Incorrect EDTM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17428	Start: 5:21 Stop:	Ca40	99.81	425	7717	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	~680	91.16	3440	7717	☒

Comments: 17429 Junk (Coda 50k – 620

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17430	Start: 5:32 Stop: 5:40	Ca40	99.91	50	99162	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: – PS4: – PS2: 1 PS5: – PS3: – PS6: –	637.5	97.95	1950	99162	☒

Comments: 50k – 7783

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17431	Start: 5:45 Stop: 5:54	Dummy	99.92	25	25413	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: – PS4: – PS2: 0 PS5: – PS3: – PS6: –	133.3	99.99	1200	25413	☒

Comments: 50k – 9131

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17432	Start: 6:03 Stop: 6:13	LD2	99.91	50	296583	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: – PS4: – PS2: 1 PS5: – PS3: – PS6: –	~1770	85.59	3700	296583	☒

Comments: 50k – 8378

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: V.H.

Run #	Start: 6:22 Stop: 6:31	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17433		LH2	99.84	25		
Beam Current	PS1: – PS4: – PS2: 0 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1578	90.48	3200		☒

Comments: 50K – 10977

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: H. V.

Configuration Name: Q^2 dependence Study, Positron, Setting 1

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2×2

E_{beam}: 10.54 GeV

SHMS
p: +/- 2.88 (From GUI) θ(TV): 26 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	3H07A Y
-0.095 mm	-0.311 mm
Nominal:	Nominal:

3H07C X	3H07C Y
-0.700 mm	-0.498 mm
Nominal:	Nominal:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17434	Start: 7:47 Stop: 7:59	LH_2	97.81	25	674	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		32.9	99.99	~70	674	[x]

Comments: Junk 32k – 674

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
17435	Start: 8:04 Stop:	Ca40				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA				90		[ ]

Comments: Junk

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
μA						[ ]

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: SCD

Configuration Name: Q^2 dep.
Positron, Setting 1

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2 mm²

E_{beam}: 10.54 GeV

SHMS
p: +/- 2.86 (From GUI) θ(TV): 26 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
-0.097 mm	-0.281 mm
Nomin:	Nomin:

3H07C X	3H07C Y
-0.738 mm	-0.473 mm
Nomin:	Nomin:

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17436	Start: 8:16:14 Stop: 8:28:29	Ca40	100	25	12469 ~~1695~~	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: - PS2: - PS3: 0 PS4: - PS5: - PS6: -	51	100	35	1695	[x]

Comments:

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17447	Start: 11:04:57 Stop: 11:18:04	Ca40	99.8	25	3019	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: - PS2: - PS3: 0 PS4: - PS5: - PS6: -	66447	100	~70	5488	[x]

Comments:

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	Data ok / Junk
17448	Start: 11:27:54 Stop:	Ca40				[ ] Data ok [x] Junk
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate (k)**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 6 PS2: -1 PS3: -1 PS4: - PS5: - PS6: -					[ ]

Comments: JUNK (DS did not SAVE).

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: SCA

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17449	11:28:31 Stop:	Ca 40	100	825	100	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	6 – – – – –	719225	98.7%	1951	5588	☒

Comments: 3/4

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17450	11:50:21 Stop: 11:59:52	C	99	225	17	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	4 – – – – –	833485	89.46	3000	5605	☒

Comments: 3/4

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17451	12:17:35 Stop: 12:29:51	C	100	25	880	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	– – – – 0 –	35396	99.99	50	6485	☒

Comments: EL_CLEAN

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: SCA

Configuration Name: Q^2 dependence Position Setting 2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2 mm^2

E_{beam}: 10.54 GeV

SHMS
p: +/- ~~+2.21~~ 2.52 From GUI
θ(TV): 26 Nearest 0.005

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	3H07A Y
-0.101 mm	-0.301 mm
Nomin:	Nomin:

3H07C X	3H07C Y
-0.715 mm	-0.485 mm
Nomin:	Nomin:

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17452	Start: 12:41:51 Stop: 12:52:17	Ca40	99.82	25	8386	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		95665	99.9	140	8386	[x]

Comments: EL_CLEAN

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17453	Start: 12:56:11 Stop:	Ca40	100	825	223	
Beam Current	PS1: 6 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1862626	85.94	3598	8609	[x]

Comments: 3/4

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17454	Start: 13:10:47 Stop: 13:19:39	C		825	33	
Beam Current	PS1: 6 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		835266	99.54	1723	8642	[x]

Comments: 3/4

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: SCA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17455	Start: 13:24:22 Stop: 13:35:39	C	99.8	25	2680	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		46879	99.59	71	11322	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17456	Start: 13:41:27 Stop: 14:07	10cm Al	99.8	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA			100.12!	51		☒

Comments: Junk → long beam OFF period

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17457	Start: 14:16:54 Stop: 14:26:23	10cm dummy	99.82	25	1400	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		28221	100.17	52	12722	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17458	Start: 14:33:47 Stop: 14:44:36	10cm Dummy	100	425	97	
Beam Current	PS1: 5 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		122048	99.59	2105	12819	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17459	Start: 14:54:34 Stop: 15:05	LD2	99.9	1625	130	
Beam Current	PS1: 7 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		165952	94.85	2652	12949	☒

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: SCA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17460	Start: 15:07:41 Stop: 15:20:20	LD2	100	25	123	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	1024066	99.42	226	13072	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17461	Start: 15:26:16 Stop: 15:39:00	LH2	100	25	2587	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	53643	99.99	110	15659	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17462	Start: 15:41:53 Stop: 15:53:48	LH2	100	825	109	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: 6 PS4: – PS2: – PS5: – PS3: – PS6: –	1361113	94.65	2688	15768	☒

Comments:

new setting +2.21

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17463	Start: 18:08 Stop: 18:20	C12	99.75	25	4561	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: – PS4: PS2: – PS5: PS3: 0 PS6:	55.186	100%	99.6	5076	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17464	Start: 18:24 Stop:	C12	100%	1625	10	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: 7 PS4: PS2: – PS5: PS3: – PS6:	676 K	99.2%	1.7kHz		☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/13/22 Initials: AK

Configuration Name: Q^2 dependence
Positron setting

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- +2.21 (From GUI) θ(TV): 26 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	Y
-0.09 mm	-0.30 mm
Nomin:	Nomin:

3H07C X	Y
-0.69 mm	-0.49 mm
Nomin:	Nomin:

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17465	18:40 / 18:50	Ca40	99.67	3.225	6	
Beam Current	PS1: 8 PS4: - PS2: - PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		816k	98.78%	1.8		

Comments:
17466 → Junk didn't set prescale for edtm.

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
17467	18:55 /	Ca40	99.5%	25 Hz	5908	
Beam Current	PS1: - PS4: PS2: - PS5: PS3: 0 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done [ ]
60 μA		147.4k	100%	250k	5	

Comments:

Run #	Start: / Stop:	Target:	Fid. Trk. Eff. (%)	EDTM Rate (k)	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate (k)	Extrapolated # of electrons (this setting/targ)	50k Replay Done [ ]
μA						

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: AK

Configuration Name: CSB

Setting 4

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2 x 2

E_{beam}: 10.54 GeV

SHMS
p: +/- +1.95 (From GUI) θ(TV): 26 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	3H07A Y
-0.09 mm	-0.32 mm
Nominal:	Nominal:

3H07C X	3H07C Y
-0.69 mm	-0.50 mm
Nominal:	Nominal:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17468	Start: 19:43	Ca40	99.79	25	8647	
Beam Current	PS1: - PS4: - PS2: - PS5: - PS3: 0 PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		229K	100%	407.8		

Comments: This is setting 4; forgot to correct in gui.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17469	Start: 19:59	Ca40	99.62	3285	21	
Beam Current	PS1: 8 PS4: - PS2: - PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		1535K	100%	3.08 kHz		

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17470	Start: 20:32 Stop: 20:42	C12	99.75	1625	7	
Beam Current	PS1: 7 PS4: - PS2: - PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		1558K	92.76%	2.9 kHz		

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: AK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17471	20:44 / 20:54	C12	100%	25	10	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1589 K	91.65%	151.5	314	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17472	21:16 / 21:29	Al27	99.81%	25	6289	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		64K	100%	91.8		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17473	21:31 /	Al27	~~99.7~~ 100%	1625	9	
Beam Current	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		966 K	99.26	1.7 K		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17474	21:48 / 21:57	LH2	100%	3225	9	
Beam Current	PS1: 8 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1378 K	95.32%	2.60 K		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17475	22:00 / 22:10	LH2	99.78%	25	6646	
Beam Current	PS1: -1 PS4: PS2: -1 PS5: PS3: 0 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		135 K	100%	323		☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: AK

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17476	22:19 Stop:	LD_2.	99.67	25	6947	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		402 K	99.6	664		

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17477	22:31 Stop:	LD_2	99.67	6425	11	
Beam Current	PS1: 9 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1445 K.	99.51	2.3 K		

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 13 / 22 Initials: AK

Configuration Name: HMSp = 3.40
CSB at ~~8 deg~~ Study HMS 20°
Setting 1. SHMS 8°

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- +9.2 From GUI
θ(TV): ~~28~~ 8 Nearest 0.005

Beam position and angle on target:

3H07A X	Y
-0.089 mm	-0.299 mm
Nominal:	Nominal:

3H07C X	Y
-0.695 mm	0.476 mm
Nominal:	Nominal:

- Collimator [x]
- Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17479	1:42 / 1:52	LD2	~~95.45~~	25		[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
60 μA	PS1: – PS2: – PS3: 0	PS4: – PS5: – PS6: –	1255	97.76	2480	[x]

Comments: ~~ELREAL Clean~~ Elclean 50K - 370

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17480	2:01 / 2:11	Carbon	~~99.95~~	25	1991	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
60 μA	PS1: – PS2: – PS3: 0	PS4: – PS5: – PS6: –	228.6	~~99.98~~ 99.92	460	1991 [x]

Comments: ~~ELREAL Clean~~ Elclean 50K - 388

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17481	2:13 / 2:23	Carbon	1.00	225		[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
60 μA	PS1: 4 PS2: – PS3: –	PS4: – PS5: – PS6: –	1207	97.14	2240	[x]

Comments: 314 50K - 31

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/14/22 Initials: HV

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17482	2:28 / 2:38	Ca 40	99.99	425		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	5 – – – – –	1938	87.12	3475		☒

Comments: 3/4 50K - 37

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17483	2:44 / 2:56	Ca 40	94.59	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	– – – – 0 –	~575	99.97	1375		☒

Comments: ~~El Real Clean~~ Elclean 50K - 401

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17484	2:58 / 3:08	Ca 40	1.00	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	– – – – 0 –	560	99.98	1000		☒

Comments: ~~Elreal Clean~~ Elclean 50K - 455

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/14/22 Initials: H.V.

Configuration Name: CSB Study

HMS p = +3.04 Setting 2

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2×2

E_{beam}: 10.54 GeV

SHMS

p: +/- +9.2 (From GUI) θ(TV): 26 (Nearest 0.005) 20-8.02

Beam position and angle on target:

3H07A X	Y
-0.099 mm	-0.291 mm
Nominal:	Nominal:

3H07C X	Y
-0.693 mm	-0.492 mm
Nominal:	Nominal:

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17485	Start: 3:13	Ca 40	1.00	25	3473	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		393.26	99.98	990	3473	

Comments: El ~~reak~~ Clean 50k - 441

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17486	Start: 3:23 Stop: 3:33	Ca 40	1.00	425		
Beam Current	PS1: 5 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		1943.8	97.13	3450		

Comments: 3/4 50k - 35

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17487	Start: 3.39 Stop: 3.48	Carbon	1.00	225		
Beam Current	PS1: 4 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		~1200	99.98	2280		

Comments: 50k - 28

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/14/22 Initials: H.V.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17488	3:49 / 3:59	Carbon	1.00	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		258.3	99.99	470		

Comments: El_clean 50K – 317

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17489	4:6 /	4D2	94.74	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		1.920	94.48	2500		

Comments: El_clean 50K – 342

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/14/22 Initials: H.V.

Configuration Name: CSB Study
Setting 3
HMSp = 2.71

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2×2

E_{beam}: 10.54 GeV

SHMS
p: +/- +9.2 (From GUI) θ(TV): 26 (Nearest 0.005)

Beam position and angle on target:

3H07A X	Y
-0.996 mm	-0.293 mm
Nominal:	Nominal:

3H07C X	Y
-0.698 mm	-0.499 mm
Nominal:	Nominal:

- Collimator [x]
- Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17490	4:26 / 4:39	LD2	1.00	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		1483.5	99.94	2500		

Comments: El_clean 50K – 392

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17491	4:44 / 4:54	LH2	96.55	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		663.2	99.95	1250		

Comments: El_clean 50K – 384

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
17492	4:59 / 5:12	Carbon	1.00	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		308.3	99.98	490		

Comments: 50K – 403

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/14/22 Initials: H.V.

Run #	Start: 5:15 Stop: 5:25	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17493		Carbon	1.00	225		
Beam Current	PS1: 4 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		1226.2	96.96	2280		

Comments: 3/4 50K – 46

Run #	Start: 5:30 Stop: 5:37	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17494		Ca40	1.00	425		
Beam Current	PS1: 5 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		1273.	88.02	3500		

Comments: 3/4 50K – 25

Run 17495 Junk

Run #	Start: 5:~~48~~ Stop: 5:57	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17496		Ca40	1.00	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		1036	99.98	980		

Comments: El_clean 50K - 386

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: ___/___/___ Initials:____

Configuration Name: CSB Study
HMS_p = +2.421
Setting 4

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2×2

E_{beam}: 10.54 GeV

SHMS
p: +/- +9.2 (From GUI) θ(TV): 26 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

3H07A X	Y
-0.098 mm	-0.299 mm
Nominal:	Nominal:

3H07C X	Y
-0.689 mm	-0.503 mm
Nominal:	Nominal:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17497	5:58 / 6:10	Ca 40	97.37	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		610	99.98	990		

Comments: EL-clean 50K - 426

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17498	6:12 / 7:23	Ca 40	99.99	425		
Beam Current	PS1: 5 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		1759.4	87.34	3500		

Comments: 3/4 50K - 21

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
17499	6:29 / 6:37	Be 9	1.00	425		
Beam Current	PS1: 5 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
60 μA		712.7	93.25	2550		

Comments: 50K - 26

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/14/22 Initials: H.V.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17500	6:38 / 6:52	Be9	1.00	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		613.1	99.98	990		

Comments: El_clean 50K - 370

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17501	6:55 / 7:05	Dummy	97.30	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
40 μA		132.4	99.99	250		

Comments: El_clean 50K - 403

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17502	7:07 / 7:18	Dummy	1.00	75		
Beam Current	PS1: 2 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
40 μA		1570	88.06	3500		

Comments: 3/4 50K = 36

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17503	7:24 / 7:40	LH2	1.00	425		
Beam Current	PS1: 5 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		633.9	99.99	~2000		

Comments: 3/4 I_{beam} - 40μA 50K = 35

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
~~60~~ 17504	7:43 / 8:ish	LH2	1.00	25		
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA			99.98			

Comments: El_clean 50K - 360

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 11 / 22 Initials: NF

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17505	15:36 Stop:	LH2	97.06	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1.5M	99.17	1150		☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17506	Stop:	Ld2				
Beam Current	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA						☐

Comments: Junk.

17507

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17508	17:14 Stop: 17:25	Ld2.	99.99	1625	36	
Beam Current	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		785 K	97.9%	1.8 k		☑

Comments:
HMS coda crashed, so taking data on SHMS (only). Staying at same target flipping between 3/4 and el-clean.

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17509	17:27 Stop:	Ld2	99.9%	50	30	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA			98.2%	1.3k		☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17510	18:18 Stop: 18:28	Ld2.	100%	25	356.	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA			94.6	2.6k		☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 14 / 22 Initials: AK.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17511	18:31 / 18:41	Ld2	100%	825	18	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	6 -1 -1 -1 -1 -1	1.81 M	84.79%	3.8 K		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17512	18:42 / 18:52	Ld2	100%	825	31	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	6 -1 -1 -1 -1 -1	1.94 M	85.34	3.7 K		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17513	18:54 /	Ld2	100%	25	326	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	-1 -1 -1 -1 0 -1		99.96%	2.5K		☐

Comments: Coda crashed

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17514	19:15 / 19:22	LD2	~~100~~ 76.0%	225(25)		
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	4 -1 -1 -1 -1 -1	1607747	24%	13.8 kHz		☒

Comments: Very high daq rate test

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17516	19:25 /	LD2	77.32%	425(25)		
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	5 -1 -1 -1 -1 -1	1.76 M	97.28%	250 Hz		☒

Comments: (17515 crashed at start)
High daq rate test

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 14 / 22 Initials: AK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17517		Ld2				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
60 μA						

Comments: Coda problem; waiting for EPR2. taking too long to start run.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17518	Start: 19:57	Ld2	90.91	~~500~~ 25		
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1.06 M	73.27	5.7		

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17520	Start: 20:18	Ld2	~~93.41~~ 100%	50		
Beam Current	PS1: -1 PS4: -1 PS2: 1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1.01 M	~~93.27~~ 93.41	2.9 k		

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17521	Start: 20:27	Ld2	100%	~~400~~ 25		
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		454 K	94.74%	4.6 kHz		

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17522	Start: 20:35	Ld2.	100%	425		
Beam Current	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		820 K	61.78	5.4 K		

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 14 / 22 Initials: AK

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17523	20:41 Stop:	Ld_2	100%	225		
Beam Current	PS1: 4 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		1.07 M	37.23%	10.3		

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17524	20:48 Stop: 20:56	Ld_2	100%	425		
Beam Current	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		1.75M	85.37	5.4K		

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17525	20:58 Stop: 21:02	Ld_2	100%	125.		
Beam Current	PS1: 3 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		952K	25.21	18 KHz		

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17526	21:20 Stop:	Ld_2	100.00%	825		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1.7 M	80.071%	4.4K		

Comments: S1X and S2X are 1 to 6 are turned off.
Check paddles, setting probably wrong

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17527	21:23 Stop:	Ld_2	100%	50		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1.69 M	86.93	3.5K		

Comments: Check paddles, setting probably wrong

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 14 / 22 Initials: AK

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17528	21:42 Stop:	Ld_2	96.7 %	50		
Beam Current	PS1: -1 PS4: -1 PS2: 1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1.55 M	86.07	35 K		☑

Comments: check paddles, setting probably wrong

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17529	22:21 Stop: 22:35	Ld_2	100%	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1.4 M	94.	2.5 K		☑

Comments:
17530 → Junk, DAQ rate too high.

