

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coinc OK?	Purpose/Comments
111111										
111112										
111113										
111114										
111115										
111116	10/30/2018									junk
111117	10/30/2018	20:05	20:20	C-hole	140000	yes	yes	yes	yes	Bad triggers - needed L
111118	10/30/2018	20:21	20:31	C-hole	829k	✓	✓	✓	✓	L-coinc triggers included, main
111119	10/30/2018	20:34	20:42	C-hole	367k	✓	✓	✓	✓	Spot++ center pos. was OK.
111120	10/30/2018									
111121	10/30/2018	20:54								FAD Viterbiy changed
111122	10/30/2018	21:15		C						harp scan (1.4, 1.8)
111123	10/30/2018	21:36		C						= 2.4, 2.8 (2.4, 2.8)
111124	10/30/2018	21:52		C						= (2.4, 0.8) ⇒ (2.4, 2.8)
111125	10/30/2018	22:08		C						= (0.4, 1.8)
111126	10/30/2018	22:18		C						= (0.4, 2.8)
111127	10/30/2018	22:29		C						= (1.4, 1.8)
111128	10/30/2018		22:46	C						= (2.4, 2.8)
111129	10/30/2018									
111130										

L-coinc too
use
91044
time spot
was old

1-3
⇒ (2.4, 2.8)
(0.4, 1.8)



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Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coinc OK?	Purpose/Comments
111131	10/30/2018									
111132	10/30/2018	22:54		Multif foil						Optics run (beam pos. not center)
111133	10/30/2018									
111134	10/30/2018									
111135	10/30/2018	23:29								
111136										
111137										
111138										
111139										
111140										
111141										
111142				Hydrogen						
111143										
111144										
111145	10/31/2018	01:15	02:19	Hydrogen	1.4M	✓		✓		Production / Beam Resection missing in lobby
111146	10/31/2018	02:20	03:17	Hydrogen	1.1M	✓		✓		Production / Beam Resection missing
111147	10/31/2018	03:13	04:38	Hydrogen	1M	✓		✓		Production / WCL called about issues with WCL
111148	10/31/2018	04:45	06:57	Hydrogen	1.1M	✓	✓	✓		Production / 10uA beam
111149	10/31/2018	06:08	07:25	Hydrogen	1M	✓	✓	✓		Production
111150	10/31/2018	07:26	8:40	Hydrogen	824K	✓	✓	✓		Production



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Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK? Plan refer after 16	R-HRS OK?	Coinc OK?	Purpose/Comments
111151	10/31/2018	8:44am	8:52	Hydrogen	81K	yes		OK	yes	Production Run
111152	10/31/2018	8:54am	9:14	Hydrogen	63K	yes				Production - Cosmics with LHS mode 10
111153	-	-	-	-	-	-	-	-	-	JUNK
111154	-	-	-	-	-	-	-	-	-	cosmics with LHS Model 10
111155	-	-	-	-	-	-	-	-	-	tune beam very
111156	-	9:46	10:01	-	-	-	-	-	-	able beam
111157	10/31/2018	10:00am	10:46	Hydrogen	1066K	yes	plan refer after 16	OK	yes	Production no tune beam
111158	10/31/2018	10:48am	11:43am	Hydrogen	729K	yes	"	OK	yes	Production -
111159	10/31/2018	11:44am	12:39	H. ^{10B}	845K	yes	"	"	11	Production - ~75%
111160	10/31/2018	12:49pm	13:48	H. ^{10B}	1288K	yes	OK	"	11	Production
111161	10/31/2018	13:49	14:43	H. ^{10B}	1171K	yes	OK	OK	OK	Production
111162	10/31/2018	14:44pm	15:19	H	1073K	yes	OK	OK	OK	Production
111163	10/31/2018	15:20pm	16:15	H	1212K	yes	OK	OK	OK	Production -
111164	10/31/2018	16:15	17:06	Hydrogen	1145K	yes	✓	✓	✓	Production
111165	10/31/2018	17:07	17:53	Hydrogen	1081K	yes	✓	✓	✓	Production
111166	10/31/2018	17:53	18:32	H. ^{10B}	1131K	yes	✓	✓	✓	Production
111167	10/31/2018	18:33	19:10	H. ^{10B}	1144K	yes	✓	✓	✓	Production
111168	10/31/2018	19:12	19:52	Hydrogen	1101K	yes	✓	✓	✓	Production
111169	10/31/2018	19:52	20:29	Hydrogen	1111K	yes	✓	✓	✓	Production
111170	10/31/2018	20:30		H. ^{10B}		yes	✓	✓	✓	Production

best run



Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coine OK?	Purpose/Comments
111171	10/31/2018	21:16	22:04	Hydrogen	1271K	yes	✓	✓	✓	Production
111172	10/31/2018	22:17	22:51	Hydrogen	1141K	yes	✓	✓	✓	Production
111173	10/31/2018	22:52	23:25	Hydrogen	1090K	yes	✓	✓	✓	Production
111174	10/31/2018	23:26	23:45	Hydrogen	254K	yes	✓	✓	✓	Production (stopped at 10m C beam trip)
111175	10/31/2018	00:20	00:55	Hydrogen	876K	yes	✓	✓	✓	Production (Emergency shift) stop beam
111176	10/31/2018	00:56	01:44	Hydrogen						Production
111177	10/31/2018	01:45	02:22	Hydrogen	1100K	yes	✓	✓	✓	Production
111178	10/31/2018	02:23	03:00	Hydrogen	1157K	yes	✓	✓	✓	Production
111179	11/01/2018	03:01	03:36	Hydrogen	1171K	yes	✓	✓	✓	Production
111180	11/01/2018	03:37	04:07	Hydrogen	831K	yes	✓	✓	✓	Production (stop for 40m beam trip)
111181	11/01/2018	04:08	04:45	Hydrogen	1077K	yes	✓	✓	✓	Production (Emergency shift)
111182	11/01/2018	04:46	05:24	Hydrogen	1102K	yes	✓	✓	✓	Production
111183	11/01/2018	05:25	05:52	Hydrogen	688K	yes	✓	✓	✓	Production (stop for 40m beam trip)
111184	11/01/2018	05:53	06:30	Hydrogen	1171K	yes	✓	✓	✓	Production
111185	11/01/2018	06:31	07:09	Hydrogen	1111K	yes	✓	✓	✓	Production
111186	11/01/2018	07:10	07:48	Hydrogen		yes	✓	✓	✓	Production
111187	11/01/2018	07:49	08:14	Hydrogen	627K	yes	✓	✓	✓	Production
111188	11/01/2018	08:52	09:36	Hydrogen	1214K	yes	✓	✓	✓	Production
111189	11/01/2018	09:37	10:15	Hydrogen	1169K	yes	✓	✓	✓	Production
111190	11/01/2018	10:16	11:04	Hydrogen	1139K	yes	✓	✓	✓	Production