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17531	22:53 Stop:	Ca48	0.79 %	825		
Beam Current	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1.0 M	92.8	2.6 K		☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17532	23:03 Stop:	Ca48	1.00 %	25	2	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1.11 M	99.38 %	1.4 K		☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17533	23:22 Stop:	C12	100%	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		339 K	99.9	1.4 K		☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 14 / 22 Initials: AK/SCA

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17534	23:35 Stop:	C12	100%	825		
Beam Current	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		395K	100%	2.6K		☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17535	23:53 Stop: 00:05	B11	100%	825		
Beam Current	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		384k	99.98%	2.6k		☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17536	0:08:44 Stop:	B11	100	25	427	
Beam Current	PS1: - PS4: - PS2: - PS5: - PS3: 0 PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		438507	99.98	524	3745 ~~580~~	☒

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17537	0:46 Stop: 0:56	B10	100	25	465	
Beam Current	PS1: - PS4: - PS2: - PS5: - PS3: 0 PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		301755	99.98	498	2806	☒

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17538	0:58 Stop: 1:33	B10	100	425	40	
Beam Current	PS1: 5 PS4: - PS2: - PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		831835	99.99	1100	465	☒

Comments: tippy beam

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 15 / 22 Initials: SCA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17539	1:41 / 2:10	Sn	~~128~~ 100	425	22	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	5 – – – – –	308 106	99.99	1452	~40	☒

Comments: Long beam OFF (~~Fe~~ Injector problems -> expert called in) ~5 mins of beam @ 40 μA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17540	2:21 / 2:31	Sn	97.62	25	443	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	– – – – 0 –	205463	99.98	380	1820	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17541	2:34 / 2:47	Ti	100	25	437	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	– – – – 0 –	86083	100	148	752	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17542	2:49 / 2:59	Ti	100	125	37	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	3 – – – – –	644766	97.92	1109	477	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17543	3:03 / 3:09	Fe	100	125	38	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	3 – – – – –	230857	98.88	1688	170	☒

Comments: 2 mins beam time (STOPPED run -> ~~Injector~~ Injector work) SHORT RUN

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 15 / 22 Initials: SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17544	4:27 / 4:41	Fe	100	125	36	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	3 – – – – –	847575	98.68	1615	610	☒

Comments: Retake 3/4 on Fe

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17545	4:44 / 4:58	Fe	100	25	394	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	– – – – 0 –	121796	99.99	194	960	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17546	5:03 / 5:15	Ag	98.0	25	453	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	– – – – 0 –	315785	99.97	560	2861	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17547	5:17 /	Ag	100	425	26	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	5 – – – – –	1290418	95.11	2522	670	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17548	5:34 / 5:46	Th	100	425	25	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	5 – – – – –		98.99	1955		☒

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 15 / 22 Initials: SCA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17549	Start: 5:47 Stop: 6:00	Th	97.06	25	437	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		233494	99.99	348	2041	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17550	Start: 6:05 Stop: 6:17	Ni-58	100	25	406	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		115344	99.99	163	996	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17551	Start: 6:18 Stop: 6:33	Ni-58	100	125	28	
Beam Current	PS1: 3 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		835304	99.99	1409	468	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17552	Start: 6:38 Stop: 6:48	Ni-64	100	125	40	
Beam Current	PS1: 3 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		673472	99.99	1179	~538	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17553	Start: 6:49 Stop: 7:00	Ni-64	100	25	408	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: 0 PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		94328	99.99	152	769	☒

Comments: DONE! SETTING 4

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 15 / 22 Initials: DG

Configuration Name:
π^0 2N SRC
Setting 1

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- 9.2 GeV (From GUI) θ(TV): 8.005 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

	X	Y
3H07A	-.1 mm, Nominal: -0.1	-.3 mm, Nominal: -0.3
3H07C	-.69 mm, Nominal: ~~-0.33~~ -0.7	-.7 mm, Nominal: ~~-0.18~~ -0.5

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17554	Start: 8:38 Stop: 8:46	LD2	98.67%	425 Hz	~~12601~~ 48.6K (2240 ~~56~~ w/x cut)	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
30 μA	PS1: -1, PS2: 5, PS3: -1	PS4: , PS5: -1, PS6:	1930K	67.9	11.4 kHz	48.6 K / 56 (2240 w/x cut) / [x]

Comments: Dead time test 12601 out of 50 K (no x-cut)
DAQ crash at end

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17555	Start: 8:50 Stop: 8:58	LD2	97.69%	825 Hz	2.5 K	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
30 μA	PS1: -1, PS2: 6, PS3: -1	PS4: , PS5: -1, PS6:	1820K	58.4%	5.7 kHz	4.75 K / [x]

Comments: DAQ crash at end 69 e⁻ out of 50K
Dead time test

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17556	Start: 9:02 Stop: 9:10	LD2	97.45	1625 Hz	2.871 K	[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3**	**PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)** / **50k Replay Done**
30 μA	PS1: -1, PS2: 7, PS3: -1	PS4: , PS5: -1, PS6:	1994 K	92.92%	2.9 kHz	7.621 K / [x]

Comments: 72 e⁻ / 50K

good events estimated w/ x-cut of 1.4-1.9

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 15 / 22 Initials: BS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17557	Start: 9:17 Stop: 9:30	LD2	97.47	1625	2.53 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		2073	89.65	3 kHz	10.15 K	☑

Comments: 61 good e⁻/50 k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17558	Start: 9:31 Stop: 9:46	LD2	97.1	1625	2.93 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		2154	90.28	3.0 kHz	13.08 K	☑

Comments: 68/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17559	Start: 9:46 Stop: 9:58	LD2	97.22	1625	2.139 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1981	90.37	3 kHz	15.22 K	☑

Comments: 54/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17560	Start: 9:59 Stop: 10:11	LD2	97.5	1625	2.44 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1996 K	89.5	3 kHz	17.66 K	☑

Comments: 61/50K DAQ crash

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17561	Start: 10:18 Stop: 10:30	LD2	97.5	1625	2.96	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1999.7K	97	2.9 K	20.62	☑

Comments: 74 ~~39~~/50K

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 15 / 22 Initials: DG

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☑ Junk
17562	Start: 10:30 Stop: 10:33	LD2	X	X	X	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		X	X	X	X	☐

Comments: Junk - no beam

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17563	Start: 10:35 Stop: 10:46	LD2	97.3%	1625	2.22 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1985 K	89.2%	3.0 kHz	22.84 K	☑

Comments: 56/50 K DAQ "booted"

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17564	Start: 10:49 Stop: 11:03	LD2	98.0	1625	2.60 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1943 K	99.98	3 kHz	25.44 K	☑

Comments: 67/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17565	Start: 11:04 Stop: 11:17	LD2	97.9	1625	1.97 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1970	98.48	3 kHz	27.41 K	☑

Comments: 50/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17566	Start: 11:17 Stop:	LD2	97.2	1625	2.22 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		2022	93.0	3 kHz	29.32 K	☑

Comments: 55/50 K

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Date: 10 / 15 / 22 Initials: DG

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17567	Start: 11:33 Stop: 11:45	LD2	97.8	1625	2.67 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS1:-1 PS4: PS2:7 PS5:-1 PS3:-1 PS6:	202.7	89.0	2.9 kHz	32.0 K	☑

Comments: 66/50K End fan b (disconnected)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17568	Start: Stop:	LD2				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS1:-1 PS4: PS2:7 PS5:-1 PS3:-1 PS6:					☐

Comments: Junk-run start failed

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17569	Start: 11:48 Stop: 11:59	LD2	97.7	1625	3.01 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS1:-1 PS4: PS2:7 PS5:-1 PS3:-1 PS6:	203.6K	92.3	30 kHz	35.01 K	☑

Comments: 74/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17570	Start: 12:00 Stop: 12:12	LD2	97.0	1625	2.63 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS1:-1 PS4: PS2:7 PS5:-1 PS3:-1 PS6:	1903.5K	89.4	2.9 kHz	37.61 K	☑

Comments: 69/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18571	Start: 12:12 Stop:	LD2	97.6	1625	2.28	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS1:-1 PS4: PS2:7 PS5:-1 PS3:-1 PS6:	1901	99.98	3 kHz	39.92	☑

Comments: 60/50K

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17572	Start: 12:27 Stop: 12:39	LD2	97.21	1625	2.758 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	1970 K	90.35	3 kHz	~~39.~~ 42.68K	☑

Comments: 70/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17573	Start: 12:40 Stop: 12:51	LD2	97.6	1625	2.44 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	1971 K	77.2	3 kHz	45.12	☑

Comments: 62/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17574	Start: 12:52 Stop: 13:07	LD2	97.4	1625	2.16	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: -1 PS2: 7 PS5: PS3: -1 PS6:	1962 K	89.2	2.9 K	47.28	☑

Comments: 55/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17575	Start: 13:07 Stop: 13:19	LD2	96.89	1625	1.75 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: PS2: 7 PS5: PS3: -1 PS6:	1900 K	~~96.8~~ 81.84	3 kHz	49.03 K	☑

Comments: 46/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17576	Start: 13:20 Stop: 13:31	LD2	97.4	1625	2.48 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: PS2: 7 PS5: PS3: -1 PS6:	1971	88.4	3 kHz	51.51 K	☑

Comments: 63/50 K

LD2 total so far = 51.51 K

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SHMS Runsheet

Date: 10 / 15 / 22 Initials: DG

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17577	Start: 13:41 Stop: 13:55	LH2	97.4	1625	2.13 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4: PS2: 7 PS5:-1 PS3:-1 PS6:	1973 K	93.6	2.8 K	2.13K	☑

Comments: 54/50K → New Target! LH2

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17578	Start: 13:56 Stop: 14:11	LH2	97.6	1625	1.46 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4: PS2: 7 PS5:-1 PS3:-1 PS6:	1975 K	90.6	2.7 K	3.59 K	☑

Comments: 37/50 K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17579	Start: 14:13 Stop: 14:27	LH2	97.5	1625	1.50 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4: PS2: 7 PS5: PS3:-1 PS6:	1973K	93.7	2.7K	5.09 K	☑

Comments: 38/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17580	Start: 14:28 Stop: 14:43	LH2	97.6	1625	1.36 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4: PS2: 7 PS5:-1 PS3:-1 PS6:	1996K	90.6	2.7 kHz	6.45 K	☑

Comments: 34/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17581	Start: 14:43 Stop: 14:55	LH2	97.3	1625	1.1 K	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4: PS2: 7 PS5:-1 PS3:-1 PS6:	1945K	90.7	2.7K	7.55	☑

Comments: 28/50 K

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SHMS Runsheet

Date: 10 / 15 / 22 Initials: DG

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17582	14:56 Stop:	LH2	97.4	1625	1.0 K	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1113 K	91.5	2.7 K	8.55 K	☑

Comments: 45/50K

LH2 total so far = 8.55 K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17583	15:10 Stop: 15:22	Dummy	99.1	425	8.79 K	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1979 K	87.3	3.9 kHz	8.79 K	☑

Comments: 222/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17584	15:22 Stop: 15:33	Dummy	98.73	425	8.96 K	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2083 K	83.92	3.9 kHz	17.75	☑

Comments: 215/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17585	15:33 Stop: 15:46	Dummy	99.0	425	8.87 K	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1989	85.3	3.9 kHz	26.62 K	☑

Comments: 223/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17586	15:46 Stop: 15:59	Dummy	99.1	425	8.2 K	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1954	84.6	3.8 kHz	34.83	☑

Comments: 210/50K

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SHMS Runsheet

Date: 10 / 15 / 22 Initials: DG

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17587	16:01 Stop:	Dummy		425		
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
40 μA				3.9 kHz		

Comments: Junk (kinematics file not updated)

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17588	16:09 Stop:	Dummy		425		
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
40 μA				3.8 kHz		

Comments: Junk (")

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17589	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
40 μA						

Comments: Junk (")

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17590	16:32 Stop: 16:45	Dummy	99.35%	425	~~195~~ 8.2k	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		2102	94.54%	3.8 kHz	43.02	

Comments: 195/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17591	Stop:	Be9				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
60 μA						

Comments: Junk

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SHMS Runsheet

Date: 10 / 15 / 22 Initials: Ak

Run #	Start: 17:04 Stop: 17:31	Target: Be9	E SING FID. EFF. 96.7%	EDTM Rate 1625	Extrapolated # of electrons (this run) 6.3 k	☑ Data ok ☐ Junk
Beam Current 60 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k) 1996	Comp. Live time(%) 87.3%	DAQ Rate 3.0 K	Extrapolated # of electrons (this setting/targ) 6.3 K	50k Replay Done ☑

Comments: 160/50k

17593 → Junk 'Coda Crashed'.

Run #	Start: 17:35 Stop: 17:47	Target: Be9	E SING FID. EFF. 96.4%	EDTM Rate 1625	Extrapolated # of electrons (this run) 6.4 k	☑ Data ok ☐ Junk
Beam Current 60 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k) 2002	Comp. Live time(%) 90.6%	DAQ Rate 3.0 K	Extrapolated # of electrons (this setting/targ) 12.7 k	50k Replay Done ☑

Comments: 160/50k

Run #	Start: 18:09 Stop: 18:22	Target: Ca40	E SING FID. EFF. 97.2%	EDTM Rate 1625	Extrapolated # of electrons (this run) 5.61 k	☑ Data ok ☐ Junk
Beam Current 60 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k) 1870	Comp. Live time(%) 93.54	DAQ Rate 2.7 k	Extrapolated # of electrons (this setting/targ) 5.61 k	50k Replay Done ☑

Comments: 150/50k

Run #	Start: 18:23 Stop: 18:37	Target: Ca40	E SING FID. EFF. 96.88%	EDTM Rate 1625	Extrapolated # of electrons (this run) 4.6 k	☑ Data ok ☐ Junk
Beam Current 60 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k) 1938	Comp. Live time(%) 90.81	DAQ Rate 2.7 k	Extrapolated # of electrons (this setting/targ) 10.26 k	50k Replay Done ☑

Comments: 120/50k

Run #	Start: 18:39 Stop:	Target: Ca40	E SING FID. EFF. 97.29%	EDTM Rate 1625	Extrapolated # of electrons (this run) 5.43 k	☑ Data ok ☐ Junk
Beam Current 60 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k) 1886	Comp. Live time(%) 93.5%	DAQ Rate 2.7 k	Extrapolated # of electrons (this setting/targ) 15.69 k	50k Replay Done ☑

Comments: 144/50k

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SHMS Runsheet

Date: 10 / 15 (16) / 22 Initials: AK / SCA

17601 → Junk

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17602	21:34 Stop:	Ca40		25		
Beam Current μA	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate 0.8	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: cosmic data to ensure if DAQ working properly.

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17603	3:45 Stop: 4:17	Ca40	97.0	1625	6.22k ~~156~~	
Beam Current 60 μA	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k) 1995	Comp. Live time(%) 90.4	DAQ Rate 2600	Extrapolated # of electrons (this setting/targ) 21.91k	50k Replay Done ☒

Comments: Source 50 μA beam @ times 156/50k CODA crashed @ end

17604 = JUNK

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17604	4:21 Stop: 4:50	Ca40	97.8	1625	6.37k	
Beam Current 40-69μA	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k) 1942	Comp. Live time(%) 99.98	DAQ Rate 2500	Extrapolated # of electrons (this setting/targ) 28.28k	50k Replay Done ☒

Comments: 164/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17606	4:52 Stop: 5:19	Ca40	98.10	1625	5.89k	
Beam Current 40-69μA	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k) 1978	Comp. Live time(%) 95.39	DAQ Rate 2273 @ 50μA	Extrapolated # of electrons (this setting/targ) 34.17k	50k Replay Done ☒

Comments: 149/50k ; unstable beam

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17607	5:20 Stop: 5:45	Ca40	97.87	1625	6.54k	
Beam Current 40-69μA	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k) 1984	Comp. Live time(%) 95.53	DAQ Rate 2275 @ 50μA	Extrapolated # of electrons (this setting/targ) 40.71k	50k Replay Done ☒

Comments: 165/50k

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SHMS Runsheet

Date: 10 / 16 / 22 Initials: SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17608	Start: 5:46 Stop: 6:05	Ca40	97.99	1625	7K	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1981	96.71	2050 @45μA	47.7K	☒

Comments: 179e/50K, most run @ 45μA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17609	Start: 6:06 Stop: 6:11	Ca40	97.84	1625	2K	
Beam Current	PS1: 7 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		779	94.34	2612	2K	☒

Comments: 3/4 ; 132e/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17610	Start: 6:55 Stop: 7:12	Ca-48	98.08	1625	6.2K	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		1894	97.87	2217	6.2K	☒

Comments: 169e/50K ; 50nA @ end of run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17611	Start: 7:13:39 Stop: 7:19:08	Ca-48	97.41	1625	2K	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		680	90.50	2890	8.2K	☒

Comments: Q1 tripped, short run, Q1 Vacuum Interlock
151e/50K

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17612	Start: 11:22 Stop: 11:42	Ca48	98	1625	5.76	
Beam Current	PS1: -1 PS4: -1 PS2: 2 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30-46 μA		2000 k	98.4	2.7 kHz	14.	☒

Comments: 7

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SHMS Runsheet

Date: 10 / 17 / 22 Initials: RM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17613	11:42 / 12:04	Ca48	97.1%	1625	6.4k	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
46 μA		3,200k	91.4%	2.7 kHz	20.4k	☑

Comments: At 55μA, the S2Y rate is 1.25MHz, which is a little high.

17614 was a CODA crash

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17615	12:08 / 12:25	Ca48	96.9%	1625	6.3 k	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2575k	92.1%	3.1 kHz	26.7 k	☑

Comments: Decided to reduce to 50μA because of scintillator rate. Also, run 17614 was a CODA crash.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17616	12:25 / 12:50	Ca48	97.4%	1625	5.8 k	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		3300k	90.0%	3.1 kHz	32.5 k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17617	12:51 / 13:10	Ca48	96.4%	1625	5.6	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
52 μA		2M	88.2	3.1 kHz	38.1	☑

Comments: stats are more than this because we sometimes exceeded 2.0 Million events.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17618	13:12 / 13:37	^{12}C	98.1%	1625	6.8 k (*)	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1692k	98.4%	1.7	6.8 k	☑

Comments: Switched to carbon target here.
→ Not very stable. Go back to 50μA.
Stopped a little early to reduce PS2.
(*) Extrapolating to actual # events now.

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17619	Start: 13:39 Stop: 13:50	^{12}C	98.5	1625 *	~4	
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 6 PS3: -1 / PS4: -1 PS5: -1 PS6: -1	1.2M	90.4	3.1kHz	~10.8	☑

Comments: Decided to reduce prescale for T2.
* start with EDTM @ 1625. Yellow alarm. need 825 will adjust for next run.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17620	Start: 13:52 Stop: 14:14	^{12}C	98.1	825	observed in 50k analysis 213 → 10.2k	
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS2: 6 PS3: -1 / PS4: -1 PS5: -1 PS6: -1	2400	79.3 !	3kHz	21k	☑

Comments: Went back to 60μA, then 50μA ...

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17621	Start: 14:15 Stop: 14:40	^{12}C	98.2	825	216 → 10.6k	
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 6 PS3: -1 / PS4: -1 PS5: -1 PS6: -1	2500k	90.2	3kHz	31.6k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17622	Start: 14:41 Stop: 14:56	^{12}C	98.7	825	187 → 9k	
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 6 PS3: -1 / PS4: -1 PS5: -1 PS6: -1	2400	90.7	3.2kHz	40.6k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17623	Start: 14:56 Stop:	^{12}C	98.4	825	188 → 11k	
Beam Current	**PS1/PS2/PS3 / PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 6 PS3: -1 / PS4: -1 PS5: -1 PS6: -1	2920k	90.0	3.1kHz	51.6k	☑

Comments:

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seen in 50k ana

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17624	Start: 15:35 Stop: 15:54	^{12}C	99.2	825	241 → 9.2	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1922k	100	3.2kHz	60.8k	☑

Comments: extrap. from 50k to final # events

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17625	Start: 15:54 Stop: 16:12	^{12}C	99.17	825	8023	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1976k	99.99	3020	68.8k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17626	Start: 16:13 Stop: 16:25	^{12}C	98.99	825	8855	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1925k	98.989	3020	77655	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17627	Start: 16:26 Stop: 16:45	^{12}C	98.45	825	9323	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1872k	99.54	3040	86978	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17628	Start: 16:47 Stop:	^{12}C	98.83	825	1502	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		356k	90.56	3.2k	88480	☑

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17629	Start: 16:47 Stop: 16:52	^{12}C	99.3	425	2631	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
25 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	590k	99.79	2.8k	91,111	☐

Comments: New run started for lower current

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17630	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: Incorrect hi-scale factors

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17631	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: Incorrect EDTM rate

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17632	Start: 16:57 Stop: 17:11	^{12}C	99.47	825	7512 ~~[illegible]~~	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1998k	99.995	2.8k	98,623	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17633	Start: 17:11 Stop: 17:23	^{12}C	99.21	825	1738	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	422k	99.98	2.8k	100,361	☑

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17634	Start: 17:41	^{12}C	98.96	825	8105	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1939k	89.99	2.8k	108,466	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17635	Start: 17:56 Stop: 18:21	^{12}C	98.36	825	8612	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1897k	89.26	2.8k	117,078	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17636	Start: 18:22 Stop: 18:34	^{12}C	98.74	825	8765	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1992k	89.62	3.1k	125,842	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17637	Start: 18:34 Stop: 18:46	^{12}C	99.15	825	8550	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1943k	99.98	3.1k	134,391	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17638	Start: 18:49 Stop: 19:04	^{12}C	98.88	825	8869	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1887k	99.98	3.1k	143,260	☑

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17639	Start: 19:08 Stop: 19:27	^{12}C	98.98	825	7385	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1996k	99.99	2.9k	150,645	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17640	Start: 19:32 Stop: 20:00	^{12}C	99.08	825	7925	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1933k	98.39	3.1k	158,570	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17641	Start: 20:01 Stop:	^{12}C				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1					☐

Comments: Unstable beam so no useful data

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17642	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: Changing current caused incorrect Pr-scale factors

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17643	Start: 20:19 Stop: 20:23	^{12}C	98.96	425		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1		89.99%	4k		☑

Comments: Beam current was changing during the run so had to stop run to keep live time low.

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17644	Start: 20:26 Stop: 20:39	^{12}C	99.18	825	8743	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1909k	99.02	3.1k	167,313	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17645	Start: 20:40 Stop: 20:48	^{12}C	99.02	825	4719	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1210k	99.89	3.1k	172,032	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17646						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: Incorrect EDTM rate

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17647	Start: 20:58 Stop: 21:40	^{12}C	99.55	825		
Beam Current	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1254k	99.99	1.7k		☑

Comments: Ran at a higher Pre-scale setting to be consistent with previous settings based on Shujie's suggestion

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17648	Start: 21:50 Stop: 22:00	B-11				
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1661k		3.8k		☐

Comments: Incorrect Pre-scale factor

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17649						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments: Incorrect hu-scale factors

PS-GUI had frozen for this run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk ?
17650	Start: 22:03 Stop: 22:13	B-11	97.94%	425	198/50k	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1892k	40.34%	3.9k ?		

Comments: Comp. live time is very low for Near 4k rate. Changed PS factor for later runs. Not sure if event rate in CODA window is accurate.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17652	Start: 22:14 Stop: 22:27	B-11	98.21	825	7916	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1912k	81%	3.8k	7916	

Comments: 17651 was a junk run.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17653	Start: 22:27 Stop: 22:46	B-11	99.09	825	8300	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1948k	99.98	3.8k	16,216	

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17654	Start: 22:46 Stop: 22:59	B-11	98.74	825	7334	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		1900k	99.98	4.1k	23,550	

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17655	Start: 23:00 Stop: 23:11	B-11	99.15	825	6987	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1930k	99.98	3.8k	30,536	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17656	Start: 23:11 Stop: 23:22	B-11	98	825	8046	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1854k	84.09	4k	38,582	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17657	Start: 23:23 Stop: 23:34	B-11	97.87	825	7491	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1845k	79.32	4k	46,073	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17658	Start: 23:35 Stop: 23:44	B-11	97.91	825	7194	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1889k	78.94	4.1k	53,267	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17659	Start: 23:44 Stop: 23:57	B-11	98.12	825	5045	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1274k	79.69	4.1k	58,312	☑

Comments:

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SHMS Runsheet

Date: 10 / 18 / 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17660	Start: 2357 Stop: 1127	B-11	98.73	825	8318	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		2019835	96	4.1k	66630	

Comments: 206/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17661	Start: 1214 Stop: ~~1309~~ 0013	B-11	~~97.82~~ 98.18	825	416	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		100k	~~84.61~~ 98.40	3.7k	67046	

Comments: Stopped early to switch to B10 ~~214/50k~~

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17662	Start: ~~1743~~ 0017 Stop: ~~2710~~ 0029	B10	97.82	625	8560	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		200k	84.61	3.7k	8560	

Comments: ~~191/50k~~ 214/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17663	Start: 0031 Stop: 0047	B10	99.03	825	7640	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		2013k	99.98	3.7k	15280	

Comments: ~~210/50k~~ 191/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17664	Start: 0048 Stop: 5935	B10	98.56	825	8400	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		2026k	98.89	3.8k	23680	

Comments: 210/50k

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SHMS Runsheet

Date: 10/ 18/ 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17665	0100 / 0116	B10	98.19	825	8103	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2015704	85.12	3.8k	31783	☒

Comments: 201/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17666	0117 / 0132	B10	98.25	825	8325	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2040481	84.83	3.7k	40108	☒

Comments: 204/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17667	0132 / 0145	B10	98.81	825	8851	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2011601	86.93	3.8k	48595	☒

Comments: 220/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17668	0145 / 0206	B10	99.21	825	7650	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2013160	99.98	3.8k	56609	☒

Comments: 190/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17669	0207 / 0226	B10	99.00	825	9308	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2486847 ~~2440k~~	99.89	3.7k	65917	☒

Comments: 187/50k

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SHMS Runsheet

Date: 10 / 18 / 22 Initials: SAS / SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17670	0226 / 0240	B10	98.05	825	9224	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2217311	85.22	3.8k	75141	☒

Comments: 208/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17671	0240 / 0257	B10	98.43	825	9341	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2123101	84.81	3.7k	84483	☒

Comments: 220/50k

> Message "Detected disconnected component in the system" → Reset and run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17672	0259 / 0305	B10	98.38	825	4838	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1094621	88.93	3.8k	87321	☒

Comments: 221/50k

Stopped Early to move to Sn, Same message as in run 17671

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17673	0313 /	Sn	98.17	825	6587	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2008280	92.51	3.1k	~~95308~~ 6,587	☒

Comments: 164/50k

Same message as run 17672 kcoda, stop coda to resolve

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17674	19:58 / 20:16	Sn	98.66	825	5555	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1942k	95.63	2.5k	12142	☒

Comments:

Slow start waiting for beam trip resolution and EDTM rate verification after CODA restart. ARC 9 trip

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SHMS Runsheet

Date: 10 /18 /22 Initials: AS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17675	20:20 / 20:50	Sn	98.72	825	5547	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1912k	99.98	2.5 kHz	17,690	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17676	20:51 / 21:05	Sn	98.36	825	6160	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1889k	93.72	2.4k	23,850	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17677	21:07 / 21:27	Sn	98.72	825	6,413	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1955k	93.85	2.4k	30,264	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17678	21:27 / 21:43	Sn	98.26	825	6,164	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1938k	93.78	2.4k	36,428	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17679	21:44 / 22:04	Sn	98.54	825	5,813	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1887k	99.99	2.4k	42,242	☑

Comments:

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SHMS Runsheet

Date: 10 / 18 / 22 Initials: AS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17680	Start: 22:06 Stop: 22:30	Sn	98.45	825	6753	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1888k	93.39	2.4k	48,996	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17681	Start: 0151 Stop: 0206	Ti	99.35	~~425~~ 825	7161	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1989301	99.98	3.0k	7161	☒

Comments: Did not change EDTM for this run → Setting should be 425
180/50k ~~Failed to change target in CODA End of Run~~

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17682	Start: 0206 Stop: 0221	Ti	99.27	425	9320	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1991663	90.65	2.9k	16482	☒

Comments: 234/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17683	Start: 0222 Stop: 0236	Ti	99.15	425	7795	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1988694	90.04	2.9k	24278	☒

Comments: 196/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17684	Start: 0240 Stop: 0301	Ti	99.00	425	8313	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1998415	93.09	2.9k	32591	☒

Comments: 208/50k

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Date: 10 / 19 / 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17685	0301 / 0318	Ti	99.25	425	8312	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 -1 5 -1 -1 -1	1998157	90.01	2.9k	40903	☒

Comments: 208/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17686	0319 / 0331	Ti	99.18	425	9563	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 -1 5 -1 -1 -1	2000741	89.46	3.0k	50467	☒

Comments: 239/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17687	0335 / 0350	Ti	99.41	425	9364	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 -1 5 -1 -1 -1	2071850	99.72	2.9k	59832	☒

Comments: 226/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17688	0351 / 0410	Ti	98.95	425	8871	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 -1 5 -1 -1 -1	1945518	91.65	2.9k	68703	☒

Comments: 228/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17689	0411 / 0425	Ti	99.20	425	8131	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 -1 5 -1 -1 -1	1992902	~~86~~ 89.66	3.0k	76834	☒

Comments: 204/50k

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Date: 10 / 19 / 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17690	0425 / 0440	Ti	98.88	425	7722	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		2000651	90.165	3.0k	84557	

Comments: 193 Evt / 50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17691	0441 / 0453	Ti	99.28	425	6262	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		1423383	90.91	3.0k	90820	

Comments: 220/50k Ended Early to switch to Fe

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17692	0457 / 0524	Fe	98.76	825	9524	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		2097856	94.55	2.3k	9524	

Comments: 227/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17693		Fe		825		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments: Failed Start CODA → Restart (kcoda, startcoda)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17694	0506 / 0553	Fe	99.24	825	10033	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		2073097	99.99	2.3k	19558	

Comments: 242/50k

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SHMS Runsheet

Date: 10/19/22 Initials: SAS/SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17695	0554 / 0615	Fe	98.74	825	8234	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1998727	95.32	2.3k	27792	☒

Comments: 206/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17696	0617 / 0629	Fe		825		
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA				2.3k		☐

Comments: Beam very inconsistent. Date rate appeared to only have EDTM, restarted CODA, Bad end state (log 4062891) kcoda, startcoda

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17697	0636 / 0713	Fe	98.94	825	8655	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2100856	96.10	2.3k	36448	☒

Comments: 203/50k

← Log 4063049

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17698	0713 / 0719	Fe	99.21	825	2908	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		812293	99.99	2.3k	39356	☒

Comments: 179/50k INTERLOK - ENDED EARLY | MCC Has difficulty sending more than 50 μA (for this run). Magnet interlock SHMS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17699	8:40 / 9:50	Fe	—	25		
Beam Current	PS1: -1 PS4: - PS2: 0 PS5: - PS3: -1 PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
— μA			—			☐

Comments: COSMICS, CODA CHECK

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SHMS Runsheet

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17700	Start: 9:51	Fe				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
— μA	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –					

Comments: EDTM = 0 (BM's request), Connie, Coda check

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17701	Start: 22:44	Fe	99.39%	825		☑
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1		99.99%	1.5 kHz		

Comments: Needs evaluated - Actual events over full run very low. 202/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17702	Start: 0212 Stop: 0232	Fe	99.22	825	7685	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1980657	99.91	2.2k	47041	

Comments: 194/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17703	Start: 0233 Stop: 0238	Fe	98.72	825	2030	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	497688	94.39	2.4k	49071	

Comments: 204/50k Stop Early - Move to Ag

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17704	Start: 0243 Stop: 0256	Ag	97.91	825	6921	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	2011985	85.17	3.6k	6921	

Comments: 172/50k

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17705	0257 / 0307	Ag	97.85	825	5985	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1995223	86.29	3.6k	12907	☒

Comments: 150/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17706	0308 / 0320	Ag	97.91	825	6367	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2002466	86.04	3.6k	19275	☒

Comments: 159/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17707						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: CODA Crash → kcoda, stritcoda to recover

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17708	0323 / 0338	Ag	97.94	825	6309	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1996715	90.59	3.6k	25584	☒

Comments: 158/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17709						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: CODA Crash → kcoda, strit coda to recover

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17710	0341 / 0355	Ag	97.86	825	6254	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2057312	89.51	3.6k	31839	☒

Comments: 152/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17711	0355 / 0406	Ag	98.07	825	5339	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1992128	85.34	3.5k	37177	☒

Comments: 134/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17712	0407 /	Ag	98.03	825	6445	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1918265	85.82	3.6k	45623	☒

Comments: 168/50k Moving to Th

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17713	0424 / 0447	Th	98.26	825	3801	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1462023	93.15	2.5k	3801	☒

Comments: 130/50k Stopped Early – Beam trips in Hall B need resolved by MCC

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17714	5:29 / 0538	Th	98.66	425	6037	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		2053532	86.86	3.6k	9839	☒

Comments: 147/50k Switch to 45 to accommodate Hall A Beam work (Harp scans)

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Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17715	Stop:	Th				
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: DAQ CODA Crash, kcoda, stat/coda recover.

Run #	Start: 0543	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17716	Stop:	Th	98.94	425	6496	
Beam Current 45 μA	PS1: -1 PS4: -1 PS2: -6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 2150898	Comp. Live time(%) 90.64	DAQ Rate 3.6k	Extrapolated # of electrons (this setting/targ) 16334	50k Replay Done ☒

Comments: 151/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17717	Stop:	Th				
Beam Current 45 μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: CODA Crash, kcoda, stat/coda to recover

Run #	Start: 0557	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17718	Stop: 0609	Th	98.85	425	5797	
Beam Current 45 μA	PS1: -1 PS4: -1 PS2: -5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 1985133	Comp. Live time(%) 90.93	DAQ Rate 3.5k	Extrapolated # of electrons (this setting/targ) 22131	50k Replay Done ☒

Comments: 146/50k

Run #	Start: 0609	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17719	Stop:	Th	98.72	425	8128	
Beam Current 45 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 2322296	Comp. Live time(%) 85.87	DAQ Rate 3.6k	Extrapolated # of electrons (this setting/targ) 30259	50k Replay Done ☒

Comments: 175/50k Hall A finished w/ Harp scans. Back to 60μA

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17720	Start: 0622	Th	98.52	425	~~509.5~~ 509	☒ Data ok ☒ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	164354	97.67.43	2.3k	30768	☒

Comments: Beam trip ~~[illegible]~~ (long) on startup 155/50k (164354 evts)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17721	Start: 0630 Stop: 0701	Th	98.44	825	5993	☒ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	2010906	94.73	2.4k	36761	☒

Comments: 149/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17722	Start: 0702 Stop: 0742	Th	99.47	825	5493	☒ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
~~60~~ 50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	2004818	99.99	2.1k	42254	☒

Comments: 137/50k Current set to 50k as MCC working on Beam delivery

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17723	Start: 0744 Stop: 0750	Th	—	825	—	☒ Data ok ☒ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	143	—	2.0k	—	☐

Comments: CODA Crash - Bad End State. Events suspect, likely dmk. kcoda, startcoda recover

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17724	Start: 0752 Stop: 8:08	Th	98.43	825	5845	☒ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	1.9M	97.15	2.1k	48099	☒

Comments: 153/50k

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17725	Start: 8:10 Stop: 8:22	Th	98.9	825	4543	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 6	1.3M	95.5	2K	52643	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17726	Start: 8:24 Stop: 8:30	Th	98.5	825	321	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 6	99K	99.9	2K	52964	☒

Comments: Not much beam after first 80k events

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17727	Start: 8:35 Stop: 8:37	Th	98.5	825	544	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 6	200k	97.3	2K	53508	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17728	Start: 8:44 Stop: 8:51	Ni-58	99.2	825	2250	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 6	509111	99.9	1.2K	2250	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17729	Start: 8:53 Stop: 9:04	Ni-58	99	425	6070	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	1.3M	99	2.4K	8320	☒

Comments: Trying to ramp up to 60μA, only getting to 55μA

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17730	Start: 9:06 Stop: 9:19	Ni58	99.0	425	8833	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 5	1.9M	91.2	2.9K	17154	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17731	Start: 9:21 Stop: 9:35	Ni58	99.1	425	5898	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 5	1.2 M	90.9	2.9K	23052	☒

Comments: Tripping beam, hall A wants more current, reducing current to hall c

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17732	Start: 9:36 Stop: 9:50	Ni58	99.2	425	8007	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	1.6M	97.2	2.2K	31059	☒

Comments: Back down to 45 μA :)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17733	Start: 9:51 Stop: 10:09	Ni58	99.3	425	7953	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	1.7M	99.9	2.2K	39013	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17734	Start: 10:13 Stop: 10:32	Ni58	99.6	425	8109	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	1.9M	99.7	2.2K	47122	☒

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17735	Start: 10:33 Stop: 10:52	Ni 58	99.2	425	9174	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	2.2M	93.8	2.2K	56297	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17736	Start: 10:53 Stop: 11:09	Ni 58	99.5	425	8996	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	1.9M	95.8	2.2K	65293	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17737	Start: 11:10 Stop: 11:31	Ni 58	99.4	425	8881	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	2.1M	99.9	2.2K	74174	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17738	Start: 11:32 Stop: 11:51	Ni 58	99.4	425	9824	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	2.1M	94.0	2.2K	83999	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17739	Start: 11:52 Stop: 12:10	Ni 58	99.3	425	8430	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS2: 5	1.9M	99.9	2.2K	92429	☒

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17740	Start: 12:15 Stop: 12:31	Ni 64	99.4	425	8887	
Beam Current	PS1: PS4: PS2: [redacted]5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2.1M [redacted]	93.1	2.6K	8887	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17741	Start: 12:34 Stop: 12:50	Ni 64	98.9	425	8550	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2.1M	93.6	2.6K	17437	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17742	Start: 12:51 Stop: 12:59	Ni 64	98.9	425	4831	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		962K	[redacted]94.0	2.6K	22269	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17743	Start: 13:02 Stop: 13:14	Ni 64	99.2	425	6016	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.2M	93.9	2.6K	28286	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17744	Start: 13:15 Stop: 13:19	Ni 64	99.2	425	[redacted]2699	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		610K	93.8	2.6K	30985	☒

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17745	Start: 13:21 Stop: 13:37	Ni-64	99.2	425	9032	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	1.9M	93.5	2.6K	40018	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17746	Start: 13:38 Stop: 13:56	Ni64	99.3	425	9953	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	2.1M	93.9	2.6K	49971	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17747	Start: 13:57 Stop: 14:14	Ni64	99.2	425	6276	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	1.3M	93.4	2.6K	56248	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17748	Start: 14:22 Stop: 14:37	Ni 64	99.0	425	10355	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	2.1M	93.3	2.6K	66603	☒

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17749	Start: 14:38 Stop: 14:56	Ni 64	99.4	425	8373	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	1.8M	99.9	2.6K	74977	☒

Comments: hodo 2x+ ped looks bad, making log post

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17750	Start: 14:58 Stop: 15:00	Ni-64	—	425	—	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	3K	—	2.6K	—	☑

Comments: All BCM; they started playing w/ Beam

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17751	Start: 17:37 Stop:	Ni-64	99.29	425	8419	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 5 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1985756	93.46	2.6K	83397	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17752	Start: 17:54 Stop: 18:09	Ni-64	99.11	425	8588	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 5 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1969746	93.47	2.6K	91985	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17753	Start: 18:09 Stop: 18:23	Ni-64	99.26	425	9408	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 5 PS3: -1 PS4: -1 PS5: -1 PS6: -1	2018957	94.1	2.6K	101393	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17754	Start: 18:24 Stop: 18:39	Ni-64	99.11	425	8214	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 5 PS3: -1 PS4: -1 PS5: -1 PS6: -1	2003536	94.08	2.6	109608	☐

Comments:

S1 → S2

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17755	Start: 18:58 Stop: 19:08	Home		425		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
66 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1					

Comments: Bcm calibration only ~66 μA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17756	Start: 19:10 Stop: 20:10	Home		425		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA	PS1: -1 PS4: PS2: 5 PS5: PS3: -1 PS6:					

Comments: Bcm calibration missing zero before 66
Almost two full scans

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17757	Start: 20:18 Stop: 20:36	Ni-64	99.21	425	11026	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	2418445	94.14	2.6K	120634	

Comments: production

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17758	Start: 20:37 Stop: 20:55	Ni 64	99.37	425	10685	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	2508267	94.24	2.6K	131319	

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17759	Start: 20:56 Stop:	Ni 64	99.34	425	8846	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	2019640	95.20	2.6K	140165	

Comments:

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Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17760	21:10 Stop:	Ni 64	99.20	425	10651	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2431830	95.50	2.6K	150817	☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17761	21:26 Stop: 21:44	Ni 64	99.18	425	10574	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2554184	93.76	2.6K	161391	☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17762	21:44 Stop:	Ni 64	99.23	425	8431	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1988343	93.17	2.6K	169822	☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17763	21:59 Stop: 22:13	Ni 64	99.11	425	8817	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1794078	93.55	2.6K	176639	☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17764	22:23 Stop: 22:37	Ni 58	99.20	425	8781	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1995681	90.43	2.9K	~~933210~~ 101210	☑

Comments: Back to Ni 58

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17765 ~~17768~~	Start: 22:38 Stop: 22:52	Ni58	99.41	425	8861	☑ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2119917	99.98	2.97	~~992071~~ 110071	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17766	Start: 22:52 Stop: 23:17	Ni58	99.44	425	9264	☑ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2293026	97.37	2.98	119,355	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17767	Start: 23:17 Stop: 23:36	Ni58	99.00	425	8917	☑ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2008233	90.97	2.9	128252	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17768	Start: 23:36 Stop: 00:31	Ni58	99.58	425		☑ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2379251	99.99	2.9		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17769	Start: Stop:					☐ Data ok ☒ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA		0				☐

Comments: CODA Crash, kcoda stop/coda recover

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17770	0033 / 0048	Ni 58	99.00	425	9107	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1971303	93.78	2.9k	146495	☒

Comments: 231 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17771	0049 / 0106	Ni 58	99.32	425	9630	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2121170	90.55	2.9k	156125	☒

Comments: 227 / 50k Target to Th

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17772	0110 / 0130	Th	98.77	825	6371	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1990967	99.99	2.6	59880	☒

Comments: 160 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17773	0130 / 0144	Th	98.36	825	6462	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1982235	95.23	2.5k	66342	☒

Comments: 163 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17774	0144 / 0159	Th	98.32	825	7211	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2133356	93.39	2.6k	73553	☒

Comments: 169 / 50k

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17775	0159 / 0215	Th	98.18	825	5630	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 6	1996306	94.41	2.5k	79182	☒

Comments: 141/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17776	0216 / 0246	Th	98.94	825	7289	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 6	1980869	99.99	2.3k	86472	☒