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coine OK?	Purpose/Comments
111191	11/01/2018	11:05	11:50	Hydrogen	1165k	Yes	✓	✓	✓	production
111192	=	11:53	12:39	=	1322k	Yes	✓	✓	✓	=
111193	=	12:40	13:28	=	1279k	Yes	✓	✓	✓	=
111194	=	13:29	14:04	=	938k	Yes	✓	✓	✓	=
111195	=	14:08	14:47	=	1218k	Yes	✓	✓	✓	=
111196	=	14:47	15:58	=	1339k	Yes	✓	✓	✓	=
111197	=	15:59	16:54	=	1104k	Yes	✓	✓	✓	=
111198	11/01/2018	16:35	17:15	=	1063k	Yes	✓	✓	✓	Production
111199	11/01/2018	17:15	17:53	=	1115k	Yes	✓	✓	✓	Production
111200	11/01/2018	17:53	18:39	=	1170k	Yes	✓	✓	✓	Production
111201		18:30	19:27		1111k	✓	✓	✓	✓	✓
111202		19:30	20:20	"	1620k	✓	✓	✓	✓	✓
111203		20:20	20:55	"	1087k	✓	✓	✓	✓	✓
111204		20:56	21:33	"	1111k	✓	✓	✓	✓	✓
111205		21:33	22:08	"	1082k	✓	✓	✓	✓	✓
111206		22:09	22:59	"	1123k	✓	✓	✓	✓	✓
111207		23:00	23:49	"	1200k	✓	✓	✓	✓	✓
111208	11/01/2018	23:48	00:38	"	1705k	✓	✓	✓	✓	✓
111209	11/02/2018	00:39	01:15	"	10752k	✓	✓	✓	✓	✓
111210	11/02/2018	01:16	01:24	"	144k	✓	✓	✓	✓	✓

SAB stand for HWP stand

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coinc OK?	Purpose/Comments
111211	11/02/2018	01:17	02:06	Hydrogen	1078k	Yes	Yes	Yes	Yes	Production
111212	11/02/2018	02:07	02:44	Hydrogen	1017k	"	"	"	"	Production
111213	11/02/2018	02:49	03:22	"	1017k	"	"	"	"	"
111214	11/02/2018	03:23	04:17	"	1154k	"	"	"	"	"
111215	11/02/2018	04:18	04:52	"	1083k	"	"	"	"	"
111216	11/02/2018	04:55	05:31	"	1064k	"	"	"	"	"
111217	11/02/2018	05:32	06:11	"	1071k	"	"	"	"	"
111218	11/02/2018	06:12	06:52	"	1097k	"	"	"	"	"
111219	11/02/2018	06:58	07:50	"	1071k	"	"	"	"	"
111220	11/02/2018	07:51	08:24	H	517k	✓	✓	✓	✓	↓ (47% change)
111221	11/02	10:54	10:24	T2	520k	✓	✓	✓	✓	Beam Position not stable (50%)
111222	11/02	11:24	12:34	T2	1128k	✓	✓	✓	✓	Production
111223	11/02	12:35	1:37	T2	1056M	✓	✓	✓	✓	Prod
111224	11/02	1:38	1:55	T2	212k	✓	✓	✓	✓	Prod (stopped for half scan)
111225	11/02	2:01	2:09	T2	83k	✓	✓	✓	✓	Prod (Fast feedback off)
111226	11/02	2:10	2:52	T2	1116M	✓	✓	✓	✓	Prod
111227	11/02	2:53	3:50	T2	101M	✓	✓	✓	✓	Prod
111228	11/02	3:51	16:19	T2	478k	yes	✓	✓	✓	Prod
111229	11/02/2018	16:19	17:05	"	943k	yes	✓	✓	✓	production
111230	"	17:07	17:50	"	1126k	yes	✓	✓	✓	"

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Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coinc OK?	Purpose/Comments
111231	Nov/02/2018	17:50	18:34	T2	1283 K	yes	✓	✓	✓	production
111232	"	18:35	19:14	"	1139K	yes	✓	✓	✓	"
111233	"	19:15	19:51	"	1106K	yes	✓	✓	✓	"
111234	"	19:52	20:33	"	1107K	yes	✓	✓	✓	"
111235	"	20:42	21:22	"	1003K	yes	✓	✓	✓	"
111236	"	21:23	22:08	"	1102K	yes	✓	✓	✓	"
111237	"	22:09	22:17	"	117K	yes	✓	✓	✓	production, stop due to busy scan
111238	"	23:24	00:12	"	1135K	yes	✓	✓	✓	production
111239	Nov/13/18	00:22	00:58	"	1012K	yes	✓	✓	✓	"
111240	"	00:59	01:35	"	1047K	yes	✓	✓	✓	"
111241	"	01:35	02:11	"	9970K	Y	✓	✓	✓	"
111242	"	01:36	02:48	"	1112K	Y	✓	✓	✓	"
111243	"	02:49	03:25	"	1060K	Y	✓	✓	✓	"
111244	"	03:26	04:01	"	1114K	Y	✓	✓	✓	"
111245	"	04:01	04:34	"	1026K	Y	✓	✓	✓	"
111246	"	04:35	05:13	"	1006K	Y	✓	✓	✓	"
111247	"	05:23	06:04	"	1019K	Y	✓	✓	✓	"
111248	"	06:05	06:40	"	1007K	Y	✓	✓	✓	"
111249	"	06:40	07:11	"	1005K	Y	✓	✓	✓	"
111250	"	07:11	07:55	"	1018K	Y	✓	✓	✓	"

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Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coinc CK?	Purpose/Comments
111251	11/3/18	7:55am	8:30am	Tritium	1035K	Y	✓	✓	✓	production
111252	11/3/18	8:32am	9:09am	"	1066k	Y	✓	✓	✓	"
111253	11/3/18	9:09am	9:45am	"	1033k	Y	✓	✓	✓	"
111254	11/3/18	9:45am	10:27am	"	1262k	Y	✓	✓	✓	"
111255	11/3/18	10:27am	10:28am	"	216	NO	—	—	—	stopped for harp scan
111256	"	10:31am	11:07am	"	1106k	Y	✓	✓	✓	production
111257	"	11:08am	11:44am	"	1122k	Y	✓	✓	✓	"
111258	"	11:45am	12:29pm	"	1059k	✓	✓	✓	✓	"
111259	"	12:29pm	1:307pm	"	1045k	✓	✓	✓	✓	"
111260	"	13:07pm	13:42pm	"	1060k	✓	✓	✓	✓	"
111261	"	13:42pm	14:01pm	"	389k	✓	✓	✓	✓	stopped for (beam off) good run!
111262	"	14:24pm	15:05pm	"	1089k	✓	✓	✓	✓	production
111263	"	15:05pm	15:29pm	"	647k	✓	✓	✓	✓	good stopped due to no beam
111264	11	17:44pm	17:53	"						BEAM STOP CHECK - UNSTABLE
111265	11	17:55pm	—	"						STOP BEAM STOP CHECK
111266	11	19:57pm	—	"						26 kK (production)
111267	11	19:01pm	18:24	"	591k	✓	✓	✓	✓	STOPPED BECAUSE BEAM POSITION UNSTABLE
111268	11	18:22pm	18:56pm	"	1099	✓	✓	✓	✓	production
111269	11	18:59pm	19:34	"	1101	✓	✓	✓	✓	"
111270	11	19:35pm	19:12	"	626k	✓	✓	✓	✓	34% of 40mC