Comments: 184/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17777	0246 / 0258	Th	98.53	825	4065	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 6	1431508	94.57	2.5k	90538	☒

Comments: 142/50k Ended early - Target to Ag

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17778	0302 / 0321	Ag	99.59	825	5841	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 6	2014348	85.96	3.4k	49464	☒

Comments: 145/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17779	0322 / 0335	Ag	98.03	825	6093	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 6	2325381	85.83	3.4k	55556	☒

Comments: 131/50k

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17780	0336 / 0352	Ag	98.06	825	6137	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2145636	86.27	3.5k	81693	☒

Comments: 143/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17781	0352 / 0428	Ag	97.70	825	6830	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2044937	85.65	3.5k	68523	☒

Comments: 167/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17782	0424 / 0426	Ag		825		
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~~60~~ 50 μA				2.9k		☐

Comments: Hall A taking beam – Hall C current reduced for stability
CODA running – Not taking data. Junk. kcoda, start coda recovery

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17783	0428 / 0454	Ag	98.77	825	64667	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~~5~~ 50 μA		1995896	99.99	3.0k	74990	☒

Comments: 162/50k Moving to Fe

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17784		Fe		~~425~~ 825		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
~~50~~ 40 μA				~~3.0~~ 1.5k		☐

Comments: Failed to change EDTM to match max current available (40μA)

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 01 / 22 Initials: SJS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17785	0501 / 0516	Fe	99.13	425	8948	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1988359	90.17	3.0k	58019	☒

Comments: 225/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17786	0516 / 0555	Fe		425		
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA						☐

Comments: All EDTM waiting for beam - Junk

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17787	0545 / 0600	Fe	99.45	425	8870	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2072497	97.55	3.7k	66889	☒

Comments: 214/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17788	0601 / 0612	Fe	99.26	425	8989	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2052275	90.32	3.8k	75879	☒

Comments: 219/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17789	0613 / 0635	Fe	98.94	425	8835	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2064~~308~~332	86.05	3.7k	84714	☒

Comments: 214/50k

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/ 21/ 22 Initials: SAS / SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17790	0635 / 0652	Fe	99.29	425	10917	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 5	2492494	99.98	3.8k	95631	☒

Comments: 219/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17791	0652 / 0719	Fe	99.26	825	8368	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 6	2011539	99.97	2.2k	103999	☒

Comments: Back to 60 μA, change PS 208/50k
Target change to Ti

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17792	0731 / 8:02	Ti	99.28	825	10615	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS2: 6	2114665	99.99	2.2k	114614	☒

Comments: ~~208/50k~~ Some delay waiting for beam to become stable
251/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17793	8:03:55 / 8:37	Ti	99.3	825	8617	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS1: – PS2: 6 PS3: – PS4: – PS5: – PS6: –	2143618	99.99	2239	123231	☒

Comments: 201/50k CODA and Run RC crashed Reset did not work

17794 → CODA CRASH @ START KCODA SCODA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17795	8:40:12 / 9:13:30	Ti	99.13	825	10796	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS1: – PS2: 6 PS3: – PS4: – PS5: – PS6: –	2442525	99.95	1427	134027	☒

Comments: PScaler gui was frozen, restarted it 1.4k seems to be the correct PS for this target/current (not 2.2k).
221/50k

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 21 / 22 Initials: SCD

Run #	Start: 9:14:19 Stop: 9:32:20	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17996		Ti	99.91	825	5576	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		1340523	99.99	1397	139603	☒

Comments: 208/50K

Run #	Start: 9:42:30 Stop: 10:00	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17997		Sn	98.49	825	5722	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2073227	97.57	2498	5722	☒

Comments: 138R/50K CODA CRASH @ END
RESET WORKED

Run #	Start: 10:00:12 Stop: 10:15:15	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17998		Sn	98.38	825	5865	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2205035	93.55	2565	11587	☒

Comments: 133R/50K

Run #	Start: 10:16:08 Stop: 10:30:59	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17999		Sn	98.30	825	6491	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2149214	96.03	2509	18078	☒

Comments: 151R/50K

Run #	Start: 10:31:52 Stop: 10:47:45	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17800		Sn	98.75	825	6000	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1973542	97.97	2546	24078	☒

Comments: 153R/50K CODA CRASH @ END of Run

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SHMS Runsheet

Date: 10 / 21 / 22 Initials: SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17801	Start: 10:49:49 Stop: 11:00:55	Sn	98.28	825	4569	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1554119	99.87	2593	28647	☒

Comments: 147e/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17802	Start: 11:08:56 Stop: 11:34:51	B-10	98.81	825	7826	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2138191	99.98	3124/50μA	7826	☒

Comments: 183e/50K tippy beam 3636/50μA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17803	Start: 11:36:21 Stop: 11:44:37	B-10	98.37	1625	1625	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55-60μA		427644	97.74	1901	9451	☒

Comments: 190e/50K SHORT RUN, MCC downgraded ~~to~~ 50μA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17804	Start: 11:46:52 Stop: 12:01:03	B10	98.16	825	7007	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60-~~70~~μA		2001921	83.41	3727/3117	16458	☒

Comments: 60μA during Hall A MMR, 50μA rest of time
175e/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17805	Start: 12:01:55 Stop: 12:15:15	B10	98.63	825	8165	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1944169	92.88	3147	24623	☒

Comments: 210e/50K

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 21 / 22 Initials: SCA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17806	Start: 12:16:02 Stop: 12:31:11	B10	99.11	825	8725	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2 019 724	90.39	3152	33 348	☒

Comments: 216e/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17807	Start: 12:32:00 Stop: 12:43:25	B10	98.39	825	8872	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1 971 581	88.86	3091	42 220	☒

Comments: 225e/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17808	Start: 12:44:21 Stop: 12:56:18	B10	98.72	825	6774	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2 603 120	95.94	3108	50 994	☒

Comments: 219e/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17809	Start: 12:57:06 Stop: 13:09:58	B10	99.28	825	10 268	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2 175 395	99.98	3127	61 262	☒

Comments: 236e/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17810	Start: 13:10:45 Stop: 13:19:48	B10	98.56	825	4391	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1 086 940	89.08	3126	65 653	☒

Comments: 202e/50K Done with B10 -> stopped run early

E12-10-008/E12-06-105 Date: 10 / 21 / 22 Initials: SCA

SHMS Runsheet

Run #	Start: 13:26:00 Stop: 13:46:20	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17811		B11	98.41	1625	8228	
Beam Current	PS1:– PS4:– PS2:7 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1 870 012	98.83	1811	8228	☒

Comments: 220e/50k

Run #	Start: 13:47:17 Stop: 14:07:54	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17812		B11	98.06	1625	8186	
Beam Current	PS1:– PS4:– PS2:7 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1 996 619	98.97	1759	16414	☒

Comments: 205e/50K

Run #	Start: 14:08:43 Stop: 14:36:08	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17813		B11	98.77	1625	8119	
Beam Current	PS1:– PS4:– PS2:7 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1 914 858	96.14	1765	24 533	☒

Comments: 212 e/50K

Run #	Start: 14:37:03 Stop: 14:59:48	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17814		B11	98.97	1625	6716	
Beam Current	PS1:– PS4:– PS2:7 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1 987 068	99.99	1746	31 249	☒

Comments: 169e/50K CODA failed end of run; Reset

Run #	Start: 15:01:54 Stop: 15:09:24	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17815		B11	98.26	1625	1977	
Beam Current	PS1:– PS4:– PS2:7 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		486 947	98.24	1736	33226	☒

Comments: 203e/50K Coda ~~crashed~~ failed end of run

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SHMS Runsheet

Date: 10 / 21 / 22 Initials: SCD

Run #	Start: 15:27:51 Stop: 15:34:35	Target: C	E SING FID. EFF. 98.74	EDTM Rate 825	Extrapolated # of electrons (this run) 7581	☒ Data ok ☐ Junk
17816						
Beam Current 50-60 μA	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k) 1746 800	Comp. Live time(%) 92.76	DAQ Rate 3143/3.6K	Extrapolated # of electrons (this setting/targ) 7581	50k Replay Done ☒

Comments: 217 e/50K 60μA @ end of run @60μA

Run #	Start: 15:35:48 Stop: 16:12	Target: C	E SING FID. EFF. 99.09	EDTM Rate 1625	Extrapolated # of electrons (this run) 7667	☒ Data ok ☐ Junk
17817						
Beam Current 50-60 μA	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k) 1956 K	Comp. Live time(%) 99.99	DAQ Rate 1903	Extrapolated # of electrons (this setting/targ) 15248	50k Replay Done ☒

Comments: 196 e/50K

Run #	Start: 16:13 Stop: 16:24	Target: C	E SING FID. EFF. 98.9	EDTM Rate 1625	Extrapolated # of electrons (this run) 2814	☒ Data ok ☐ Junk
17818						
Beam Current 50-60 μA	PS1: 1 PS4: 1 PS2: 7 PS5: 1 PS3: 1 PS6: 1	CODA Events (k) 648 K	Comp. Live time(%) 99.99	DAQ Rate 1816	Extrapolated # of electrons (this setting/targ) 18062	50k Replay Done ☒

Comments: 217/50K

Run #	Start: 16:26 Stop: 19:57	Target: C	E SING FID. EFF. 99.14	EDTM Rate 1625	Extrapolated # of electrons (this run) 4465.	☒ Data ok ☐ Junk
17819						
Beam Current 50-60 μA	PS1: 1 PS4: PS2: 7 PS5: 1 PS3: 1 PS6:	CODA Events (k) 1122 K	Comp. Live time(%) 99.99	DAQ Rate 1590	Extrapolated # of electrons (this setting/targ) 22527	50k Replay Done ☒

Comments: 199/50k (long time beam ~~[illegible]~~ off)

Run #	Start: 19:58 Stop: 20:22	Target: C	E SING FID. EFF. 98.62	EDTM Rate 1625	Extrapolated # of electrons (this run) 8470	☒ Data ok ☐ Junk
17820						
Beam Current 50 μA	PS1: 1 PS4: PS2: 7 PS5: 1 PS3: 1 PS6:	CODA Events (k) 1925	Comp. Live time(%) 99.99	DAQ Rate 1588	Extrapolated # of electrons (this setting/targ) 30997	50k Replay Done ☒

Comments: 220/50K

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SHMS Runsheet

Date: 10 /21 / 22 Initials: AK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17821	Start: 20:23 Stop: 20:44	C	98.62	1625	8646	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: PS5: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1974	99.98	1553	39643	☒

Comments: 219/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17822	Start: 20:45 Stop: 21:00	C	98.72	1625	4121	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: PS5: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		924	99.99	1555	43764	☒

Comments: 223/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17823	Start: 21:02 Stop: 21:25	C	98.81	1625	8532	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: -1 PS5: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1966	99.99	1602	52296	☒

Comments: 217/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17824	Start: 21:25 Stop: 21:53	C	98.94	1625	7604	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: PS5: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50-60 μA		1930	99.99	1583	59900	☒

Comments: 197/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17825	Start: 21:53 Stop: 22:14	C	98.59	1625	6232.	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: PS5: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40-50 μA		1491	99.98	1583	66132	☒

Comments: 209/50k

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SHMS Runsheet

Date: 10 / 21 / 22 Initials: AK/SCd

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17826	Start: 22:16 Stop: 22:55	C	98.16	1625	9084	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: -1 PS5: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2294	97.34	1583	75216	☒

Comments: 198/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17827	Start: 22:55 Stop: 23:16	C	98.44	1625	7266	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: PS5: -1 PS6: 1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1644	99.53	1583	82482	☒

Comments: 221/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17828	Start: 23:18 Stop: 23:47	C	99.19	1625	7079	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: PS5: -1 PS6: 1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1945	99.99	1583	89561	☒

Comments: 182/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17829	Start: 23:48 Stop: 0:08:48	C	98.43	1625	7789	
Beam Current	PS1: -1 PS2: 7 PS3: -1 PS4: PS5: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1786408	99.45	1583	97350	☒

Comments: 218/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17830	Start: 0:10:59 Stop: 0:16:24	C	98.49	1625	1839	
Beam Current	PS1: 7 PS2: - PS3: - PS4: - PS5: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		597164	98.17	1853	99189	☒

Comments: 154e/50K

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Run #	Start: 0:23:18 Stop: 0:41:28	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17831		Ca48	98.31	1625	6803	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2095822	99.98	3100	6803	☒

Comments: 162/50K

Run #	Start: 0:42:24 Stop: 0:57:11	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17832		Ca48	96.49	1625	6880	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50-40 μA		1999889	88.95	3130	13683	☒

Comments: 172e/50K

Run #	Start: 0:57:51 Stop: 1:19:01	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17833		Ca48	97.38	1625	6372	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40-30 μA		2055615	94.72	2432	20055	☒

Comments: 155e/50K

Run #	Start: 1:20:13 Stop: 1:43:35	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17834		Ca48	98.44	1625	6927	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		2013589	99.98	1754	26982	☒

Comments: 172e/50K

Run #	Start: 1:44:22 Stop: 2:05:15	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17835		Ca48	98.04	1625	6330	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		2015973	98.44	1807	33312	☒

Comments: 157e/50K

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Run #	Start: 2:06:02 Stop: 2:13:25	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17836		Ca48	98.10	1625	2346	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		751 963	98.63	1790	35658	☒

Comments: 156e/50k

Run #	Start: 2:18:03 Stop: 2:44:13	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17837		Ca40	97.67	1625	7138	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2 259 008	97.70	1824	7138	☒

Comments: 158e/50k

Run #	Start: 2:45:25 Stop: 3:04:53	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17838		Ca40	98.54	1625	6166	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1 802 986	99.35	1792	13304	☒

Comments: 171e/50k

Run #	Start: 3:05:43 Stop: 3:29:44	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17839		Ca40	98.22	1625	6188	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1 995 988	98.23	1832	19492	☒

Comments: 155e/50k

Run #	Start: 3:30:25 Stop: 3:53:08	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17840		Ca40	98.06	1625	6867	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1 996 304	98.36	1812	26359	☒

Comments: 172e/50k

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17841	3:53:41 / 4:16:26	Ca40	97.97	1625	6586	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1 995 827	98.84	1797	32945	☒

Comments: 165e/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17842	4:16:58 / 4:22:56	Ca40	98.42	1625	2119	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		608 797	99.98	1781	35064	☒

Comments: 174e/50K Coda RC End failed -> Rerun

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17843	4:25:38 / 4:30:50	Ca40	97.97	1625	1427	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		686 223	96.13	2234	36491	☒

Comments: 104/50K Coda RC End failed -> Rerun

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17844	4:36:57 / 5:01:26	Be	96.78	1625	6523	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2025783	87.37	3210	6523	☒

Comments: 161e/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17845	5:02:03 / 5:20:20	Be	98.29	1625	6434	
Beam Current	PS1: – PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
35 μA		1998 096	98.15	1887	12957	☒

Comments: 161e/50K

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Run #	Start: 5:20:55 Stop: 5:30:20	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17846		Be	97.69	1625	3566	
Beam Current	PS1:– PS4:– PS2:7 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1048931	92.69	1820	16523	☒

Comments: 170e/50K

Run #	Start: 5:35:39 Stop: 5:55:45	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17847		Al dummy	99.41	825	8040	
Beam Current	PS1:– PS4:– PS2:6 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2010124	99.99	2029	8040	☒

Comments: 200e/50K Coda RcEnd failed → Reset - failed

17848 = JUNK ⟷ K coda / start coda

Run #	Start: 5:59:20 Stop: 6:19:15	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17849		Al dummy	98.75	825	11283	
Beam Current	PS1:– PS4:– PS2:6 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2212754	97.88	2051	19323	☒

Comments: 255e/50K

Run #	Start: 6:20:07 Stop: 6:40:23	Target: dummy	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17850		Al loose	98.83	825	8765	
Beam Current	PS1:– PS4:– PS2:6 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2001151	97.75	2073	28088	☒

Comments: 219e/50K

Run #	Start: 6:40:58 Stop: 7:08:57	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17851		Al dummy	99.09	825	8308	
Beam Current	PS1:– PS4:– PS2:6 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1959511	97.95	2034	36396	☒

Comments: 212e/50K

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17852	Start: 7:09:35 Stop: 7:32:53	Al dummy	98.96	825	8593	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
35-40 ~~40~~ μA		1998321	97.43	2047	44989	☒

Comments: 215e/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17853	Start: 7:33:34 Stop: 7:52:45	Al dummy	99.33	825	9967	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2017533	99.99	2044	54956	☒

Comments: 247e/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17854	Start: 7:53:21 Stop: ~~7~~8:18	Al dummy	98.87	825	8932	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1976k	97.4	2028	63,888	☒

Comments: 226/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17855	Start: 8:18 Stop: 8:37	Al Sham	98.96	825	9456	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2003k	97.54	2036	73,344	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17856	Start: 8:37 Stop: 8:40	Al Sham	98.84	825	1472	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		320k	97.47	1980	74,816	☑

Comments:

230/50k

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Run #	Start: 9:48 Stop: 10:01	Target: LH_2	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17857			98.16	825	1787	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		1943k	67.38	4.7k	1787	☑

Comments: Actual good electrons from full replay: 1,583

Run #	Start: 10:02 Stop: 10:14	Target: LH_2	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17858			97.91	825	1916	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		2038k	69.17	4.6k	3,703	☑

Comments:

Run #	Start: 10:17 Stop: 10:29	Target: LH_2	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17859			98.53	825	1722	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		2003k	85.82	4.2k	5,426	☑

Comments:

Run #	Start: 10:30 Stop: 10:43	Target: LH_2	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17860			98.03	825	1,217	
Beam Current	PS1: -1 PS4: -1 PS2: 0 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1845k	73.52	4.1k	6,644	☑

Comments:

Run #	Start: 10:49 Stop: 11:00	Target: LH_2	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17861			97.97	825	584	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1217k	78.04	4.2k	7,228	☑

Comments:

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17862	11:06 / 11:19	LD_2	97.40	1625	2784	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	-1 -1 7 -1 -1 -1	1881498	90.23	3k	2784	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17863	11:20 / 11:32	LD_2	97.05%	1625	2134	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	-1 -1 7 -1 -1 -1	1976k	89.47%	3k	4918	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17864	11:32 / 11:47	LD_2	97.08	1625	2936	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	-1 -1 7 -1 -1 -1	1931k	89.13	3k	7854	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17865	11:48 / 12:01	LD_2	98.12	1625	3139	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	-1 -1 7 -1 -1 -1	1987k	99.98	3k	10,993	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17866	12:01 / 12:16	LD_2	96.99	1625	2306	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1951k	90.03	3k	13,300	☑

Comments:

17867 - Was junk run because CODA crashed

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17868	12:19 / 12:31	LD_2	96.96	1625	2732	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	-1 -1 7 -1 -1 -1	1951k	92.74	3k	16,031	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17869						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: hu-scale GUI & CODA not giving correct readouts

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17870	12:40 / 12:56	LD_2	96.96	1625	2,561	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	-1 -1 7 -1 -1 -1	1970k	91.32	3.1k	18,593	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17871	12:57 / 13:12	LD_2	98.54	1625	2467	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	-1 -1 7 -1 -1 -1		99.99	3k	21061	☑

Comments: 17872 was junk run because CODA crashed

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17873	13:16 / 13:38	LD_2	97.57	1625	2477	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	-1 -1 7 -1 -1 -1	2030k	92.88	3.1k	23538	☑

Comments:

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SHMS Runsheet

Date: 10 / 22 / 22 Initials: AS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17874	Start: 13:38 Stop: 13:51	LD_2	97.21	1625	2502	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1985k	88.56	3k	26040	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17875	Start: 13:51 Stop: 14:07	LD_2	97.18	1625	2290	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1660k	89.67	3k	28331	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17876	Start: 14:07 Stop: 14:19	LD_2	97.21	1625	2882	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		2030k	88.28	3.1k	31214	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17877	Start: 14:20 Stop: 14:33	LD_2	96.85	1625	2595	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		2028k	90.19	3k	33810	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17878	Start: 14:34 Stop:	LD_2				
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA						☐

Comments: CODA crashed

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/22/22 Initials: AS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17879	Start: 14:37 Stop: 14:49	LD_2	97.04	1625	2414	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1979k	92.94	3k	36224	☑

Comments: 178~~80~~80 was junk run because CODA crashed

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17880	Start: 14:52 Stop: 15:04	LD_2	97.19	1625	2641	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1860k	91.32	3k	38866	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17882	Start: 15:05 Stop: 15:18	LD_2	96.90	1625	2753	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA			88.97	3.1k	41618	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17883	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA						☐