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Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coinc OK?	Purpose/Comments
111271	11/3/2018	19:47	20:32	Tritium	1.52K	✓	✓	✓	✓	Production
111272	11	20:35	21:12	11	1.031K	✓	✓	✓	✓	11
111273	11	21:26	21:56	11	1.084K	✓	✓	✓	✓	11
111274	11	22:01	22:46	11	1.075K	✓	✓	✓	✓	11
111275	11	22:47	23:25	11	1.093K	✓	✓	✓	✓	11
111276	11	23:26	00:08	11	1.153K	✓	✓	✓	✓	11
111277	11/4/2018	00:06	00:43	11	1M	✓	✓	✓	✓	11
111278	11/4/2018	00:44	01:01	Tritium	518K	✓	✓	✓	✓	Production/50% MCC called and wanted to do a trap scan.
111279	11/4/2018	01:09	01:10	Tritium	—	—	—	—	—	Swank
111280	11/4/2018	01:19	01:50	Tritium	1M	✓	✓	✓	✓	Production
111281	11/4/2018	01:51	01:27	Tritium	1.1M	✓	✓	✓	✓	Production/100% light savings happened...
111282	11/4/2018	01:28	02:13	Tritium	1.2M	✓	✓	✓	✓	Production
111283	11/4/2018	02:13	03:01	Tritium	1M	✓	✓	✓	✓	Production
111284	11/4/2018	03:01	03:34	Tritium	1M	✓	✓	✓	✓	Production
111285	11/4/2018	03:35	04:14	Tritium	907K	✓	✓	✓	✓	Production/90% MCC wanted to do a trap scan.
111286	11/4/2018	04:27	05:04	Tritium	1M	✓	✓	✓	✓	Production/MCC had issues with X ROS,
111287	11/4/2018	05:05	05:47	Tritium	321K	✓	✓	✓	✓	Production/MCC having issues with fast feedback
111288	11/4/2018	05:55	06:23	Tritium	311K	✓	✓	✓	✓	Production/MCC having issues with nbeam
111289	11/4/2018	06:57	07:33	Tritium	1M	✓	✓	✓	✓	Production
111290	11/4/2018	07:34	08:12	Tritium	1M	✓	✓	✓	✓	Production

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Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coine OK?	Purpose/Comments
111291	11/4/18	8:12	0:32	Tritium	330k	✓	✓	✓	✓	Production (no beam)
111292	11/4/18	12:35 pm	12:38 pm	Carbon hole	164k					Spot check (posted) ? PSI=1 PSK=1
111293	11/4/18	13:05 pm	13:08 pm	Carbon hole	137k					Spot check (posted)
111294	11/4/18	13:25 pm	14:02 pm	Tritium	1042k	✓	✓	✓	✓	production
111295	11/4/18	14:03 pm	14:42 pm	Tritium	1016k	✓	✓	✓	✓	
111296	11/4/18	14:43 pm	15:25 pm	"	1078k	✓	✓	✓	✓	
111297	11/4/18	15:26 pm	16:10 pm	"	1053k	✓	✓	✓	✓	
111298	11/4/18	16:11 pm	16:18	"	170k	✓	✓	✓	✓	Production stopped for 1890
111299	11/4/18	16:26	17:03	"	391k	✓	✓	✓	✓	Production 39%
111300	11/4/18	17:15	17:54	"	1134k	✓	✓	✓	✓	Production 108%
111301	11/4/18	17:54	18:30	"	1077k	✓	✓	✓	✓	
111302	11/4/18	18:31	19:18	"	1126k	✓	✓	✓	✓	
111303	11/4/18	19:19	20:11	"	1088k	✓	✓	✓	✓	
111304	11/4/18	20:11	20:58	"	1081	✓	✓	✓	✓	
111305	11/4/18	20:59	21:40	"	1125	✓	✓	✓	✓	
111306	11/4/18	21:40	22:33	"	1043k	✓	✓	✓	✓	
111307	11/4/18	22:34	23:13	"	1102k	✓	✓	✓	✓	
111308	11/4/18	23:14	23:56	"	977k	✓	✓	✓	✓	
111309	11/4/18	23:56	00:29	"	1619k	✓	✓	✓	✓	
111310	11/05/18	00:37	01:22	"	1059k	✓	✓	✓	✓	

2018 Sep 5
 DMK
 after this run

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coine OK?	Purpose/Comments
111311	11/5/18	01:23	01:59	Tritium	1013K	✓	✓	✓	✓	production
111312	"	02:00	02:14	T1	114K	✓	✓	✓	✓	(Harpsen after-thin run)
111313	"	02:22	03:10	"	113K	✓	✓	✓	✓	"
111314	"	02:41	03:47	"	1107K	✓	✓	✓	✓	"
111315	"	02:48	04:05	"	384K	✓	✓	✓	✓	" (Harpsen check)
111316	"	04:23	05:04	"	1031	✓	✓	✓	✓	"
111317	"	05:05	06:04	"	1400	✓	✓	✓	✓	code crashed.
111318	JUNK									
111319	05-58 11	06:05	07:05	"	1413 1413	✓	✓	✓	✓	(Beam trapped for long)
111320	"	7:05	7:38	"	1414 1414	✓	✓	✓	✓	
111321	Nov 5, '18	7:39	8:27	Tritium	1.38M	✓	✓	✓	✓	production 1.38x10 ⁶ events
111322	"	8:55	8:58	25cm Dummy	stop to adjust p2 factors to 1					Beam studies, mostly tune beam
111323	"	8:59	9:26	same						ps: 100, 0, 28, 120, 1, 0, 0, 0 Adjust to 1, 0, 1, 1, 0, 0, 0
111324	Nov 5	9:30	9:37							BPM pedestal, IOCSEE 10 forced
111325	"	9:39	10:51							gain = 0 Mostly cosmic ps: 1, 3, 4, 5 = 1, rest 0.
111326	"	10:53	14:05	Dummy	6.6M					ps1=10, ps2=20, ps3&4=10, ps5=1
111327	"	14:12	14:15	C Hole						spot ++
111328	"	14:16	14:19	C Hole	91K					spot ++ Beam centering
111329	"	14:24	14:27	carbon	54K					raster calibrations
111330	"	14:28	14:30	cat bun						"

owl

Forget no-8 event

some were checked,
some not

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111331	Nov 5 '18	14:30	14:33	carbon	111k	✓	✓	✓	✓	raster calibrations
111332	"	14:49	15:32	tritium	544k	✓	✓	✓	✓	production
111333	11/5/18	15:33	16:15	Tritium	555k	✓	✓	✓	✓	production
111334	11/5/18	16:16	16:53	Tritium	489k	✓	✓	✓	✓	production
111335	11/5/18	16:54	17:30	Tritium	487k	✓	✓	✓	✓	production
111336	11/5/18	17:31	18:13	Tritium	496k	✓	✓	✓	✓	production
111337	11/5/18	18:14	18:48	Tritium	496k	✓	✓	✓	✓	production
111338	11/5/18	18:49	19:35	Tritium	498k	✓	✓	✓	✓	production
111339	11/5/18	19:36	19:48	Tritium	168k	✓	✓	✓	✓	production
111340	11/5/18	19:58	20:13	Tritium	225k	✓	✓	✓	✓	production
111341	11/5/18	20:59	21:39	Tritium	513k	✓	✓	✓	✓	production
111342	11/5/18	21:45	22:18	Tritium	503k	✓	✓	✓	✓	production
111343	11/5/18	22:19	22:59	Tritium	498k	✓	✓	✓	✓	production
111344	11/5/18	23:00	23:37	Tritium	488k	✓	✓	✓	✓	production
111345	11/5/18	23:38	00:17	Tritium	489k	✓	✓	✓	✓	production
111346	11/6/18	00:18	00:49	Tritium	492k	✓	✓	✓	✓	production
111347	11/6/18	00:58	01:34	Tritium	496k	✓	✓	✓	✓	Production
111348	11/6/18	01:35	02:08	Tritium	498k	✓	✓	✓	✓	Production
111349	11/6/18	02:08	02:41	Tritium	522k	✓	✓	✓	✓	Production
111350	11/6/18	02:41	03:34	Tritium	495k	✓	✓	✓	✓	Production

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111351	11/06/18	03:35	04:07	Tritium	224K	✓	✓	✓	✓	Production 58% MCC had issues with beam
111352	11/06/18	04:34	05:12	Tritium	329K	✓	✓	✓	✓	Production 67% MCC having more issues
111353	11/06/18	05:17	05:58	Tritium	491K	✓	✓	✓	✓	Production
111354	11/06/18	05:58	06:54	Tritium	561K	✓	✓	✓	✓	Production
111355	11/06/18	06:54	07:29	Tritium	500K	✓	✓	✓	✓	Production
111356	11/06/18	07:39		Tritium		✓	✓	✓	✓	Production
111357										
111358										
111359										
111360										
111361	11/06/2018	11:06		Home		✓	✓	✓	✓	Cosmic ray
111362										
111363										
111364	11/06/2018	15:05	15:29	Tritium	289K	✓	✓	✓	✓	production
111365	11/06/2018	15:39	15:52	Tritium	202K	✓	✓	✓	✓	production
111366	11/06/2018	15:53	16:32	Tritium	454K	✓	✓	✓	✓	production
111367	11/06/18	16:33	17:14	Tritium	544K	✓	✓	✓	✓	Production
111368	11/06/18	17:15	17:35	Tritium	313K	✓	✓	✓	✓	Production stopped because of problem with TDC
111369	11/06/18	17:41	18:24	Tritium	571K	✓	* ✓	✓	✓	LHRS TDC not for 58 ps involved of 56 ps.
111370	11/06/18	18:25	19:26	Tritium	493K	✓	✓	✓	✓	Production

* TDC spectra in HRS-L are more different.

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111371	11/06/18	19:06	19:43	Tritium	490K	✓	✓	✓	✓	Production.
111372	11/06/18	19:44	20:18	Tritium	488K	✓	✓	✓	✓	Production.
111373	11/06/18	20:19	21:04	Tritium	619K	✓	✓	✓	✓	Production.
111374	11/06/18	21:04	21:40	Tritium	526K	✓	✓	✓	✓	Production. ⇒ HARP SCAL. <u>here</u>
111375	11/06/18	21:50	22:36	Tritium	512K	✓	✓	✓	✓	Production.
111376	11/06/18	22:37	23:13	Tritium	489K	✓	✓	✓	✓	Production. HRS-R, F1-TDC Drifts!
111377	11/06/18	23:14	23:47	Tritium	500K	✓	✓	✓	✓	Production
111378	11/06/18	23:48	00:23	Tritium	497K	✓	✓	✓	✓	Production. Warning in the analysis! F1 & TDC.
111379	11/07/18	00:49	01:05	Tritium	167K	✓	✓	✓	✓	Production after hary scan - just ended run too soon.
111380	11/07/18	01:07	1:45	Tritium	101K	✓	✓	✓	✓	Production long period/no beam.
111381	11/07/18	03:08	04:01	Tritium	514K	✓	✓	✓	✓	Production after long downtime.
111382	11/07/18	04:01	04:52	Tritium	570K	✓	✓	✓	✓	Production
111383	11/07/18	04:55	05:34	Tritium	505K	✓	✓	✓	✓	Production
111384	11/07/18	05:35	06:09	Tritium	500K	✓	✓	✓	✓	Reduction
111385	11/07/18	06:09	06:48	Tritium	554K	✓	✓	✓	✓	Production
111386	11/07/18	06:49	07:30	Tritium	512K	✓	✓	✓	✓	Production
111387	11/07/18	07:31	08:08	Tritium	526K	✓	✓	✓	✓	Production
111388	11/07/18	08:18	08:41	?	130K	✓	✓	✓	✓	stop run due to 1619 down
111389	?	08:48	08:51	:	53K	✓	✓	✓	✓	PS1=PS2=PS3=PS4=PS5=PS6=0
111390	?	08:51	08:53	:	1K	✓	✓	✓	✓	PS1=1, PS2=0, PS3=1, PS4=1, PS5=1 PS6=0 Cosmic ray

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111391	11/07/2018	08:55	09:33	Tritium	547k	✓	✓	✓	✓	production.
111392	~	09:34	10:11	~	507k	✓	✓	✓	✓	~
111393	~	10:12	10:53	~	503k	✓	✓	✓	✓	~
111394	~	10:53	11:32	~	550k	✓	✓	✓	✓	~
111395	~	11:32	12:08	~	552k	✓	✓	✓	✓	~
111396	~	12:15	12:48	~	577k	✓	✓	✓	✓	~
111397	~	12:49	13:32	~	539k	✓	✓	✓	✓	~
111398	~	12:32	14:09	~	531k	✓	✓	✓	✓	~
111399	~	14:09	14:46	~	518k	✓	✓	✓	✓	~
111400	~	14:48	15:29	~	501k	✓	✓	✓	✓	~
111401	~	15:30	16:07	~	490k	✓	✓	✓	✓	~
111402	u	16:08	16:59	u	607k	✓	✓	✓	✓	u (*) MITDC lines
111403	u	17:12	17:45	u	521k	✓	✓	✓	✓	u (*)
111404	u	17:47	18:25	u	501k	✓	✓	✓	✓	u (*)
111405	u	18:26	19:05	u	554k	✓	✓	✓	✓	u
111406	u	19:06	19:45	u	507k	✓	✓	✓	✓	u
111407	u	19:45	20:17	u	499k	✓	(u)	✓	✓	see halog 3622716
111408	u	20:25	20:56	u	501k	✓	✓	✓	✓	production
111409	u	20:57	21:40	u	514k	✓	✓	✓	✓	~u~
111410	u	22:28	23:01	u	503k	✓	✓	✓	✓	after Coda reboot

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111411	11/7/2018	23:02	23:42	T	511K	✓	✓	✓	✓	production
111412	11/7/2018	23:43	00:21	T	498K	✓	✓	✓	✓	production
111413	11/8	00:34	01:28	T	501K	✓	✓	✓	✓	Production after harp scan
111414	11/8	01:28	02:13	T	541K	✓	✓	✓	✓	Production
111415	11/8	02:14	02:58	T	294K	✓	✓	✓	✓	Production; lost beam
111416	11/8	02:23	04:02	T	542K	✓	✓	✓	✓	Production
111417	11/8	04:02	04:17	T	52K	✓	✓	✓	✓	Production; lost beam
111418	11/8	04:42	05:42	T	521K	✓	✓	✓	✓	Production; after harp scan
111419	11/8	05:42	06:30	T	484K	✓	✓	✓	✓	Production
111420	11/8	06:33	06:54	T	200K	✓	✓	✓	✓	Production; lost beam
111421	11/8	07:48	08:23	T	498K	✓	✓	✓	✓	Production; after beamoff
111422	11/8	8:32	9:07	T	514K	✓	✓	✓	✓	production
111423	11/8	9:08am	10:05	T	554K	✓	✓	✓	✓	production
111424	11/8	10:06	10:43	T	518K	✓	✓	✓	✓	production
111425	11/8	10:44	11:20	T	517K	✓	✓	✓	✓	production
111426	11/8	11:21am	11:59am	T	520K	✓	✓	✓	✓	Production
111427	11/08	12:0 Pm	12:35	T	499K	✓	✓	✓	✓	Production
111428	11/08	12:36	13:12	T	525K	✓	✓	✓	✓	production
111429	11/08	13:13	13:46	T	510K	✓	✓	✓	✓	production
111430	11/08	13:47	14:22	T	512K	✓	✓	✓	✓	Production