Comments: CODA crashed

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17883	Start: 15:20 Stop: 15:33	LD_2	97.28	1625	2844	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1922k	92.93	3.1k	4463	☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 22 / 22 Initials: AS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17884	Start: 15:33 Stop: 15:47	LD_2	96.83	1625		
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		2186k	89.85	3k		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17885	Start: 15:48 Stop: 15:59	LD_2	97.34	1625	1,506	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1255k	88.34	3k	45,969	☑

Comments: 60 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17886	Start: 16:01 Stop: 16:14	LD_2	97.01	1625	2544	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1987605	89.35	3k	48 513	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17887	Start: 16:15 Stop:	LD2	97.52	1625	3154	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1944 9059	90.37	3k	51668	☑

Comments: coda crashed at stop

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17888	Start: 16:36 Stop: 16:47	LD2	96.69	1625	2909	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA		1965465	90.83	3K	54577	☑

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/22/22 Initials: JRS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17889	Start: 16:49 Stop: 17:00	LD2	97.15	1625	2671	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	1963938	89.86	3K	57248	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17890	Start: 17:02 Stop: 17:15	LD2	97.42	1625	3086	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	2004301	90.54	3K	60334	☑

Comments: Crashed when run ended. Had to reboot ROC 6
HMS was changing momentum during this run.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17891	Start: 17:23 Stop: 17:47	LD2	97.33	1625	3333	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	2451049	92.87	3K	63668	☑

Comments: HMS changes completed during this run ~ 17:31
HMS now ~5.36 GeV Setting 3 ↓

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 22 / 22 Initials: DRS

Configuration Name: 0.1.3 #3
2N SRC el-real setting 3
HMS now -5.36 GeV

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2 mm²

E_{beam}: 10542 GeV

Beam position and angle on target:

3H07A X	3H07A Y
-0.101 mm	-0.306 mm
Nominal:	Nominal:
3H07C X	**3H07C Y**
-0.216 mm	-0.291 mm
Nominal:	Nominal:

SHMS
p: +/- -9.2000 (From GUI) θ(TV): 8.000 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [ ]

Comments:

Run # 17892	Start: 17:47 Stop: 18:02	Target: LD2	E SING FID. EFF. 97.26	EDTM Rate 1625	Extrapolated # of electrons (this run) 2824	[x] Data ok [ ] Junk
Beam Current 30 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 1961320	Comp. Live time(%) 89.72	DAQ Rate 3K	Extrapolated # of electrons (this setting/targ) 66492	50k Replay Done [x]

Comments: 1st run of setting 3

Run # 17893	Start: 18:03 Stop: 18:15	Target: LD2	E SING FID. EFF. 97.00	EDTM Rate 1625	Extrapolated # of electrons (this run) 2712	[x] Data ok [ ] Junk
Beam Current 30 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 1964909	Comp. Live time(%) 90.00	DAQ Rate 3K	Extrapolated # of electrons (this setting/targ) 69204	50k Replay Done [x]

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 22 / 22 Initials: RS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17894	18:16 / 18:16	LD2				
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
		4791				

Comments: Stopped seconds after starting to change target to LH2. Loop 7.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17895	18:35 / 18:50	LH2	97.75	1619	1216	
Beam Current μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
45		1960684	93.85	2.5k	70420	

Comments: moved to LH2, stayed at PS2 = 7. Forgot to change EOR header.
→ Settings:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17896	18:51 / 19:08	LH2	97.99	1633	1325	
Beam Current μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
45		2008089	93.83	2.5k	71745	

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17897	19:14 / 19:22	Al dummy	98.87	426	7862	
Beam Current μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40		1680011	83.01	4k	79607	

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17898	19:23 / 19:23	Al dummy	98.96	425	8735	
Beam Current μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40		1994320	83.88	4k	88342	

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/22/22 Initials: GRS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17899	Start: 19:41 Stop: 19:52	9Be	96.75	1624	7237	☑ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS2: 7 PS3: -1 PS4: -1 PS5: -1 PS6: -1	2154114	87.11	3.4k	95580	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17900	Start: 19:53 Stop: 20:04	9Be	97.08	1625	6108	☑ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS2: 7 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1862115	94.94	3.3k	101688	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17901	Start: 20:06 Stop: 20:16	9Be	96.72	1625	4284	☑ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: -1 PS2: 7 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1203267	87.50	3.3k	105972	☑

Comments: Coda crashed again when I ended the run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17902	Start: 20:23 Stop: 20:38	40Ca	96.86	1625	5068	☐ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS2: 7 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1995435	94.56	2.6k	111040	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
17903	Start: 20:39 Stop: 20:52	40Ca	97.30	1625	5551	☑ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS2: 7 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1996818	89.32	2.6k	116591	☑

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 22 / 22 Initials: GRS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17904	Start: 20:53 Stop: 21:13	40Ca	97.14	1625	6434	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	2023183	92.96	2.6k	123025	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17905	Start: 21:14 Stop: 21:30	40Ca	98.13	1625	5409	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	1945846	99.08	2.6k	128434	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17906	Start: 21:32 Stop: 21:46	40Ca	~~92.38~~ 96.63	1625	6031	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	1997018	92.58	2.6k	134465	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17907	Start: 21:47 Stop: 22:04	40Ca	96.73	1625	5839	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	2085278	92.34	2.6k	140304	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17908	Start: 22:05 Stop: 22:22	40Ca	97.23	1625	6084	
Beam Current	**PS1 / PS4 / PS2 / PS5 / PS3 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	2001470	92.94	2.6k	146389	☑

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 22 / 22 Initials: GRS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17909	Start: 22:23 Stop: 22:38	40Ca	97.19	1625	6836	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	1998812	92.45	2.5K	153225	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17910	Start: 22:39 Stop: 22:52	40Ca	97.17	1625		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	1998615	91.83	2.6k		☑

Comments: coda crashed ending run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17911	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: Coda problems; crap run.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17912	Start: 23:27 Stop: 23:44	40Ca	98.34	1621	6238	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	1999425	99.99	2.6k	159463	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17913	Start: 23:45 Stop: 00:01	40Ca	97.66	1625	6123	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	2000899	92.29	2.6k	165585	☑

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 22 / 22 (23) Initials: GRS / SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17914	Start: 00:02 Stop: 0:15:31	40Ca	97.51	1625	6429	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA		1996556	97.73	2.6k	172014	☒

Comments: 161/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17915	Start: 0:17:04 Stop:	Ca40	96.95	1625	2366	
Beam Current	PS1: 7 PS4: - PS2: - PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA		1019878	87.41	3294	174380	☒

Comments: 116/50K Coda End Run failed → Reset worked

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17916	Start: 0:28:59 Stop: 0:44:03	Ca48	97.49	1625	6102	
Beam Current	PS1: - PS4: - PS2: 7 PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1994350	94.48	2419	6102	☒

Comments: 153/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17917	Start: 0:44:41 Stop: 1:02:45	Ca48	97.09	1625	5907	
Beam Current	PS1: - PS4: - PS2: 7 PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1995565	94.73	2413	12009	☒

Comments: 148/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17918	Start: 1:03:26 Stop: 1:18:16	Ca48	97.18	1625	5673	
Beam Current	PS1: - PS4: - PS2: 7 PS5: - PS3: - PS6: -	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1997716	93.96	2462	17683	☒

Comments: 142/50K

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SHMS Runsheet

Date: 10 / 23 / 22 Initials: SCA

Run #	Start: 1:18:51 Stop: 1:34:07	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17919		Ca48	97.05	1625	5713	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1997378	93.83	2470	23396	☒

Comments: 143/50k Coda Sudden crashed → Parent did not work
kcoda / start coda

17920 → Junk

Run #	Start: 1:37:13 Stop: 1:52:55	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17921		Ca48	96.82	1625	7404	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1969276	95.74	2441	30800	☒

Comments: 188/50k

Run #	Start: 1:53:37 Stop: 2:07:57	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17922		Ca48	97.46	1625	5155	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1997964	94.01	2466	35955	☒

Comments: 129/50k

Run #	Start: 2:08:40 Stop: 2:23:01	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17923		Ca48	97.06	1625	6605	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1989618	93.36	2409	42560	☒

Comments: 166/50k

Run #	Start: 2:23:40 Stop: 2:39:23	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17924		Ca48	97.15	1625	6047	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2029331	94.58	2443	48607	☒

Comments: 149/50k

E12-10-008/E12-06-105 Date: 10 / 23 / 22 Initials: SCA

SHMS Runsheet

Run #	Start: 2:40:01 Stop: 2:56:31	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17925		Ca48	96.80	1625	6236	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1998711	95.12	2415	54843	☒

Comments: 156/50K

Run #	Start: 2:57:12 Stop: 3:14:39	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17926		Ca 48	97.37	1625	5951	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2024299	94.50	2388	60794	☒

Comments: 147/50K

Run #	Start: 3:15:22 Stop: 3:29:17	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17927		Ca48	96.64	1625	5595	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1998274	94.43	2409	66389	☒

Comments: 140/50K

Run #	Start: 3:34:45 Stop: 3:40	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17928		C	98.51	1625	1661	
Beam Current	PS1: 7 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		564872	99.98	2301	1661	☒

Comments: 147/50K End of run Coda failed → Reset worked

Run #	Start: 3:42:40 Stop: 4:01:20	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17929		C	98.23	1625	8065	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1996378	98.13	1915	9726	☒

Comments: 202/50K End of run Coda fail → Reset worked

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SHMS Runsheet

Date: 10 / 23 / 22 Initials: SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17930	4:03:10 / 4:27:18	C	98.49	1625	8958	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1973184	99.98	1892	18684	☒

Comments: 227/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17931	4:28:02 / 4:50:30	C	98.29	1625	8791	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1988993	98.14	1931	27475	☒

Comments: 221/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17932	4:51:17 / 5:35:52	C	98.26	1625	15662	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		3995372	98.30	1896	43137	☒

Comments: 196/50K 4M run test (asked by Corey)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17933	5:37:05 / 6:31:57	C	98.15	1625	15721	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		3990125	97.86	1887	58858	☒

Comments: 197/50K 4M run test

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17934	6:32:49 / 7:15:48	C	98.01	1625	18029	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		4006429	98.12	1869	76887	☒

Comments: 225/50K 4M run

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SHMS Runsheet

Date: 10 / 23 / 22 Initials: SCD

Run #	Start: 7:19:55 Stop: 7:37:09	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17935		B11	97.91	1625	8824	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2005569	97.04	2120	8824	☒

Comments: 220/50K Coda crashed
K code / start code

17936 = Junk

Run #	Start: 7:41:24 Stop: 7:58:40	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17937		B11	98.08	1625	7332	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1899390	97.26	2088	16156	☒

Comments: 193/50K

Run #	Start: 7:59:14 Stop: 8:45	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17938		B11	98.35	1625	7546	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1955	96.99	2104	23702	☒

Comments: 193/50K

Run #	Start: 8:46 Stop: 9:06	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17939		B11	98.67	1625	8414	
Beam Current	PS1: – PS4: PS2: 7 PS5: 1 PS3: – PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1994	99.98	2064	32116	☒

Comments: 211/50K

Run #	Start: 9:07 Stop: 9:09	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17940		B11	98.31	1625	913	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		224	96.71	2106	33029	☒

Comments: Short run,

204/50K

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SHMS Runsheet

Date: 10 / 23 / 22 Initials: Ak

(B10 → Target)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17941	Start: 9:23 Stop: 9:58	B10	98.05	1625	7389	
Beam Current	PS1: PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2019	97.64	2018	7389	☒

Comments: 183/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17942	Start: 9:59 Stop: 10:16	B10	98.73	1625	1087	
Beam Current	PS1: – PS4: PS2: 7 PS5: -1 PS3: – PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		253	99.99	1924	8476	☒

Comments: 215/50k (beam off for 30 mins.)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17943	Start: 10:33 Stop: 10:56	B10	98.46	1625	7246	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1980	97.86	1952	15722	☒

Comments: 183/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17944	Start: 10:57 Stop: 11:24	B10	98.47	1625	8505	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1956	98.09	1942	24227	☒

Comments: 219/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17945	Start: 11:24 Stop: 11:48	B10	97.83	1625	7577.6	
Beam Current	PS1: – PS4: PS2: 7 PS5: -1 PS3: – PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1953	97.91	1934	31804.6	☒

Comments: 194/50k

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SHMS Runsheet

Date: 10/23/22 Initials: Ak

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17946	11:49 / 11:52	B10	98.96	1625	1125	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS2: 7 PS3: - PS4: PS5: -1 PS6:	287	99.99	1805	32929	☒

Comments: 196/50k

(Tin) → Target

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17947	11:59 /	Sn	98.67	825	5342	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1964	94.18	2638	5342	☒

Comments: 136/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17948	12:13 / 12:27	Sn	98.40	825	5690	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	2018	~~94.18~~ 93.66	2638	11032	☒

Comments: 141/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17949	12:28 / 12:51	Sn	98.43	825	3626	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: -1 PS2: 6 PS3: -1 PS4: PS5: -1 PS6:	1971	105	2638	14658	☒

Comments: 92/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17950	12:52 / 1:14	Sn	98.31	825	5562	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: -1 PS2: 6 PS3: -1 PS4: PS5: -1 PS6:	1918	94.16	2638	20220	☒

Comments: 145/50k (Coda Crashed)

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SHMS Runsheet

Date: 10 / 23 / 22 Initials: Ak

Run #	Start: 13:18 Stop:	Target: Sn	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17952			98.24	825	8527	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2805	95.25	2615	28747	☒

Comments: 152/50k

(Titanium) → Target

Run #	Start: 13:43 Stop: 14:05	Target: Ti	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17953			99.29	425	8969	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2011	95.87	2381	8969	☒

Comments: 223/50k

Run #	Start: 14:05 Stop: 14:23	Target: Ti	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17954			99.28	425	11197	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2304	95.13	2381	20166	☒

Comments: 243/50k

Run #	Start: 14:24 Stop: 15:03	Target: Ti	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17955			99.17	425	9167.	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1934	95.67	2381	29333.	☒

Comments: 237/50k

Run #	Start: 15:04 Stop: 15:17	Target: Ti	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17956			99.14	425	7865	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1947	95.31	2381	37198	☒

Comments: 202/50k

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SHMS Runsheet

Date: 10/23/22 Initials: AK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17957	15:18 / 15:33	Ti	99.02	425	8515	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1955	95.85	2381	45713	☒

Comments: 218/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17958	15:36 / 15:49	Ti	99.31	425	8441	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1945	96.64	2414	54154	☒

Comments: 217/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17959	15:50 / 16:08	Ti	99.25	425	8455	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1,994,116	95.70	2475	62608	☒

Comments: 212/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17960	16:09 / 16:25	Ti	99.15	424	8493	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2,003,154	95.68	2.4 Hz	71101	☒

Comments: coda crashed – ~~coda~~ what a piece of junk! ROC6 "write failures" after start coda. rebooted roc6. restarted coda

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17961						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA					71101	☐

Comments: junk – coda seems to have skipped this run

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17962	Start: 16:33 Stop:	Ti	99.49	428	8977	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1,942,756	99.83	2.4k	80078	☑

Comments:
231/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17963	Start: 16:50 Stop: 17:01	Ti	99.19	422	2695	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		756,852	99.99	2.4k	82773	☑

Comments: stopped early to move to Fe tgt.
178/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17964	Start: 17:09 Stop: 17:33	54 Fe	99.22	~~2.4k~~ 424	17228	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		3,987,632	99.65	2.9k	"	☑

Comments: 216/50k Shuji said Casey said to take 4M instead of 2M from now on... but coda crashed again when I stopped the run.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17965	Start: 17:35 Stop: 18:01	54 Fe	99.03	424	16716	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		3999k	93.93	3k	33944	☑

Comments: 209/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17966	Start: 18:02 Stop: 18:28	54 Fe	99.11	425	15903	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		3995.798	90.76	3k	49847	☑

Comments:
199/50k

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17967	Start: 18:29 Stop: 18:57	54 Fe	98.88	425	16587	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		3968.205	90.58	2.9 k	66434	☑

Comments: piece of crap called CODA crashed at EOR, reset, downloaded, started new run.
209/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17968	Start: 18:59 Stop: 19:26	54 Fe	99.86	425	17729	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		4011.130	100.00	3k	84163	☑

Comments: Coda piece of shit crashed AGAIN! at EOR.
221/50k

→ Ag

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17969	Start: 19:46 Stop: 20:09	Ag	97.68	825	11518	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		3999.308	85.13	3.6k	"	☑

Comments:
144/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17970	Start: 20:10 Stop: 20:33	Ag	98.94	825	12606	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		4014.673	99.99	3.5k	24124	☑

Comments: garbage DAQ crashed @ EOR. Reset, downloaded
157/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17971	Start: 20:35 Stop: 20:46	Ag	97.56	826	5382	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA		1830.548	86.15	3.4k	29506	☑

Comments: Stupid junk of a DAQ crashed at EOR, which was early so we could go to Thorium tgt.
147/50k

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Date: 10/23/22 Initials: JRS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
17972	21:03 / 21:07	Th				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
30 μA						

Comments: junk run to diagnose scaler freezing. Turned out to be a problem from last run's coda crash.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17973	21:09 / 21:55	Th	99.05	825	7187	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		2428.181	93.97	2.5k	11	

Comments: 148/50k HMS QI tripped - OK for us on SHMS. No, had to stop early to prepare for an escorted access.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17974	23:39 / 00:15	Th	99.06	825	12241	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 ~~60~~ μA		4055285	100.00	2.4k	19428	

Comments: 151/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17975	0016 / 0045	Th	98.76	825	11648	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		3989206	93.76	2.4k	31077	

Comments: 146/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17976	0045 / 0120	Th	98.21	825		
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
60 μA		3979475	95.19	2.5k		

Comments: 133/50k

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SHMS Runsheet

Date: 10/24/22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
17977				825		
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
60 μA				1.5k		

Comments: Bad prescale - junk, immediate restart.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17978	Start: 0125 Stop: 0150	Ni58	99.14	425	19135	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		3986526	91.37	3.0k	19135	

Comments: 240/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17979	Start: 0150 Stop: 0219	Ni58	99.21	425	15504	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		3622501	91.63	2.9k	34640	

Comments: 214/50k -> Stopped early where beam unavailable

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17980	Start: 0714 Stop: 0738	Ni58	98.86	425	19856	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		4085637	91.11	2.9k	54495	

Comments: 243/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17981	Start: 0743 Stop: 0800	Ni58	99.57	425	10442	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
60 μA		2096873	99.99	3.0k	64938	

Comments: 249/50k Stopped due to extended beam trip

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SHMS Runsheet

Date: 10 / 24 / 22 Initials: SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17982	Start: 8:05:27 Stop: 8:30:32	Ni58	99.42	425	15320	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		3126782	91.45	2982	78258	☒

Comments: 213/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17983	Start: 8:36:54 Stop: 9:09:42	Ni-64	99.57	425	17284	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		4013509	99.98	2571	17284	☒

Comments: 215/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17984	Start: 9:10:33 Stop: 9:59:07	Ni-64	99.25	425	27237	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		5999462	99.98	2538	44521	☒

Comments: 227/50K 6M test run asked by RC

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17985	Start: 9:59:54 Stop: 10:37:33	Ni-64	99.29	425	16703	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		4034746	99.98	2596	61225	☒

Comments: 207/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17986	Start: 10:38:08 Stop: 11:10:29	Ni-64	99.27	425	16276	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		4008820	99.98	2602	77501	☒

Comments: 203/50K

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Date: 10 / 24 / 22 Initials: SCA

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17987	11:11:04 Stop:	Ni-64	99.37	425	6971	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1725428	94.39	2600	84472	☒

Comments: 202/50K

SETTING 4 | SHMS - Same angle, same momentum et Settling J

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17988	11:51:08 Stop: 12:23:24	Ni-64	99.22	425	16 197	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		3969870	93.47	2561	16 197	☒

Comments: 204/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17989	12:24:07 Stop: 13:00:10	Ni-64	99.27	425	17 674	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		3998642	94.16	2527	33 871	☒

Comments: 221/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17990	13:00:58 Stop: 13:25:46	Ni-64	99.36	425	8405	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1918989	99.98	2613	42276	☒

Comments: 219/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17991	13:31:29 Stop: 14:14:11	Ni-58	99.43	425	17 674	
Beam Current	PS1: – PS4: – PS2: 5 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		4072375	99.98	2953	17 674	☒

Comments: 217/50K

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Run #	Start: 16:15:01 Stop: 14:51:57	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17992		Ni-58	98.92	425	6870	
Beam Current	PS1:– PS4:– PS2:5 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		1431226	90.96	2900	24544	☒