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111431	11/18	14:23	15:16	T	513K	✓	✓	✓	✓	Production
111432	11/18/2018	15:17	15:54	T	532K	✓	✓	✓	✓	Production
111433	11/18/18	15:54	16:28	T	520K	✓	✓*	✓	✓	Production ADC named in HRS-L
111434	11/08/18	16:28	17:08	Tritium	577K	✓	✓	✓	✓	Production *HARP
111435	11/08/18	17:14	17:54	Tritium	539K	✓	✓	✓	✓	Production
111436	11/08/18	17:55	18:41	Tritium	725K	✓	✓	✓	✓	Production
111437	11/08/18	18:42	19:25	Tritium	546K	✓	✓*	✓	✓	Production ADC-IDC named in HRS-L
111438	11/08/18	19:26	20:02	Tritium	506K	✓	✓	✓	✓	Production
111439	11/08/18	20:03	20:41	Tritium	504K	✓	✓	✓	✓	Production
111440	11/08/18	20:41	21:22	Tritium	572K	✓	✓	✓	✓	Production
111441	11/08/18	21:22	22:02	Tritium	502K	✓	✓	✓	✓	Production
111442	11/08/18	22:03	22:37	Tritium	495K	✓	✓	✓	✓	Production
111443	11/08/18	22:47	23:20	Tritium	491K	✓	✓*	✓	✓	Production *HARP
111444	11/08/18	23:21	23:55	Tritium	512K	✓	✓	✓	✓	Production Checkers, PRT, empty
111445	11/08/18	23:56	00:36	Tritium	554K	✓	✓	✓	✓	Production
111446	11/09	00:36	01:11	T	503K	✓	✓	✓	✓	Production *HARP
111447	11/09	01:21	01:53	T	500K	✓	✓	✓	✓	Production
111448	11/09	01:54	02:34	T	588K	✓	✓	✓	✓	Production
111449	11/09	02:34	03:09	T	505K	✓	✓	✓	✓	Production
111450	11/09	03:10	03:45	T	502K	✓	✓	✓	✓	Production

2018

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111451	11/09	03:46	04:18	T	503K	✓	✓	✓	✓	Production
111452	11/09	04:19	04:58	T	548K	✓	✓	✓	✓	Production
111453	11/09	04:59	05:30	T	481K	✓	✓	✓	✓	Production #HARP
111454	11/09	05:53	06:50	T	674K	✓	✓	✓	✓	Production
111455	11/09	06:51	07:33	T	562K	✓	✓	✓	✓	Production #HARP
111456	11/09	07:41	8:20	T	504K	✓	✓	✓	✓	Production
111457	11/09	8:20	8:54	T2	513K	✓	✓	✓	✓	Production
111458	11/09	8:55	9:29	T2	499K	✓	✓	✓	✓	Production
111459	11/09	9:30	10:17	T2	503K	✓	✓	✓	✓	Production
111460	11/09	10:18	10:54	T2	501K	✓	✓	✓	✓	Production
111461	11/09	10:55	11:36	T2	492K	✓	✓	✓	✓	Production
111462	11/09	11:37	12:14	T2	527K	✓	✓	✓	✓	Production
111463	11/09	12:15	12:41	T2	301K	✓	✓	✓	✓	Production
111464	11/09	12:58	13:25	T2	556K	✓	✓	✓	✓	Production
111465	11/09	13:28	14:12	T2	506K	✓	✓	✓	✓	Production
111466	11/09	14:12	14:50	T2	517K	✓	✓	✓	✓	Production
111467	11/09	14:51	15:11	T2	202K	✓	✓	✓	✓	Production
111468										Junk
111469	11/09	15:47		T2						OS main (P51=P52=P53=P54) =P55=P56=1)
111470	11/09	19:12	19:14	H.C.	111K					Spit ++ recu. per-Han. Wrong x

NO 00

2018

5/11/2018

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111471	11/09/18	19:15	19:21	Ho.C	394k	✓	✓	✓	✓	Spot++ @ 10pA
111472	11/09/18	19:34	19:38	T	57k	✓	✓	✓	✓	invr, no FB back
111473	11/09/18	19:39	20:17	T	593k	✓	✓	✓	✓	production
111474	11/09/18	20:18	20:58	T	521k	✓	✓	✓	✓	production
111475	11/09/18	20:59	21:35	T	524k	✓	✓	✓	✓	production
111476	11/09/18	21:36	22:08	T	517k	✓	✓	✓	✓	production
111477	11/09/18	22:09	22:29	T	320k	✓	✓	(✓)	✓	production, F1JDC shift
111478	11/09/18	22:37	23:10	T	511k	✓	✓	✓	✓	production
111479	11/09/18	23:12	23:48	T	498k	✓	✓	✓	✓	production
111480	11/10/18	23:57	00:37	H	614K	✓	✓	✓	✓	Production
111481	11/10	00:38	01:18	H	606K	✓	✓	✓	✓	Production *HARP
111482	11/10	01:24	02:07	H	600K	✓	✓	✓	✓	Production
111483	11/10	02:08	02:56	H	603K	✓	✓	✓	✓	Production
111484	11/10	02:57	03:46	H	740K	✓	✓	✓	✓	Production
111485	11/10	03:46	04:22	H	541K	✓	✓	✓	✓	Production
111486	11/10	04:23	04:24	H	NA	✓	✓	✓	✓	Production During the HARP
111487	11/10	04:54	05:12	H	555K	✓	✓	✓	✓	Production
111488	11/10	05:12	06:16	H	567K	✓	✓	✓	✓	Production beam down for bit
111489	11/10	06:16	07:01	H	603K	✓	✓	✓	✓	Production beam spotty
111490	11/10	07:02	07:54	H	562K	✓	✓	✓	✓	Production beam off for a bit

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2018

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111491	11/10	07:54	08:51	H	556k	✓	✓	✓	✓	Production
111492	11/10	08:52	09:34	H	510k	✓	✓	✓	✓	Production
111493	11/10	09:58	10:44	H	574k	✓	✓	✓	✓	Production
111494	11/10	10:45	11:22	H	565k	✓	✓	✓	✓	Production
111495	11/10	11:22	11:38	H	178k	✓	✓	✓	✓	Production/123 drops out of HN
111496	11/10	16:07	19:18	C-hole	215k	✓	✓	✓	—	Cosmic
111497	11/10	21:19	21:19	C-hole	140k	✓	✓	✓	—	spot ++
111498	11/10	21:41	22:10	H	210k	✓	✓	✓	✓	Production
111499	11/10	22:59	23:28	H	504k	✓	✓	✓	✓	Production
111500	11/10	23:29	23:43	H	237k	✓	✓	✓	✓	Production (17nd)
111501	11/10	23:43	24:18	H	588k	✓	✓	✓	✓	Production
111502	11/11	00:29	01:14	H	662k	✓	✓	✓	✓	Production
111503	11/11	01:15	01:48	H	587k	✓	✓	✓	✓	Production
111504	11/11	01:48	02:21	H	558k	✓	✓	✓	✓	Production
111505	11/11	02:22	03:10	H	580k	✓	✓	✓	✓	Production / codes error
111506	11/11	03:29	04:19	H	656k	✓	✓	✓	✓	Production
111507	11/11	04:19	05:08	H	674k	✓	✓	✓	✓	Production
111508	11/11	05:32	06:14	H	628k	✓	✓	✓	✓	Production
111509	11/11	06:14	06:57	H	578k	✓	✓	✓	✓	Production
111510	11/11	06:58	07:35	H	608k	✓	✓	✓	✓	Production