Comments: 240/50K long beam trip @ end ~ 15 min

Run #	Start: 15:29:28 Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17993		Ni-58	99.99	425	7966	
Beam Current	PS1:– PS4:– PS2:5 PS5:– PS3:– PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1818764	95.25	2422@50	32510	☒

Comments: 219/50K

CAM

Run #	Start: 15:52:39 Stop: 16:25	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
17994		Th	99.61	425	15.3K	
Beam Current	PS1:– PS4:– PS2: 5 PS5:– PS3: – PS6:–	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		4400K	99.99	3.5kHz@45	47822	☒

Comments: 174/50K 174/50K

Run #	Start: 16:33 Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
17995		Th		425		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA						☐

Comments: Junk 139/50K

Run #	Start: 16:33 Stop: 16:53	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17996		Th	99.09	425	8951	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		3220K	88.31	3500	56773	☑

Comments: 139/50K

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17997	Start: 17:01 Stop: 17:32	Ag	98.08	825	13.4k	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		4050688	93.65	2600	57k	☑

Comments: 166 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17998	Start: 17:42 Stop: 18:11	Fe	99.03	425	17.5k	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		4928198	94.72	3300, —	66.5k	☑

Comments: 108/~~50k~~ 24.8k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
17999	Start: 18:13 Stop: —	Fe	99.99	425	8.8k	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		2046957	99.98	3300	75.4k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18000	Start: 18:29 Stop: 18:56	Ti	99.27	425	17.8k	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		3839k	93.27	2700	108.7k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18001	Start: 18:57 Stop: —	Ti	99.99	425	10.7k	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA		2693k	94.34	2700	119.4k	☑

Comments:

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SHMS Runsheet

Date: 10 / 24 / 22 Initials: CAM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18002	19:24 / —	Sn	98.61	825	12.25k	
Beam Current	**PS1: / PS2: / PS3: / PS4: / PS5: / PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	4440K	96.15	3000	61.25k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18003	20:01 / 20:32	10B4C	99.13	825	15000	
Beam Current	**PS1: / PS2: / PS3: / PS4: / PS5: / PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS1: -1 PS2: PS3: -1 PS4: -1 PS5: -1 PS6: -1	37~~00~~k	94.09	2700	104.5k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18004	20:33 / 20:52	10B4C	98.27	825	14.13k	
Beam Current	**PS1: / PS2: / PS3: / PS4: / PS5: / PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	3020K	89.98	3000	118k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18005	20:57 / —	11B4C	98.22	825	15.9k	
Beam Current	**PS1: / PS2: / PS3: / PS4: / PS5: / PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	4160K	87.42	3000	15.9k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18006	21:26 /	11B4C	98.78	825	13.6k	
Beam Current	**PS1: / PS2: / PS3: / PS4: / PS5: / PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA	PS1: -1 PS2: PS3: -1 PS4: -1 PS5: -1 PS6: -1	2948K	90.43	3000	29.6k	☑

Comments:

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SHMS Runsheet

Date: 10/24/22 Initials: CAM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18007	21:54 / —	C12	99.99	825	16k	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		4160k	99.92	2600	16k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18008				825		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA				2900		☐

Comments: Counting slowly, Not working JUNK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18009	22:27 / 23:01	C12	98.58	825	17.8k	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		4251k	93.37	2950	34k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18010	23:02 / 23:34	C12	98.60	825	19.5k	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		4654k	90.54	2900	53.6k	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18011	23:35 /	C12	98.54	825	6.8k	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		1540k	91.18	2922	60.4k	☑

Comments:

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SHMS Runsheet

Date: 10/24/22 Initials: CAM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18012	23:46 / 00:00	C12	98.19	825	7500	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	6 -1 -1 -1 -1 -1	2207607	84.79	3600	67.9k	☑

Comments: SHMS C12 3/4 Run !!!!!! ALL CAPS!

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18013	0009 / 0038	Ca48	98.16	1625	12980	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	7	3957462	99.99	2.3k	12980	☑

Comments: 164/50k NOTE: Rates considerably higher than expected in run plan! Consistent with previous settings, though.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18014	0039 / 0107	Ca48	97.39	1625	11867	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	7	3955990	94.29	2.3k	24848	☑

Comments: 150/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
18015	0107 / 0113					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	7					☐

Comments: CODA Crash → ROC (~~hcana~~ hcana06) reset, kcoda, startcodc

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18016	0113 / 0120	Ca48	96.98	1625	2643	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	7	858078	95.50	2.3k	27491	☑

Comments: 154/50k Ended early to go to Ca40

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SHMS Runsheet

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18017	Start: 0124 Stop: 0200	Ca40	96.88	1625	13290	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS1: 7 PS4: PS2: PS5: PS3: PS6:	4101988	90.24	2.8k	13290	☒

Comments: Moved to 55μA to keep S2Y < ~~20MHz~~ 1 MHz 162/50k (current reduced to 50μA early to improve beam stability)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18018	Start: 0201 Stop: 0240	Ca40	98.35	1625	13166	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: PS4: PS2: 7 PS5: PS3: PS6:	4220027	99.99	2.3k	26457	☒

Comments: 156/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18019	Start: 0240 Stop: 0253	Ca40	98.38	1625	4566	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 7 PS4: PS2: PS5: PS3: PS6:	1473172	99.99	2.3k	31024	☒

Comments: 155/50k Ended Early for 3/4 run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18020	Start: 0256 Stop: 0310	Ca40	98.58	1625	2668	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	1170014	99.99	2.9k	~~28~~ 2668	☒

Comments: 3/4 Run 114/50k CODA CRASH end of run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18021	Start: 0315 Stop: 0316			1625		
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
μA	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1			2.7k		☐

Comments: Prescale incorrect → Reset prescale GUI

SA

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18022	0327 / 0344	Be 9	98.60	1625	7791	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 7	1938173	99.99	3.3k	7791	☒

Comments: Start delay - Waiting for beam. Move to Al Dummy 201/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18023	0348 / 0356	Al Dummy	98.84	425	6403	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS2: 5	1425032	82.51	3.7k	6403	☒

Comments: 225/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18024	0553 / 0606	LH2	96.77	1625	1700	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 7	1931900	86.79	3.6k	1700	☒

Comments: 44/50k S2Y is probably too high.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18025	0606 / 0639	LD2		3225		
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
60 μA	PS2: 8			3.2k		☐

Comments: HV down on drift chamber → Junk run.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18026	0639 / 0649	LD2	95.00	3225	1993	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS2: 8	1444524	88.63	3.0k	1993	☒

Comments: 69/50k Current high → 60 μA, S2Y ~ 1.7 MHz

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18027

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
~~18026~~	0650 / 0651	LD2		1625		
Beam Current	**PS1: / PS2: / PS3:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: PS4: PS2: 8 PS5: PS3: PS6:					☐

Comments: Did not confirm prescale

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18028	0651 / 0701	LD2	97.45	1625	1361	
Beam Current	**PS1: / PS2: / PS3:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: PS4: PS2: 7 PS5: PS3: PS6:	1259794	90.29	3.0k	3354	☒

Comments: 54/50k Ended for HMS monitor change to -4.27 GeV
END SETTING 4

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18029	0738 / 0753	LD2	96.77	1625	3095	
Beam Current	**PS1: / PS2: / PS3:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: PS4: PS2: 7 PS5: PS3: PS6:	2380762	93.08	3.0k	3095	☑

Comments: BEGINNING SETTING 5 65/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18030	0759 /	LH2		1625		
Beam Current	**PS1: / PS2: / PS3:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
~~X~~ 50 μA	PS1: PS4: PS2: 7 PS5: PS3: PS6:	1.5 M		2.8k		☐

Comments:
50K replay did not work for this run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18031	8:16 /	dummy	99.32	425	5538	
Beam Current	**PS1: / PS2: / PS3:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	1.3M	92	3.9K	5538	☑

Comments:
213/50K

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18032	8:30 / 8:39	Be	97%	1625	3660	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4:-1 PS2:7 PS5:-1 PS3:-1 PS6:-1	1M	92%	2.3K	3660	☑

Comments:

183/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18033	8:50 / 9:19	Ca40	98%	1625	11780	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4:-1 PS2:7 PS5:-1 PS3:-1 PS6:-1	3.1 M	100%	2.5K	11780	☑

Comments:

190/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18034	9:21 / 9:36	Ca40	97%	1625	3750	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:7 PS4:-1 PS2:-1 PS5:-1 PS3:-1 PS6:-1	1.5 M	92%	2.7K	3750	☑

Comments:

3/4 run 125/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18035	9:43 / 10:08	Ca48	97%	1625	9780	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1:-1 PS4:-1 PS2:7 PS5:-1 PS3:-1 PS6:-1	3M	98%	2.4K	9780	☑

Comments:

163/50K CODA ERROR AT THE END OF THIS RU

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18036						
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

JUNK coda had to be restarted.

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Date: 10 / 25 / 22 Initials: RD

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18037	10:13 Stop: 10:13	C				
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments: JUNK / was testing if CODA starts successfully - wrong prescale

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18038	10:14 Stop:	C	98%	825	24516	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		5.4 M	90%	3 kHz	24516	

Comments: 18039 → JUNK RC said this is OK! 227/50K CODA crashed end of this run.

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18040	11:01 Stop: 11:07	C	99%	825	3480	
Beam Current	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		1 M	99%	3 kHz	3480	

Comments: 3/4 run 174/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18041	11:28 Stop:	B4	98%	825	13532	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		3.4 M	92%	2.7 kHz	13532	

Comments: 199/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18042	12:06 Stop: 12:32	B10	99%	825	13144	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		3.1 M	99%	3.1 kHz	13144	

Comments: This run should have ended at 12:30 when we moved the target to Sn. 212/50K

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18043	12:33 / 12:45	Sn	98%	825	4620	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1.4M	92%	2.7 kHz	4620	☑

Comments:

165/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18044	12:51 / 13:14	Ti	99%	425	10K	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.5M	88%	2.4 kHz	10K	☑

Comments:

207/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18045	13:21 / 13:38	Fe	99%	425	8888	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.2M	92%	2.6 kHz	8888	☑

Comments:

202/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18046	13:59 / 14:15	Ag	98%	825	2088	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		720K	90%	2.9 kHz	2088	☑

Comments:

145/50K stopped the run bc beam was down.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18047	15:17 / 15:26	Al	97%	825	3480	
Beam Current	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.1M	90%	2.9 kHz	~~3480~~ 5568	☑

Comments:

174/50K

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 25 / 22 Initials: BD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18048	Start: 15:31	Th	98%	425	9180	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		3M	81 %	4 kHz	9180	

Comments: 153/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18049	Start: 15:55 Stop: 16:22	Ni58	99%	225	18910	
Beam Current	PS1: -1 PS4: -1 PS2: 4 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		4.59M	92%	4.3 kHz	18910	

Comments: 206/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18050	Start: 16:26 Stop: 16:54	Ni64	99.31	225	22215	
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
50 μA		5.94M	75.59	4.3 kHz	22215	

Comments: 187/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18051	Start: 16:55 Stop: 17:29	Ni64	99.41	225	24508	
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
50 μA		5.92M	81.8	4.3 kHz	24508	

Comments: 207/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18052	Start: 17:30	Ni64	99.42	225	3085	
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒
50 μA		591 K	99.60	4.4 kHz	3085	

Comments: 261/50k

E12-10-008/E12-06-105 Date: 10/28/22 Initials: Ak

SHMS Runsheet

Target changed

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18053	17:38 / 17:52	Ni58	99.2	225	11704	
Beam Current	PS1: -1 PS4: / PS2: 4 PS5: -1 / PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
60 μA		2.66M	78.89	4.1	11704	☒

Comments: 220/50k

18054 → Junk, DAQ rate too high

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18055	17:57 / 18:07	Th	99.12	425	4787	
Beam Current	PS1: -1 PS4: / PS2: 5 PS5: -1 / PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.76	91.72	3.4	~~3.4~~ 4787	☒

Comments: 136/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18056	18:11 /	Ag	98.21	425	7036	
Beam Current	PS1: -1 PS4: / PS2: 5 PS5: -1 / PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		2.33M	64.66	4.4		☒

Comments: 151/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18057	18:25 / 18:35	Fe54	98.8	425	5009	
Beam Current	PS1: -1 PS4: / PS2: 5 PS5: -1 / PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		2.07M	93.24	3.3 kHz		☒

Comments: 121/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18058	18:40 / 18:52	Ti	99.19	225	10155	
Beam Current	PS1: -1 PS4: / PS2: 4 PS5: -1 / PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.79M	76.44	4.5 kHz	10155	☒

Comments: 182/50k

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 25 / 22 Initials: Ak

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18059	Start: 18:55 Stop: 19:07	Sn	98.4	225	8172	
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.57M	33.29	4.5 kHz	8172	☒

Comments: 159/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18060	Start: 19:11 Stop:	B4C10	98.94	225		
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.02	37.28	4.5 kHz		☒

Comments: 216/50k : DAQ Rate too high.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18061	Start: 19:26 Stop: 19:37	B-10	99.04	825	7023	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.73 M	99.98	2.2 kHz	7023	☒

Comments: 203/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18062	Start: 19:44 Stop: 19:56	B-11	99.07	825	7029	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1.74 M	91.09	2.8 kHz	7029.	☒

Comments: 202/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18063	Start: 20:03 Stop:	C12	99.27	425	17052	
Beam Current	PS1: -1 PS4: -1 PS2: 5 PS5: PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		4.2 M	99.72	4.1 kHz.	17052	☒

Comments: 203/50k

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/25/22 Initials: AK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18064	Start: 20:33 Stop: 20:41	C12	98.21	225		
Beam Current	PS1: 4 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1.45	-3.86%	3.9 kHz		☒

Comments: 3/4 runs. 181/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18065	Start: 20:44 Stop:	Ca48		225		
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA				3.3 kHz		☐

Comments: wrong prescale.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18066	Start: 20:47 Stop:	Ca48		225		
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA				3.35 kHz		☐

Comments: DAQ Rate too high.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18067	Start: 20:55 Stop: 21:08	Ca48	97.28%	825	6683	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		2.17M	66.00%	4.7 kHz	6683	☒

Comments: 154/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18068	Start: 21:12 Stop:	Ca40	97.3	825	10787	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA		3.35	79.18	3.9 kHz	10787	☒

Comments: 161/50k

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/25/22 Initials: Ak

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18069	21:30 / 21:37	Ca40	97.50	1625		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6:	605 K	~~99~~ -1.48	2.7 kHz		☒

Comments: 3/4 runs. 134/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18070	21:41 / 21:52	Be9	97.74	825	9428	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6:	2.43 M	67-1.	4.7 kHz	9428	☒

Comments: 194/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18071	21:56 / 22:07	Al27	99.19	825	5475	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6:	1.17 M	99.68	4.7 kHz	5475	☒

Comments: 234/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18072	22:12 /	LH_2	97.71	825	1694	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA	PS1: -1 PS4: -1 PS2: 6 PS5: -1 PS3: -1 PS6:	2.42 M	65.98	4.9 kHz	1694	☒

Comments: 35/50

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18073	22:35 /	LD_2	97.10	1625	4595	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6:	3.59 M	90.42	2.9 kHz	4595	☒

Comments: 64/50k

Coda crashed after runs stopped.

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 25 / 22 Initials: AK

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18074	Stop: 23:14	LD_2	97.16	1625	1015	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1.45	100%	2.9 kHz	1015	☒

Comments: 35/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18075	Stop:	LH_2	97.84	1625	1302	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.48	92.27	2.8 kHz	1302	☒

Comments: 44/50k coda Crashed After run stopped !!

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18076	Stop:	Al 27	98.84	425	8446	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.06	88.45	3.9 kHz	8446	☒

Comments: 205/50k coda crashed after run stopped..

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18077	Stop: 0005	Be 9	98.42	1625	3860	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1231380	99.98	2.7 kHz	3866	☒

Comments: 157/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18078	Stop:	Ca 40				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA						☐

Comments: Did not confirm prescale — junk
prescale GUI froze → restart

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 /26 / 22 Initials: SAS

Run #	Start: 0013 Stop: 0029	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18079		Ca40	98.42	825	3866	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		3175786	87.05	3.5k	3866	☒

Comments: 169/50k

Run #	Start: 0031 Stop: 0038	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18080		Ca40	98.71	1625	2121	
Beam Current	PS1: 7 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		848449	99.99	2.3k	2121	☒

Comments: 3/4 Run 125/50k

Run #	Start: 0042 Stop: 0119	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18081		Ca48	97.38	1625	9925	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		2953944	95.31	2.4k	9925	☒

Comments: 168/50k, 15 min down for beam issue included

Run #	Start: 0122 Stop: 0134	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18082		C12	98.23	825	7020	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1602830	92.92	~~2.4k~~ 3.1k	7020	☒

Comments: 219/50k

Run #	Start: 0135 Stop: 0144	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18083		C12	98.29	825	2892	
Beam Current	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		821605	86.08	3.4k	2892	☒

Comments: 3/4 Run 176/50k

Run still ongoing during target change –

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 26 / 22 Initials: SAS

Run #	Start: ~~0135~~ 0146 / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok / ☐ Junk
18084	0156	B11	~~966~~ 98.64	825	7804	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1951139	88.53	3.4k	7804	☒

Comments: 200/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok / ☐ Junk
18085	0204 / Stop: 0212	B10	98.54	825	5511	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1384592	93.15	3.2k	5511	☒

Comments: CODA udpsend interrupter Crash. 199/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok / ☐ Junk
18086	0217 / Stop: 0228	Sn	98.17	825	5721	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1712868	91.42	2.7k	5721	☒

Comments: 167/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok / ☐ Junk
18087	0231 / Stop: 0244	Ti	99.56	425	7724	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1731910	95.42	2.4k	7724	☒

Comments: 223/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok / ☐ Junk
18088	0247 / Stop: 0300	Fe	99.30	425	9688	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2181926	90.33	3.0k	9688	☒

Comments: 222/50k

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/26/22 Initials: SAS

Run #	Start: 0304	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok
18089	Stop: 0316	Ag	98.04	825	5020	☐ Junk
Beam Current	PS1: PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS2: 6 PS5:	1651460	93.90	~~3.0k~~ 3.4k	5020	☒
	PS3: PS6:					

Comments: 152/50k

Run #	Start: 0321	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok
18090	Stop: 0331	Th	99.23	425	5395	☐ Junk
Beam Current	PS1: PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS2: 5 PS5:	1685913	99.98	4.1k	5395	☒
	PS3: PS6:					

Comments: TO to Casey: 425 will put us over 4k, though. Casey to TO: That's fine. TO to Casey: She'll fly apart! Casey to TO: Fly her apart then! 160/50k

Run #	Start: 0337	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok
18091	Stop: 0350	Ni58	99.31	425	8259	☐ Junk
Beam Current	PS1: PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS2: 5 PS5:	1625761	93.91	2.4k	8259	☒
	PS3: PS6:					

Comments: 254/50k

Run #	Start: 0352	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok
18092	Stop: 0405	Ni64	99.18	425	7426	☐ Junk
Beam Current	PS1: PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS2: 5 PS5:	1657583	94.91	2.2k	7426	☒
	PS3: PS6:					

Comments: 224/50k

Run #	Start: 0435	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok
18093	Stop: 0453	Ni64	99.59	425	6946	☐ Junk
Beam Current	PS1: PS4:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS2: 5 PS5:	1607763	99.98	2.5k	6946	☒
	PS3: PS6:					

Comments: 216/50k

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18094	0455 / 0508	Ni58	99.16	425	6892	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1518259	94.73	2.4k	6892	☒

Comments: 227/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18095	0510 / 0526	Th	98.68	425	10132	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		3332975	81.64	3.9k	10132	☒

Comments: 152/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18096	0529 / 0541	Ag	99.27	825	3589	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1220674	93.82	2.9k	3589	☒

Comments: 147/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18097	0546 / 0608	Fe	99.35	425	12709	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
~~50~~ 40 μA		2762917	93.33	2.9k	12709	☒

Comments: 230/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18098	0611 / 0624	Ti	99.23	425	6936	
Beam Current	PS1: PS4: PS2: 5 PS5: PS3: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		1590738	95.69	2.4k	6936	☒

Comments: 218/50k

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18099	0627 / 0644	Sn	98.10	825	7615	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2472542	92.63	2.8k	7615	☒

Comments: 154 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18100	0649 / 0703	B10	98.50	825	7299	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1871426	90.05	3.0k	7299	☒