Final? Decan is back
stopped ~ 14mC

FLTOC moved

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111511	11/11	07:42	08:30	H	654K	✓	✓	✓	✓	Production
111512	11/11	08:30	09:09	H	562K	✓	✓	✓	✓	Production
111513	11/11	09:09	09:55	H	570K	✓	✓	✓	✓	Production
111514	11/11	09:56	10:44	H	641K	✓	✓	✓	✓	Production
111515	11/11	10:54	11:31	H	591K	✓	✓	✓	✓	Production
111516	11/11	11:32	12:10	H	601K	✓	✓	✓	✓	Production
111517	11/11	12:10	12:51	H	626K	✓	✓	✓	✓	Production
111518	11/11	13:03	13:41	H	563K	✓	✓	✓	✓	Production
111519	11/11	13:42	14:19	H	561K	✓	✓	✓	✓	Production
111520	11/11	14:24	14:59	H	574K	✓	✓	✓	✓	Production
111521	11/11	14:59	15:32	H	554K	✓	✓	✓	✓	Production
111522	11/11	15:33	16:09	H	634K	✓	✓	✓	✓	Production
111523	11/11	16:10	16:58	H	632K	✓	✓	✓	✓	Production
111524	"	17:06	17:35	H	707K	✓	✓	✓	✓	"
111525	"	17:35	18:32	H	299K	✓	✓	✓	✓	"
111526	"	19:18	19:18	H	Junk					Junk
111527	"	19:19	21:39	H	487	✓	✓	✓	✓	Cosmic (P1=PS3=PS4=PS5)
111528	"	22:03	22:03	C-hall	Junk					Production Carbon-hall
111529	"	22:06	22:08	"	135K					PS1=1, PS4=1, PS5=1
111530	"	22:09	22:12	"	93K					"

(PS1=10, PS2=0, PS4=0, PS5=1)

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111531	11/11	02:27	23:52	H	720	✓	✓	✓	✓	production
111532	11	23:52	0:36	H	570K	✓	✓	✓	✓	production
111533	11/12	00:37	1:13 am	H	568K	✓	✓	✓	✓	Production → production.
111534	11/12	01:22 am	2:01 am	H	556K	✓	✓	✓	✓	production
111535	11/12	02:02 am	02:50	H	552K	✓	✓	✓	✓	production
111536	11/12	02:51	03:25	H	553K	✓	✓	✓	✓	production
111537	11/12	03:29 am	04:06 am	H	566K	✓	✓	✓	✓	production
111538	11/12	04:07 am	4:23	H	260K	✓	✓	✓	✓	Production (Shift on 5 HRS STD)
111539	11/12	04:24	4:57 am	H	544K	✓	✓	✓	✓	production
111540	11/12	4:58	5:37	H	557	✓	✓	✓	✓	production
111541	11/12	5:39	06:48	H	577K	✓	✓	✓	✓	production
111542	11/12	6:48	7:21	H	513K	✓	✓	✓	✓	production
111543	11/12	21:04	23:36	H	170K	✓	✓	✓	✓	cosmics (long beam Jan)
111544	11/12	23:38	02:11	6Hole	170K	✓	✓	✓	✓	cosmics
111545	11/13	02:35	03:13	Chase	58K	✓	✓	✓	✓	cosmics (replay at 30k; beam rotation) ready for
111546	11/13	05:29	05:30	Chase	30K	✓	✓	✓	✓	beam centering, SMT
111547	11/13	05:53	05:56	H ₂	200K	X				energy by wds down
111548	11/13	05:57	06:08	H	720K	~✓	✓	✓	✓	production 108=100 → should be
111549	11/13	06:10	06:21	H	740K	~✓	✓	✓	✓	production: 108=100 → 108=0 !!
111550	11/13	06:22	06:32	H	331	X				production; NO beam to hall (injector issue)

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Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111551	11/13	09:29	09:30	C.H.	90K	✓	✓	✓	✓	Spot check
111552	11/13	09:46	11:26	H	179K	✓	✓	✓	✓	Production / started w/ beam study
111553	11/13	14:15	14:57	H	112K	✓	✓	✓	✓	Production / will do Carbon hole next run
111554	11/13	16:30	16:34	C.H.	663K					Spot checks / Carbon hole
111555	11/13	16:54	16:55	H						Production
111556	11/13	18:02	18:41	H	593K					Production
111557	11/13	18:41	19:23	H						Production
111558	11/13	19:23	20:02	H	570K					Production
111559	11/13	20:11	21:03	H	765K					Production
111560	11/13	21:09	21:36	H	556K					Production
111561	11/13	21:37	22:16	H	508K					Production
111562	11/13	22:19	22:53	H	569K					Production
111563	11/13	22:54	23:31	H	556K					Production
111564	11/13	23:32	00:06	H	570K					Production
111565	11-14	00:06	00:45	H	543K	✓	✓	✓	✓	production (map scan)
111566	11-14	00:50	01:25	H	556K	✓	✓	✓	✓	production
111567	11/14	01:26	2:05	H	550K	✓	✓	✓	✓	Production
111568	11-14	2:05	2:42	H	553K	✓	✓	✓	✓	production
111569	11-14	2:42	03:24	H	547K	✓	✓	✓	✓	production
111570	11-14	03:24	03:58	H	555K	✓	✓	✓	✓	production

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111571	11-14	3:59	04:35	H	580k	✓	✓	✓	✓	production (surprise next)
111572	11-14	04:39	05:25	H	557k	✓	✓	✓	✓	production
111573	11-14	05:25	05:58	H	540k	✓	✓	✓	✓	production
111574	11-14	05:59	06:33	H	548k	✓	✓	✓	✓	production
111575	11-14	06:33	07:14	H	550k	✓	✓	✓	✓	production
111576	11-14	07:15	07:49	H	555k	✓	✓	✓	✓	production
111577	11-14	07:55	8:30	T2	508k	✓	✓	✓	✓	production
111578	11-14:2018	08:31	9:06	T2	503k	✓	✓	✓	✓	production
111579	11-14	9:07	9:12	T2	66k	✓	✓	✓	✓	production
111580	11-14	9:17	9:54	T2	505k	✓	✓	✓	✓	production
111581	11-14	9:55	10:30	T2	504k	✓	✓	✓	✓	production
111582	11-14	10:37	11:18.4	T2	515k	✓	✓	✓	✓	production
111583	11-14	11:14	11:53	T2	489k	✓	✓	✓	✓	production
111584	11-14	11:54	12:27	T2	506k	✓	✓	✓	✓	production
111585	11-14	12:28	13:02	T2	465k	✓	✓	✓	✓	production
111586	11-14	13:19	13:53	T2	497k	✓	✓	✓	✓	production
111587	11-14	13:54	14:34	T2	509k	✓	✓	✓	✓	production
111588	11-14	14:34	15:16	T2	553k	✓	✓	✓	✓	production
111589	11-14	15:16	15:52	T2	518k	✓	✓	✓	✓	production
111590	11-14	15:53	16:25	T2	!	✓	✓	✓	✓	production