Comments: 195 / 50k Stopped run during Target Change

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18101	0706 / 0717	B11	98.16	825	7362	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1752926	87.17	3.4k	7362	☒

Comments: 210 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18102	0720 / 0726	C12	98.15	825	3532	
Beam Current	PS1: 6 PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1032675	86.25	3.7k	3532	☒

Comments: 3/4 run 171 / 50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18103	0727 / 0750	C12	98.57	825	13833	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		3583604	89.30	3.0k	13833	☒

Comments: 193 / 50k

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: SAS/SCA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18104	0753 / 8:09	Ca48	96.99	1625	7072	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	7	2117287	94.33	2.4k	7072	☒

Comments: 167/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18105	8:17 / 8:41	Ca-40	97.59	1625	6900	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2254996	95.29	2214	6900	☒

Comments: 153/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18106	8:42 / 8:47	Ca-40	96.83	1625	2189	
Beam Current	PS1: 7 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		935547	90.17	2975	9089	☑

Comments: 3/4 117/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18107	8:53 / 9:04	Be	96.91	1625	4983	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1431936	92.11	2754	4983	☒

Comments: 174/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18108	9:07 / 9:22	Al dummy	98.73	825	5070	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1083253	97.73	2052	5070	☒

Comments: 234/50000

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: SCA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18109	Start: 9:27 Stop: 9:43	LH2	97.36	1625	1083	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1321006	91.12	2820	1083	☒

Comments: 41/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18110	Start: 9:47 Stop: 10:08	LD2	96.98	1625	493	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		320198	88.92	2961	493	☒

Comments: 77/50K Long beam trip ~ 20 min

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18111	Start: 10:26 Stop: 11:01	LD2	97.48	1625	8647	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		6004833	90.47	2981	9140	☒

Comments: 72/50K HMS changed to Setting 9 during the run/no SHMS change
Setting 9 starts with LD2

SETTING 9

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18112	Start: 11:02 Stop: 11:08	LD2	97.24	1625	1446	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		951276	90.17	3086	10586	☒

Comments: 76/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18113	Start: 11:12 Stop: 11:18	LH2	97.59	1625	487	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		579523	91.97	2738	487	☒

Comments: 42/50K

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: SCA

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18114	Stop: 11:35	LH2	97.46	1625	994	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1505608	90.67	2795	1481	☒

Comments: 33/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18115	Stop: 11:51	Al dummy	98.77	825	4645	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1080389	96.63	2055	4645	☒

Comments: 215/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18116	Stop:	Al dummy	99.09	825	5465	
Beam Current	PS1: – PS4: – PS2: 6 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1535116	94.36	2650	5465	☒

Comments: 178/50K

S1X (1-6) S2X (1-6) OFF

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18117	Stop: 12:35	LH2	98.61	1625	1278	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2203137	99.87	3496	1278	☒

Comments: 29/50K

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18118	Stop: 12:53	LD2	97.81	3225	1355	
Beam Current	PS1: – PS4: – PS2: 8 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		1328210	97.85	1938	1355	☒

Comments: 51/50K

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: SCD

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18119	Start: 13:01 Stop: 13:20	Be	97.94	1625	7260	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2574443	87.14	3471	7260	☒

Comments: 141/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18120	Start: 13:23 Stop:	Ca-40	98.2	1625	5913	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2384242	90.04	2903	5913	☒

Comments: 124/50K 20 min ~~[illegible]~~ beam trip @ end (no call from MCC :( )

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18121	Start: 14:28 Stop: 14:36	Ca-40	98.05	1625	2719	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1079042	91.05	2878	8632	☒

Comments: 126/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18122	Start: 14:37 Stop: 14:42	Ca-40	97.75	1625	1665	
Beam Current	PS1: 7 PS4: – PS2: – PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		841001	84.02	3627	10297	☒

Comments: 99/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18123	Start: 14:47 Stop: 15:15	Ca-48	97.46	1625	5232	
Beam Current	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1909659	89.52	3038	5232	☒

Comments: 137/50K hard to make watable beam, stopped run, beam OFF for [illegible]

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SHMS Runsheet

Date: 10/26/22 Initials: SCA

Run #	Start: 15:50 Stop: 16:05	Target: Ca48	E SING FID. EFF. 98.82	EDTM Rate 1625	Extrapolated # of electrons (this run) 6701	☒ Data ok ☐ Junk
Beam Current 40 μA	PS1: – PS4: – PS2: 7 PS5: – PS3: – PS6: –	CODA Events (k) 2248760	Comp. Live time(%) 99.66	DAQ Rate 2929	Extrapolated # of electrons (this setting/targ) 11955	50k Replay Done ☒

Comments: 149/50K

Run #	Start: 16:11 Stop: 16:31	Target: C12	E SING FID. EFF. 100 %	EDTM Rate 1625	Extrapolated # of electrons (this run) 5036	☒ Data ok ☐ Junk
Beam Current 45 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k) 1.49	Comp. Live time(%) 98.6 %	DAQ Rate 1.8 kHz	Extrapolated # of electrons (this setting/targ) 5036	50k Replay Done ☒

Comments: 169/50k

Run #	Start: 16:33 Stop:	Target: C12	E SING FID. EFF. 98.89	EDTM Rate 825	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
Beam Current 45 μA	PS1: 6 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%) 77.98 %	DAQ Rate 4.1 kHz	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☒

Comments: 159/50k Coda Crashed after run stopped

Run #	Start: 16:52 Stop:	Target: B-11	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
Beam Current 45 μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: Coda Crashed

Run #	Start: 18:52 Stop:	Target: B11	E SING FID. EFF. 98.7	EDTM Rate 1625	Extrapolated # of electrons (this run) 1838	☒ Data ok ☐ Junk
Beam Current 45 μA	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k) 505 k	Comp. Live time(%) 97.8	DAQ Rate 1.9 kHz	Extrapolated # of electrons (this setting/targ) 1838	50k Replay Done ☒

Comments: 182/50k

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: AK

Run #	Start: 17:03 Stop: 17:13	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18129		B10	98.72	1625	3124	
Beam Current	PS1: -1 PS4: PS2: 7 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		919 k	98.69	1.85 kHz	3124	☒

Comments: 170/50k

Run #	Start: 17:18 Stop: 17:30	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18130		Sn	98.69	1625	2527	
Beam Current	PS1: -1 PS4: -1 PS2: 7 PS5: PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1.17 M	99.11	1.77 kHz	2527	☒

Comments: 108/50k

Run #	Start: 17:34 Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18131		Ti	99.46	425	6154	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		1.57 M	89.68	3.0 kHz	6154	☒

Comments: 196/50k

Run #	Start: 17:50 Stop: 18:03	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18132		Fe54	99.41	425	8806	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.38 M	80.61	3.8 kHz	8806	☒

Comments: 185/50k

Run #	Start: 18:07 Stop: 18:17	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18133		Ag	98.76	825	3886	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		1.53 M	88.87	3.2 kHz	3886	☒

Comments: 127/50k

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/26/22 Initials: AK

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18134	18:21 Stop:	Th	98.85	825	2329	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		1.004	94.03	2.44 kHz	2329	☒

Comments: 112/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18135	18:37 Stop: 18:48	Ni58	99.40	825	3223	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		862 K	99.65	1.51 kHz	3223	☒

Comments: 187/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18136	18:54 Stop:	Ni64	99.46	825	9193	
Beam Current	PS1: -1 PS4: PS2: 6 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		2.072 M	99.44	1.6 kHz	9193	☒

Comments: 169/50k

18137 → Junk → forgot to set prescale

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18138	21:28 Stop:	Ni64	99.32	225	10077	
Beam Current	PS1: -1 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA		2.28 M	85.93	3.9 kHz	10077	☒

Comments: 221/50k

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18139	21:38 Stop:	Ni64	99.16	225		
Beam Current	PS1: 4 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA			56.44.	4.6		☒

Comments: 3/4 run (forget to remove junk)

193/50k

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/26/22 Initials: A/C

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18140	Start: ~~18140~~ 21:42	Ni64	99.23	225		
Beam Current	PS1: 4 PS4: PS2: 4 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.16 M	66.90	4.6 kHz		☒

Comments: 187/50k 3/4 runs.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18141	Start: 21:56 Stop: 22:01	Ni58	89.21	425		
Beam Current	PS1: 5 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA		722k	99.17	3.12kHz		☒

Comments: 197/50k 3/4 runs

18142 → Junk, edtm not set properly

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18143		Ni58				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: 18142 and 18143 → Junk Run (Edtm set wrong) → 18144

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18145	Start: 22:10 Stop: 22:21	Ni58	99.19	425	6838	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.30M	89.89	2.5kHz	6838	☒

Comments: 263/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18146	Start: 22:25 Stop: 22:35	Th	99.23	425	5355	
Beam Current	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1.53M	99.99	402 kHz	5355	☒

Comments: 175/50k

E12-10-008/E12-06-105 Date: 10 / 26 / 22 Initials: AK

SHMS Runsheet

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18147	Start: 22:36 Stop: 22:42	Th	98.60	825	2001	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 6 PS2: 7 PS3: -1 PS4: PS5: -1 PS6:	944 k	91.41	2.82 kHz	2001	☒

Comments: 106/50k 3/4 runs

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18148	Start: 22:47 Stop: 22:52	Ag	98.63	825	1909	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 6 PS2: -1 PS3: -1 PS4: PS5: -1 PS6:	697 k	99.98	3.8 kHz	1909	☒

Comments: 137/50k 3/4 runs

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18149	Start: 22:54 Stop:	Ag	98.22	825	5943	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1.46 M	91.64	2.8 kHz	5343	☒

Comments: 183/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18150	Start: 23:09 Stop: 23:18	Fe54	99.44	425	5822	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: -1 PS2: 5 PS3: -1 PS4: PS5: -1 PS6:	1.42 M	99.04	3.02 kHz	5822	☒

Comments: 205/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18151	Start: 23:19 Stop: 23:25	Fe54	99.43	425	3535	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: 5 PS2: -1 PS3: -1 PS4: PS5: -1 PS6:	1.01	99.98	3.6 kHz	3535	☒

Comments: 175/50k 3/4 runs

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SHMS Runsheet

Date: 10 / 26 / 22 Initials: Ak

Run #	Start: 23:31 Stop: 23:38	Target: Ti	E SING FID. EFF. 99.12	EDTM Rate 425	Extrapolated # of electrons (this run) 3406	☒ Data ok ☐ Junk
Beam Current 40 μA	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 856 k	Comp. Live time(%) 92.56	DAQ Rate 3.6 kHz	Extrapolated # of electrons (this setting/targ) 3406	50k Replay Done ☒

Comments: 199/50k 3/4 run

Run #	Start: 23:40 Stop: 23:50	Target: Ti	E SING FID. EFF. 99.27	EDTM Rate 425	Extrapolated # of electrons (this run) 5588	☒ Data ok ☐ Junk
Beam Current 40 μA	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k) 1027 M	Comp. Live time(%) 95.14	DAQ Rate 3.02 kHz	Extrapolated # of electrons (this setting/targ) 5588	50k Replay Done ☒

Comments: 220/50K

Run #	Start: 23:55 Stop: 00 05	Target: Sn	E SING FID. EFF. 98.47	EDTM Rate 425	Extrapolated # of electrons (this run) 6857	☒ Data ok ☐ Junk
Beam Current 40 μA	PS1: -1 PS4: PS2: 5 PS5: -1 PS3: -1 PS6:	CODA Events (k) 2300957	Comp. Live time(%) 59.58	DAQ Rate 3.02 kHz	Extrapolated # of electrons (this setting/targ) 6857	50k Replay Done ☒

Comments: 149/50K

Run #	Start: 0006 Stop: 0014	Target: Sn	E SING FID. EFF. 98.65	EDTM Rate 425	Extrapolated # of electrons (this run) 2487	☒ Data ok ☐ Junk
Beam Current 40 μA	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 1463140	Comp. Live time(%) 43.71	DAQ Rate 3.6k	Extrapolated # of electrons (this setting/targ) 2487	50k Replay Done ☒

Comments: 3/4 run Very low Live time! 85/50k

Run #	Start: 0019 Stop: 0031	Target: B10	E SING FID. EFF. 98.79	EDTM Rate 825	Extrapolated # of electrons (this run) 4718	☒ Data ok ☐ Junk
Beam Current 50 μA	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 1235019	Comp. Live time(%) 99.99	DAQ Rate 3.7k	Extrapolated # of electrons (this setting/targ) 4718	50k Replay Done ☒

Comments: 191/50k 3/4 run

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SHMS Runsheet

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18157	0032 / 0633	B10	98.39	825	1041	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		233385	99.93	3.2k	1041	☒

Comments: Prescale froze on startup - could not confirm rate. Restarted at low events 223/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18158	0034 / 0045	B10	98.17	825	5744	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1443254	89.57	3.2k	6785	☒

Comments: 199/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18159	0048 / 0059	B11	98.41	825	6983	
Beam Current	PS1: PS4: PS2: 6 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1720041	87.73	3.4k	6983	☒

Comments: 203/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18160	0105 / 0111	B11	98.35	825	5177	
Beam Current	PS1: 6 PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1462641	86.47	4.0k	5177	☒

Comments: CODA Crash on startup 177/50k 3/4 run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18161	0118 / 0125	C12	98.22	825	4159	
Beam Current	PS1: 6 PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1106250	89.88	3.7k	4159	☒

Comments: 3/4 run 188/50k

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SHMS Runsheet

Date: 10 / 27 / 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18162	Start: 0126 Stop: 0153	C12	98.68	825	17411	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 6	4011727	89.65	3.0k	17411	☒

Comments: 217/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18163	Start: 0156 Stop: 0219	Ca48	97.22	1625	9658	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS2: 7	2857351	95.71	2.4k	9658	☒

Comments: 169/50k

97.71

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18164	Start: 0220 Stop: 0228	Ca48	~~97.71~~	1625	2878	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: 7	1042921	96.99	3.1k	2878	☒

Comments: 3/4 run 138/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18165	Start: 0230 Stop: 0235	Ca40	97.22	1625	2381	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 7	930254	89.35	3.0k		☒

Comments: 3/4 run 128/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18166	Start: 0236 Stop: 0301	Ca40	97.35	1625	10889	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 7	3183836	96.03	2.3k	10889	☒

Comments: 171/50k

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Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18167	Start: 0304 Stop: 0305	Be	97.66	1625	323	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 7	100461	92.19	2.7k	323	☒

Comments: PS Gui not updating – Restart to confirm 161/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18168	Start: 0306 Stop: 0311	Be	97.18	1625	3169	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 7	1015557	91.64	2.7k	3169	☒

Comments: 156/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18169	Start: ~~0317~~ Stop:	Be		1625		
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 7			3.3k		☐

Comments: 3/4 run CODA Crash on startup, no events.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18170	Start: 0317 Stop: 0322	Be	97.61	1625	2997	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 7	866184	94.74	3.4k	2997	☒

Comments: 3/4 run 173/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18171	Start: 0326 Stop: 0332	Al Dummy	98.85	825	2943	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: 6	721266	95.32	2.5k	2943	☒

Comments: 3/4 run 204/50k

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SHMS Runsheet

Date: 10 / 27 / 22 Initials: SAS

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18172	0333 / 0340	Al Dummy	98.90	425	6197	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS2: 5	1401949	96.26	4.0k	6197	☒

Comments: 221/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18173	0345 / 0351	LH2	98.31	1625	436	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS2: 7	703100	99.98	2.7k	436	☒

Comments: 31/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18174	0352 / 0358	LH2	96.96	1625	751	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 7	1104697	95.97	3.5k	751	☒

Comments: 3/4 run 34/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18175	0404 / 0409	CD2	97.75	1625	1098	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS1: 7	1055535	85.46	3.8k	1098	☒

Comments: 3/4 run 52/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18176	0410 / 0418	CD2	97.30	1625	2207	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
30 μA	PS2: 7	1490939	89.10	3.1k	2207	☒

Comments: 74/50k END OF SETTING 10.1

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SHMS Runsheet

Date: 10 / 27 / 22 Initials: SAS

BEGIN S2 Part 2

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18177	0516 / 0603	Be	97.96	1625	19708	
Beam Current	PS1: PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		5936286	92.18	2.7k	19708	☒

Comments: 166/50k → will target 22M ev (~3hrs)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18178	0603 / 0645	Be	98.43	1625	21373	
Beam Current	PS1: PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		5937055	99.98	2.8k	41081	☒

Comments: 180/50k CODA Crash on 18179 (Junk)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18180	0649 / 0729	Be	97.21	1625	21389	
Beam Current	PS1: PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		5908590	93.98	2.7k	62471	☒

Comments: 181/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18181	0730 / 0748	Be	98.25	1625	5033	
Beam Current	PS1: PS4: PS2: 7 PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		1258211	99.98	2.7k	67504	☒

Comments: 200/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 27 / 22 Initials: SCA

Configuration Name: CSB
10°/35° Part I

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- +9.2 (From GUI) θ(TV): 10° (Nearest 0.005)

Beam position and angle on target:

3H07A X	Y
_____ mm	_____ mm
Nominal:	Nominal:

3H07C X	Y
_____ mm	_____ mm
Nominal:	Nominal:

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
18183	18:23 / 18:37	Ld_2	100%	825		
Beam Current	PS1: 6 PS4: PS2: -1 PS5: -1 PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
50 μA		1.73M	99.98	2.8 kHz		

Comments: 0/50k 3/4 run,

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok [ ] Junk
18184	18:38 / 18:49	Ld_2	100%	825		
Beam Current	PS1: 6 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
50 μA		939k	99.98	2.8		

Comments: 0/50k 3/4 run, S1X (1-4) S2X (1-5)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[ ] Data ok [ ] Junk
18185	18:51 / 19:03	Ld_2	100%	425		
Beam Current	PS1: 5 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]
50 μA		1.18	90.3%	3.2 kHz		

Comments: 0/50k 3/4 run, S1X (1-5), S2X (1-6)

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/27/22 Initials: Ak

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18186	Start: 19:05 Stop: 19:20	Ld_2	95.83	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		479 k	99.98	~~7~~ 75 Hz		☒

Comments: 7/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18187	Start: 19:24 Stop:	Ld_2	100%	125		
Beam Current	PS1: 3 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1.37 M	99.97	~~822 Hz~~ 3.3 kHz	3/4 run	☒

Comments: 0/50k Coda Error.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18188	Start: 19:39 Stop:	Ca40	100%	225		
Beam Current	PS1: 4 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
45 μA		661 k	91.98	207 kHz		☒

Comments: 3/4 run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18189	Start: 19:48 Stop: 20:04	Ca40	100%	25		
Beam Current	PS1: -1 PS4: PS2: -1 PS5: -1 PS3: 0 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		194 k	99.99	287 Hz		☒

Comments: 8/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18190	Start: 20:11 Stop: 20:23	C12	100%	25		
Beam Current	PS1: -1 PS4: PS2: -1 PS5: -1 PS3: 0 PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA		80 K	99.99	141 Hz		☒

Comments: 4/50k

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/27/22 Initials: AK

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☒ Junk
18199	Start: 20:26	C12		50		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA				4.1 kHz		☐

Comments: No beam Jewle 3/4 run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18192	Start: 21:24 Stop: 21:33	C12	99.99	50		
Beam Current	PS1: 1 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
30 μA		759k	93.34	2.9 kHz		☒

Comments: 3/4 run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18193	Start: 21:34 Stop: 21:47	C12	100%			
Beam Current	PS1: 1 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
45 μA		1.89 M	99.97			☒

Comments: 3/4 run

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18194	Start: 22:03 Stop: 22:59	C12	100%	25	8	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
20 μA		229 K	99.99	85 Hz	8	☒

Comments: 1/50k

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18195	Start: 0004 Stop: 00:27	C12	100	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: 0 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA		154k	99.99	85		☒

Comments: 1/50k

E12-10-008/E12-06-105 Date: 10/28/22 Initials: SJS

SHMS Runsheet

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☒ Data ok ☐ Junk
18196	Start: 0031 Stop: 0042	Ca40	93.73	25	—	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS3: 0	158130	99.99	85	—	☒

Comments: Ended early due to N. Linac Fire Alarm Downtime 4/50k (?)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18197	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: EDTM = 4kHz DAQ tests No beam
crashed! (at end)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18198	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: EDTM = 4kHz DAQ tests No beam
this one ended ok

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18199	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: EDTM = 4kHz DAQ tests No beam
ended ok

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18200	Start: Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments: EDTM = 5kHz DAQ tests
ended ok

E12-10-008/E12-06-105 Date: 10 / 28 / 22 Initials:____

SHMS Runsheet

Run # 18201	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 6 kHz ended of DAQ tests

Run # 18202	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 6 kHz DAQ tests
ROC disconnected @ end → had to reboot ROC6

Run # 18203	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 6 kHz, DAQ tests
NO run - DAQ needed to be restarted

Run # 18204	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 6 kHz DAQ tests,
ended

Run # 18205	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 6 kHz DAQ tests
disconnect again

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 /28 /22 Initials: DC

Run # 18206	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: start run failed

Run # 18207	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 10 kHz End run failed

Run # 18208	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 10 kHz end run failed

Run # 18209	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 10 kHz end ok

Run # 18210	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 10 kHz end OK

E12-10-008/E12-06-105 Date: ___/___/___ Initials:____

SHMS Runsheet

Run # 18211	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 10 kHz and ok

Run # 18212	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 20 kHz and ok

Run # 18213	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 20 kHz and ok

Run # 18214	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 50 kHz and run failed

Run # 18215	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 50 kHz and OK

E12-10-008/E12-06-105 Date: ___/___/___ Initials:____

SHMS Runsheet

Run # 18216	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 50 kHz and run failed

Run # 18217	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 50 kHz and run failed

Run # 18218	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 50 kHz and ok

Run # 18219	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 50 kHz and ok

Run # 18220	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 50 KHZ and ok

E12-10-008/E12-06-105 Date: ___/___/___ Initials:____

SHMS Runsheet

Run # 18221	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 500 kHz and run failed

Run # 18222	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 500 kHz and ok

Run # 18223	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 500 kHz and ok

Run # 18224	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 500 kHz and run fail

Run # 18225	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: EDTM = 500 kHz and ok

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/28/22 Initials: H. V.