Not

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111591	10/14	16:28	17:01	T2	521875	✓	✓	✓	✓	Production
111592	11/14	17:04	17:05	T2	5179	✓	✓	✓	✓	Run stopped for test scan
111593	11/14	17:14	17:49	T2	499518	✓	✓	✓	✓	production
111594	11/14	17:51	18:30	T2	525020	✓	✓	✓	✓	production
111595	11/14	18:33	19:04	T2	495240	✓	✓	✓	✓	production
111596	11/14	19:06	19:18	T2	76,280	✓	✓	✓	✓	Production (stopped - broken down)
111597	11/14	20:53	21:44	T2	526418	✓	✓	✓	✓	Production
111598	11/14	21:45	22:22	T2	52339101	✓	✓	✓	✓	Production
111599	11/14	22:22	22:57	T2	524362	✓	✓	✓	✓	production
111600	11/14	22:58	23:30	T2	511459	✓	✓	✓	✓	production
111601	11/14	23:34	0:23	T2	~520K	✓	✓	✓	✓	Production
111602	11/15	0:23	0:58	T2	504K	✓	✓	✓	✓	Production
111603	11/15	0:59	1:42	T2	637K	✓	✓	✓	✓	Production
111604	11/15	1:42	2:15	T2	510K	✓	✓	✓	✓	Production
111605	11/15	2:15	2:58	T2	505K	✓	✓	✓	✓	Production
111606	11/15	2:58	3:30	T2	503K	✓	✓	✓	✓	Production
111607	11/15	3:31	4:04	T2	511K	✓	✓	✓	✓	Production
111608	11/15	4:05	4:37	T2	506K	✓	✓	✓	✓	Production
111609	11/15	4:52	5:27	T2	499K	✓	✓	✓	✓	Production
111610	11/15	5:28	6:03	T2	497K	✓	✓	✓	✓	Production

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Purpose/Comments
111611	11/15	6:04	6:38	T2	500K	✓	✓	✓	✓	Production
111612	11/15	6:38	7:12	T2	507K	✓	✓	✓	✓	Production
111613	11/15	7:13	7:49	T2	504K	✓	✓	✓	✓	Production
111614	11/15	7:49	8:35	T2	582188	✓	✓	✓	✓	Production
111615	11/15	8:36	10:01	T2	522537	✓	✓	✓	✓	Production (beam off)
111616	11/15	10:17	10:57	T2	503823	✓	✓	✓	✓	Production (in start)
111617	11/15	10:59	11:32	T2	497073	✓	✓	✓	✓	Production
111618	11/15	11:33	12:08	T2	507336	✓	✓	✓	✓	Production
111619	11/15	12:09	12:44	T2	535647	✓	✓	✓	✓	Production
111620	11/15	12:45	13:05	T2	159987	✓	✓	✓	✓	Beam stopped.
111621	11/15	14:33	17:14	cosmic	257K					Beam in hall for questions
111622	11/15	17:16	17:20	cosmic	102K					Spot++ ran.
111623	11/15	17:28	18:08	T2	161K	✓	✓	✓	✓	Production
111624	11/15	19:23	20:02	T2	558K	✓	✓	✓	✓	Production
111625	11/15	20:03	20:44	T2	505K	✓	✓	✓	✓	Production
111626	11/15	21:10	22:00	T2	580K	✓	✓	✓	✓	Production
111627	11/15	22:00	22:46	T2	504K	✓	✓	✓	✓	Production
111628	11/15	22:47	23:26	T2	49HK	✓	✓	✓	✓	Production
111629	11/15	23:27	0:30	T2	421K	✓	✓	✓	✓	Production (78% charge)
111630	11/16	2:43	2:54	T2	400 10K	✓	✓	✓	✓	Carbon hole (Spot++)

Carbon hole

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Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111631	11/16	3:02	3:42	T ₂	511K	✓	✓	✓	✓	Production
111632	11/16	3:43	4:17	T ₂	509K	✓	✓	✓	✓	Production
111633	11/16	4:17	4:53	T ₂	485K	✓	✓	✓	✓	Production
111634	11/16	4:57	5:33	T ₂	506K	✓	✓	✓	✓	Production
111635	11/16	5:33	6:14	T ₂	537K	✓	✓	✓	✓	Production
111636	11/16	6:14	6:53	T ₂	520K	✓	✓	✓	✓	Production
111637	11/16	6:54	7:29	T ₂	502K	✓	✓	✓	✓	Production
111638	11/16	7:30	8:29	T ₂	635/63	✓	✓	✓	✓	Production
111639	11/16	8:30	9:12	T ₂	503905	✓	✓	✓	✓	Production
111640	11/16	9:25	10:05	T ₂	518263	✓	✓	✓	✓	Production
111641	11/16	10:06	10:34	T ₂	427653	✓	✗	✓	✗	Production (ROC31 not working)
111642	11/16									Testing ROC31 crash
111643	11/16									Fixing ROC31 crash
111644	11/16									Fixing ROC31 crash
111645	11/16									Fixing ROC31 crash
111646	11/16									Fixing ROC31 crash
111647	11/16	11:34	12:13	T ₂	528182	✓	✓	✓	✓	Production
111648	11/16	12:14	12:47	T ₂	503539	✓	✓	✓	✓	Production
111649	11/16	12:49	13:27	T ₂	515919	✓	✓	✓	✓	Production
111650	11/16	13:32	14:11	T ₂	509190	✓	✓	✓	✓	Production

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111651	11/16	14:13		T ₂						Stopped to change give start run info
111652	11/16	14:20	14:57	T ₂	503927	✓	✓	✓	✓	Production.
111653	11/16	14:58	15:15	T ₂	246205	✓	✓	✓	✓	Production (Beam stopped)
111654	11/16									stopped to restart code
111655	11/16	15:27	16:09	T ₂	520K	✓	✓	✓	✓	production.
111656	11/16	16:11	17:14	T ₂	514K	✓	✓	✓	✓	production
111657	11/16	17:27	18:07	T ₂	516K	✓	✓	✓	✓	production
111658	11/16	18:08	18:44	T ₂	508K	✓	✓	✓	✓	production
111659	11/16	18:44	19:19	T ₂	509K	✓	✓	✓	✓	production
111660	11/16	19:20	20:10	T ₂	516K	✓	✓	✓	✓	production
111661	11/16	20:11	20:47	T ₂	519K	✓	✓	✓	✓	production.
111662	11/16	20:47	21:25	T ₂	500K	✓	✓	✓	✓	production.
111663	11/16	21:34	22:09	T ₂	515K	✓	✓	✓	✓	production
111664	11/16	22:10	22:49	T ₂	480K	✓	✓	✓	✓	production
111665	11/16	22:50	23:25	T ₂	501K	✓	✓	✓	✓	production
111666	11/16	23:26	00:09	T ₂	524K	✓	✓	✓	✓	production
111667	11/16	00:06	0:08	T ₂	12K	✓	✓	✓	✓	production-ended early
111668	11/16	00:18	00:51	T ₂	494K	✓	✓	✓	✓	production
111669	11/16	00:52	01:28	T ₂	497K	✓	✓	✓	✓	production
111670	11/16	01:30	02:02	T ₂	501K	✓	✓	✓	✓	production