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate ~~25~~ *	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments: Runs 18226 – Run 18268 are lots of DAQ tests

Run # 18276	Start: 1:40 Stop: 1:50	Target: Ca40	E SING FID. EFF. 97	EDTM Rate 25 *	Extrapolated # of electrons (this run) 0	☑ Data ok ☐ Junk
Beam Current μA	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%) 100	DAQ Rate 380	Extrapolated # of electrons (this setting/targ) 0 ↑ positrons	50k Replay Done ☑

Comments: * 25 Hz but first 50k had 5 Hz

Run # 18277	Start: 1:52 Stop:	Target: Ca40	E SING FID. EFF. 100	EDTM Rate 25	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current μA	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%) 100	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐

Comments:

Run # 18278	Start: 2:37 Stop: 2:38	Target: LD2	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current 50 μA	PS1: 0 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) Very short	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐ No

Comments: 53.7 kHz → need ps1 = 6
Short run to find prescales since SHMS scalers not working between runs.

Run # 18279	Start: 2:39 Stop: 2:44	Target: LD2	E SING FID. EFF. 99	EDTM Rate 25	Extrapolated # of electrons (this run) 0	☑ Data ok ☐ Junk
Beam Current 50 μA	PS1: 6 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k) 442	Comp. Live time(%) 100	DAQ Rate 1.6 kHz	Extrapolated # of electrons (this setting/targ) e^+	50k Replay Done ☑

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 29 / 22 Initials: RM

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18280	2:45 Stop:	LD2	100	25	e^+	
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA			100	800 Hz	0	☑

Comments: ~~Changed HMS momentum to 1.86 SHMS same~~ – see below

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18281	3:21 Stop:	LD2				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA						☐

Comments: ~~Changed HMS momentum to 1.86 but SHMS is same.~~ need new config sheet ⇒

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10/29/22 Initials: RM

Configuration Name: Setting 3

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.541 GeV

SHMS
p: +/- _____ θ(TV): _____
From GUI Nearest 0.005

Beam position and angle on target:

3H07A X	Y
-.29 mm	-.33 mm
Nominal: -1	Nominal: -3

3H07C X	Y
-.69 mm	-.51 mm
Nominal: -.7	Nominal: -.5

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18281	Start: 3:21 Stop: 3:40	LD2	97	25		[x] Data ok [ ] Junk
Beam Current 50 μA	PS1: PS2: PS3: PS4: PS5: PS6:	CODA Events (k)	Comp. Live time(%) 99	DAQ Rate 750	Extrapolated # of electrons (this setting/targ)	50k Replay Done [x]

Comments: positrons

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18282	Start: 3:41 Stop:	LD2	100	25	0	[x] Data ok [ ] Junk
Beam Current μA	PS1: PS2: PS3: PS4: PS5: PS6:	CODA Events (k)	Comp. Live time(%) 100	DAQ Rate 1.6 kHz	Extrapolated # of electrons (this setting/targ) 0	50k Replay Done [x]

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18283	Start: 4:09 Stop:	LH2				[ ] Data ok [ ] Junk
Beam Current μA	PS1: 6 PS2: PS3: PS4: PS5: PS6:	CODA Events (k) very short	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done [ ]

Comments: LH2 now need to adjust ps 1

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/29/22 Initials: RM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18284	4:09 / 4:12	LH2	99	25	0	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:5 PS4:-1 PS2:-1 PS5:-1 PS3:-1 PS6:-1		99		0	☑

Comments: positrons

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18285	4:14 / 4:29	LH2	100	25	0	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA	PS1:-1 PS4:-1 PS2:-1 PS5:-1 PS3:0 PS6:-1	261k	100	300	0	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18286	4:35 /	dummy Al 10 cm	100	25	0	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1:-1 PS4:-1 PS2:-1 PS5:-1 PS3:0 PS6:-1		100	140	0	☑

Comments: 18287 is junk.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18288 (8)	4:57 / 5:00	Al		25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1:2 PS4:-1 PS2:-1 PS5:-1 PS3:-1 PS6:-1					☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18289	5:08 / 5:30	Ca40	100	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1:-1 PS4:-1 PS2:-1 PS5:-1 PS3:0 PS6:-1	3400	100			☑

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 29 / 22 Initials: RM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18290	Start: 5:30 Stop: 5:37	Ca40	100	25	0	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1		100		0	☑

Comments: positrons

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18291	Start: 5:41 Stop: 5:48	carbon				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1					☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18292	Start: 5:50 Stop:	carbon	100	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	144K	100			☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18293	Start: Stop: 6:27	carbon	100	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1		100	140		☑

Comments: changing HMS momentum 1.63 GeV
18294 junk Also 95, 96, 97, ~~98~~ (testing)

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18298 (8)	Start: 6:33 Stop:	carbon				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/29/22 Initials: RM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18299	6:50 / 7:11	carbon		25	0	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	3 -1 -1 -1 -1 -1	150k	100	150	positrons	☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18300	7:19 /	Ca40				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	3 -1 -1 -1 -1 -1					☐

Comments:

18301 – 2 short test runs, same conditions

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18301	/	Ca40				
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA						☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18302	7:30 /	Ca40	100	25	0	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	3 -1 -1 -1 -1 -1		100		positrons	☑

Comments: turned into a longer run. Had ~~trouble~~ trouble with 50k analysis. Fixed See HCLOG

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18303	7:37 / 7:59	Ca40	100	25		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	-1 -1 0 -1 -1 -1	15	100	150		☑

Comments:

ps3 = 0

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 29 / 22 Initials: [illegible]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18304	Start: 8:04 Stop: 8:17	Dummy	1	24 Hz		
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1	95	99.99	178		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
18305	Start: 8:23 Stop: 8:	Dummy				
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: 4 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1					☐

Comments: Forgot to save prescale

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18306	Start: 8:25 Stop: 8:30	Dummy		225		
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
40 μA	PS1: 4 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	180K				☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18307	Start: 8:37 Stop: 8:55	10cm LH2		25		
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1	243K	100	388		☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18308	Start: 8:57 Stop:	10cm LH2		225		
Beam Current	**PS1: PS2: PS3: PS4: PS5: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 4 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	1102K	91	3000		☑

Comments:

E12-10-008/E12-06-105 Date: 10/29/22 Initials: MB

SHMS Runsheet

Setting 4

Run #	Start: ~~8:57~~ 9:11 Stop: 9:22	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☑ Junk
18309		LD2	1.0	225		
Beam Current	PS1: 4 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA			60			

Comments: No good beam

Run #	Start: 9:35 Stop: 10:03	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18310		LD2		225		
Beam Current	PS1: 5 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		1647K		3K		

Comments: Beam trippy

Run #	Start: 10:08 Stop: 10:58	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18311		LD2		25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		413K				

Comments: Beam off for long periods

Run #	Start: 12:04 Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18312		LD2		25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		8.06K	100	850		

Comments: Beam trippy

Run #	Start: Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
μA						

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 29 / 22 Initials: [illegible]

Configuration Name: Setting 5 Positrons

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.541 GeV

SHMS
p: (+)/- 9.2 (From GUI)
θ(TV): 10.0 (Nearest 0.005)

Beam position and angle on target:

3H07A X	3H07A Y
-0.096 mm	-0.3 mm
Nominal:	Nominal:

3H07C X	3H07C Y
-0.70 mm	-0.51 mm
Nominal:	Nominal:

- Collimator [x]
- Sieve [ ]

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18313	Start: 12:51 Stop: 14:16	LD2	100	25		[x] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1	1542K	100	~900		[x]

Comments: Beam ON and OFF periods during Run

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18314	Start: 14:20 Stop: 14:35	LD2		425		[x] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 5 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	767K	100			[x]

Comments: Beam bad

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18315	Start: 14:52 Stop:	LH2		425		[x] Data ok [ ] Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 5 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	471K	100	1800		[x]

Comments: Beam bad

E12-10-008/E12-06-105 Date: 10/29/22 Initials: MJ

SHMS Runsheet

Setting #5 positron

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18316	Start: 14:54 Stop: 15:43	LH2	100	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
30 μA		397.608	100	400		

Comments: 30 μA

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
18317	Start: 16:40 Stop:	LH2		25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
10 μA		524	100	100		

Comments: beam current varies b/w 5-15 μA.

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☑ Junk
18318	Start: 17:49 Stop: 17:53	Al Dummy				
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
10 μA		11k	100	90		

Comments: beam too tripp y . Junk

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18319	Start: Stop:	Al Dummy	100			
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
10 μA		0	~~100~~			

Comments: Junk

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18320	Start: 17:55 Stop: 19:12	LH2	100	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		372	100	390		

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 29 / 22 Initials: SL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18321	19:19 / 19:36	Al Dummy	100	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		121 K	100	133		

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18322	19:40 /	Al Dummy	100	50		
Beam Current	PS1: 1 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
40 μA		217	88	3700		

Comments: 3/4

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18323	~~19:40~~ 20:00 / 20:05	Ca40	100	225		
Beam Current	PS1: 4 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		1026	88	3200		

Comments: 3/4

18325 → Junk

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18324	20:11 /	Ca40				
Beam Current	PS1: -1 PS4: PS2: -1 PS5: PS3: 0 PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☐
50 μA				582		

Comments: Junk. Wrong EDTM

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18326	20:15 / 20:46	Ca40	100	25		
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done ☑
50 μA		733	99.9	380		

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10/ 29/ 22 Initials: SL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18327	20:55 / 21:25	C12	100	25		☑
Beam Current	PS1: -1 PS4: -1 PS2: -1 PS5: -1 PS3: 0 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA		323	99.9	200		☑

Comments: ~~test PS~~

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18328	21:26 / 21:34	C12	100	125		☑
Beam Current	PS1: 3 PS4: -1 PS2: -1 PS5: -1 PS3: -1 PS6: -1	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA		929	98.7	2400		☑

Comments: 3/4. PS froze and restarted

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 29 / 22 Initials: SL

Configuration Name:
Setting 6
Positrons

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2 x 2

E_{beam}: 10.54 GeV

SHMS
p: +/- +9.2 (From GUI) θ(TV): 10.00 (Nearest 0.005)

Beam position and angle on target:

	X	Y
3H07A	-0.107 mm	-0.298 mm
Nominal:		
3H07C	-0.7 mm	-0.509 mm
Nominal:		

Collimator [x]
Sieve [ ]

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18329	Start: 22:54 Stop: 23:04	C12	100	125		[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: 3 PS2: -1 PS3: -1 PS4: -1 PS5: -1 PS6: -1	109	99.99	2486		[x]

Comments: 3/4

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18330	Start: 23:06 Stop: 23:21	C12	100	25		[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1		100	205		[x]

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18331	Start: 23:30 Stop:	Ca40	100	25		[x] Data ok [ ] Junk
Beam Current	**PS1/PS2/PS3/PS4/PS5/PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
55 μA	PS1: -1 PS2: -1 PS3: 0 PS4: -1 PS5: -1 PS6: -1	470	100	433		[x]

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 29 / 22 Initials: SL

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18332	Start: 11:59 Stop: 00:14	Ca40	99.99%	225	∅	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	PS1: 4 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	1503	99.99%	3K	∅	☑

Comments: 3/4

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18333	Start: 00:21 Stop: 00:29	Dummy	100%	125 HZ	∅	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: 3 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	481.8	99.99%	1.5 kHZ	∅	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18334	Start: 00:30 Stop: 00:49	Dummy	100%	125 Hz	2/50k	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
40 μA	PS1: -1 PS4: PS2: -1 PS5: -1 PS3: 0 PS6:	245K	99.99%	232 HZ	≈ 10	☑

Comments: EDTM rate too high! oh well, not a real problem

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18335	Start: 00:56 Stop: 01:20	LH2	100%	25 HZ	2/50k	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA	PS1: -1 PS4: PS2: -1 PS5: -1 PS3: 0 PS6:	373.6	99.98%	390 Hz	≈ 15	☑

Comments:

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18336	Start: 1:21 Stop:	LH2	100%	25 HZ	∅	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
55 μA	PS1: 4 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	762	90.81%	3 kHz	∅	☑

Comments: Forgot to change EDTM again!

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 30 / 22 Initials: BS

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18337	1:45 Stop:	LD2		225 HZ		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	4 -1 -1 -1			6.1 kHz!		☐

Comments: Junk. wrong PS

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18338	1:47 Stop: 1:55	LD2	100 %	425 HZ	Ø	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	5 -1 -1 -1	1141	92.57 %	3.2 kHz	Ø	☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
18339	Stop:	LD2		25 HZ		
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	-1 -1 0 -1					☐

Comments: Junk didn't save prescale!

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
1840	1:58 Stop: 2:30	LD2	100 %	25 HZ	2/50k	
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
50 μA	-1 -1 0 -1	1151	99.98 %	800 HZ	=46	☑

Comments:

Run #	Start:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Stop:					
Beam Current	PS1: PS4: PS2: PS5: PS3: PS6:	CODA Events (k)	Comp. Live time(%)	DAQ Rate	Extrapolated # of electrons (this setting/targ)	50k Replay Done
μA						☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 30 / 22 Initials: BS

Configuration Name: SHMS paddle study at 10.00 degrees

Purpose:
- ☐ Production
- ☒ Test
- ☐ Optics
- ☐ Other: _____

Raster: ☒ On ☐ Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +/- -9.2 (From GUI) θ(TV): 10.00 (Nearest 0.005)

Collimator ☑
Sieve ☐

Beam position and angle on target:

	X	Y
3H07A	-0.1 mm, Nominal: -0.09	-0.3 mm, Nominal: -0.3
3H07C	-.7 mm, Nominal: -0.68	-.49 mm, Nominal: -0.49

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18341	Start: 3:57 Stop: 4:02	LD2	98.95	25 Hz	14/50 k	☑ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1, PS2: 7, PS3: -1, PS4:, PS5: -1, PS6:	834.8	91.67	2.7 kHz	≈233	☑

Comments: wrong edtm end of run failed

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18342	Start: 4:09 Stop: 4:20	LD2	98.99%	1625 Hz	22/50K	☑ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: -1, PS2: 7, PS3: -1, PS4:, PS5: -1, PS6:	2012	92.66%	2.7 kHz	885	☑

Comments: end run failed again

Run #	Start / Stop	Target	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	Data ok / Junk
18343	Start: 4:22 Stop: 4:34	LD2	98.7%	1625 Hz	6/50K	☑ Data ok ☐ Junk
Beam Current	**PS1 / PS2 / PS3 / PS4 / PS5 / PS6**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 7, PS2: -1, PS3: -1, PS4:, PS5: -1, PS6:	2324	82.2%	3.9 kHz	279	☑

Comments:

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 30 / 22 Initials: BG

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18344	4:47 / 4:59	LD2	98.79	1625 Hz	11/50k	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	7 / -1 / -1 / -1	1868	93.28	2.6 kHz	411	☑

Comments: S1x(1-4) off
S2x(1-5) off

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18345	05:00 / 05:19	LD2	98.6	825 Hz	22/50k	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 / 6 / -1 / -1	2368	86.4	3.6 kHz	1042	☑

Comments: S1x(1-4), S2x(1-5)] off

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18346	05:29 / 05:48	C12	99.6	225 Hz	59/50k	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 / 4 / -1 / -1	2911	83.1	4 kHz	3435	☑

Comments: S1x(1-4) off
S2x(1-5) off

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18347	05:51 / 6:17	C12	99.4	225 Hz	61/50k	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 / 4 / -1 / -1	2032	87.5	3.3 kHz	2479	☑

Comments: S1x(1-5) off
S2x(1-6) off → pretty unstable beam

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18348	06:30 / 06:49	LD2	98.6	825 Hz	18/50k	
Beam Current	PS1: PS2: PS3: PS4: PS5: PS6:	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	-1 / 6 / -1 / -1	2075	89.8	3 kHz	747	☑

Comments: S1x(1-5) off
S2x(1-6) off

E12-10-008/E12-06-105

SHMS Runsheet

Date: 10 / 30 / 22 Initials: DG

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18349	Start: 06:51 Stop: 07:06	LD2	99.3%	825 Hz	17/50k	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 6 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	3064	99.9%	4.6 kHz	1042	☑

Comments: 3 1x (1-5) off
52x (1-6) off

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18350	Start: 07:08 Stop: 07:26	LD2	97.5%	825 Hz	11/50k	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 6 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	3016	77.2%	4.1 kHz	844	☑

Comments: 51x (1-6) off
52x (1-6) off

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18351	Start: 07:27 Stop: 07:41	LD2	96.7%	825 Hz	12/50k	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 6 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	2847	77.9%	4.2 kHz	683	☑

Comments: 51x (1-5) off
52x (1-7) off

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☑ Data ok ☐ Junk
18352	Start: 07:43 Stop:	LD2	98.2%	825 Hz	18/50k	
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA	PS1: 6 PS4: PS2: -1 PS5: -1 PS3: -1 PS6:	2739	85.9%	3.7 kHz	986	☑

Comments: 51x (1-6) off
52x (1-7) off

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	☐ Data ok ☐ Junk
	Start: Stop:					
Beam Current	**PS1: PS4: PS2: PS5: PS3: PS6:**	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
μA	PS1: PS4: PS2: PS5: PS3: PS6:					☐

Comments:

E12-10-008/E12-06-105
SHMS Runsheet

Date: 10 / 30 / 22 Initials: [illegible]

Configuration Name: SHMS 10 deg. Production!

Purpose:
- [x] Production
- [ ] Test
- [ ] Optics
- [ ] Other: _____

Raster: [x] On [ ] Off
Size: 2x2

E_{beam}: 10.54 GeV

SHMS
p: +(-) -9.2 (From GUI) θ(TV): 10.00 (Nearest 0.005)

Collimator [x]
Sieve [ ]

Beam position and angle on target:

	X	Y
3H07A	-0.096 mm	-.31 mm
Nominal:	-0.09	-0.3
3H07C	-.70 mm	-.506 mm
Nominal:	-0.68	~~-.48~~ -.49

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok / [ ] Junk
18353	Start: 8:07 Stop: 8:49	LD2	.966	825	3280	
Beam Current	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		5599K	100	3000	3280	[x]

Comments: ELREAL

234/5001K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok / [ ] Junk
18354	Start: 8:50 Stop:	LD2	.966	825		
Beam Current	PS1: -1 PS2: 6 PS3: -1 PS4: -1 PS5: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		4397	100	3000		[x]

Comments: ELREAL

48/50K

Run #	Start: / Stop:	Target:	E SING FID. EFF.	EDTM Rate	Extrapolated # of electrons (this run)	[x] Data ok / [ ] Junk
18355	Start: 9:21 Stop: 9:31	LD2	.94	425		
Beam Current	PS1: -1 PS2: -1 PS3: 5 PS4: -1 PS5: -1 PS6: -1	**CODA Events (k)**	**Comp. Live time(%)**	**DAQ Rate**	**Extrapolated # of electrons (this setting/targ)**	**50k Replay Done**
50 μA		1922K	100	3000		[x]

Comments: ELCLEAN