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Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111671	11/17	02:03	02:41	T2	499K	✓	✓	✓	✓	production
111672	11/17	02:42	03:22	T2	572K	✓	✓	✓	✓	production
111673	11/17	03:23	03:54	T2	492K	✓	✓	✓	✓	production
111674	11/17	03:55	04:26	T2	497K	✓	✓	✓	✓	production
111675	11/17	04:38	05:12	T2	496K	✓	✓	✓	✓	production
111676	11/17	05:13	06:08	T2	495K	✓	✓	✓	✓	production
111677	11/17	06:09	06:44	T2	497K	✓	✓	✓	✓	production
111678	11/17	06:45	07:19	T2	497K	✓	✓	✓	✓	production
111679	11/17	07:20	07:52	T2	500K	✓	✓	✓	✓	production
111680	11/17	07:52	08:29	T2	313K	✓	✓	✓	✓	production
111681	11/17	08:29	09:08	T2	421K	✓	✓	✓	✓	Production
111682	11/17	09:32	09:36	T2	361K	X	X	X	X	Production Beam position off
111683	11/17	09:38	10:14	T2	502K	✓	✓	✓	✓	Production
111684	11/17	10:15	10:59	T2	591K	✓	✓	✓	✓	Production
111685	11/17	10:59	11:35	T2	504K	✓	✓	✓	✓	Production
111686	11/17	11:36	12:09	T2	502K ^{504K}	✓	✓	✓	✓	Production
111687	11/17	12:23	13:01	T2	524K	✓	✓	✓	✓	Production
111688	11/17	13:02	13:09	T2	86K	✓	✓	✓	✓	Production stopped because R-jet tripped
111689	11/17	13:38	14:16	T2	501K	✓	✓	✓	✓	Production
111690	11/17	14:17	14:21	T2	38K	✓	✓	✓	✓	Production stopped because R-jet tripped

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111691	11/17	14:46	15:16	T2	147K	✓	✓	✓	✓	Production stop due to x-position was off
111692	11/17	15:21	15:33	T1	115K	✓	✓	✓	✓	Production stopped due to R2A tripped
111693	11/17	17:37	18:12	T2	502K	✓	✓	✓	✓	production
111694	11/17	18:13	18:45	T2	494K	✓	✓	✓	✓	production
111695	11/17	18:45	19:25	T2	497K	✓	✓	✓	✓	production
111696	11/17	19:26	20:13	T2	506K	✓	✓	✓	✓	production
111697	11/17	20:14	21:01	T2	585K	✓	✓	✓	✓	production
111698	11/19	14:09		Home			JUNK	JUNK	JUNK	COSMICS
111699	11/19	14:12	18:50	Home	813K	✓	✓	✓	✓	COSMICS
111700	11/20	10:56	13:11	Home	152K	✓	✓	✓	✓	COSMICS
111701	11/20	18:07	18:24	carbon hole	10K	✓	✓	✓	✓	Carbon hole (hole good)
111702	11/20	20:15	20:38	H	312K	✓	✓	✓	✓	hydrogen calibration optics
111703	11/20	20:39	20:43	H	205K	✓	✓	✓	✓	master calibration
111704	11/20	20:54		Carbon	junk	✓	✓	✓	✓	master calibration junk
111705	11/20	20:58	21:00	Carbon	Junk	✓	✓	✓	✓	master calibration
111706	11/20	21:01	21:05	Carbon	210K	✓	✓	✓	✓	master calibration
111707	11/20	21:12	21:48	H	573K	✓	✓	✓	✓	production
111708	11/20	21:49	22:26	H	566K	✓	✓	✓	✓	production
111709	11/20	22:27	22:47	H	283K	✓	✓	✓	✓	production
111710	11/21	01:46	1:57	Carbon	10K	✓	✓	✓	✓	Spot++ Carbon hole

hole

JUNK

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Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111711	11/21	2:06	2:38	H ₂	562K	✓	✓	✓	✓	Production
111712	11/21	2:38	3:35	H ₂	557K	✓	✓	✓	✓	Production
111713	11/21	3:35	~4:25	H ₂	557K	✓	✓	✓	✓	Production
111714	11/21	4:30	5:04	H ₂	555K	✓	✓	✓	✓	Production
111715	11/21	5:05	5:40	H ₂	557K	✓	✓	✓	✓	Production
111716	11/21	5:41	5:43	H ₂	27K					Production
111717	11/21	9:09	9:11	MF						Optics. p _{s1} =p _{s4} =1, others = 0.
111718	11/21	9:12	9:30	MF	1.37M	✓	✓	✓	✓	Optics p _{s1} =10, p _{s4} =20, others = 0.
111719	11/21	9:32	9:47	MF	604K	✓	✓	✓	✓	Optics p _{s1} =10, p _s =20, others = 0.
111720	11/21	10:05	10:26	MF		✓	✓	✓	✓	Junk Optics p _{s1} =5 p _s =10, others = 0. ^(40%) CAU
111721	11/21	10:51	11:12	MF	1.1M	✓	✓	✓	✓	Optics p _{s1} =5, p _{s4} =50, p _{s5} =1, others = 0. ^(40%) CAU
111722	11/21	11:08	11:52	c-hole		✓				c-hole check.
111723	11/21	11:53	11:55	C-hole	10K	✓	✓	✓	✓	c-hole check.
111724	11/21	12:08	12:48	3He	430K	✓	✓	✓	✓	production p _{s1} =200, p _{s2} =100, p _{s4} =200, p _{s5} =1
111725	11/21	12:09	12:36	3He	407K	✓	✓	✓	✓	production. (101%)
111726	11/21	12:46	13:48	3He	82K	✓	✓	✓	✓	production. (17%)
111727	11/21	14:43	14:45	3He		✓	✓	✓	✓	Junk BPM position is way off the value.
111728	11/21	14:47	15:32	3He	313K	✓	✓	✓	✓	production (70%)
111729	11/21	15:37	16:30	3He	492K	✓	✓	✓	✓	production.
111730	11/21	16:30	17:42	3He	322K	✓	✓	✓	✓	production

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111731	11/21	18:57	19:46	He3	500k	✓	✓	✓	✓	Production
111732	11/21	19:55	20:40	He3	474k	✓	✓	✓	✓	"
111733	11/21	20:40	21:18	He3	433k	✓	✓	✓	✓	"
111734	11/21	21:19	22:02	He3	437k	✓	✓	✓	✓	"
111735	11/21	22:03	22:40	He3	415k	✓	✓	✓	✓	production
111736	11/21	22:46	23:21	He3	398k	✓	✓	✓	✓	Production
111737	11/21	23:22	23:56	He3	388k	✓	✓	✓	✓	production
111738	11/22	0:02	00:38	T ₂	509k	✓	✓	✓	✓	production
111739	11/22	0:39	01:14	T ₂	500k	✓	✓	✓	✓	production
111740	11/22	01:18	01:52	T ₂	518k	✓	✓	✓	✓	production
111741	11/22	01:53	02:32	T ₂	347k	✓	✓	✓	✓	production
111742	11/22	06:08	6:23	C-hole	11k	✓	✓	✓	✓	SPOT++ (beam centering)
111743	11/22	11:34	11:42	C-hole	15k					spot check
111744	11/22	11:51	12:30	He3 He3	533k	✓	✓	✓	✓	Production
111745	11/22	12:31	13:04	He3 He3	501k	✓	✓	✓	✓	Production
111746	11/22	13:04	13:33	He3 He3	500k	✓	✓	✓	✓	Production
111747	11/22	13:39	14:23	He3 He3	577k	✓	✓	✓	✓	Production
111748	11/22	14:24	15:06	He3 He3	645k	✓	✓	✓	✓	Production
111749	11/22	15:07	15:40	He3 He3	498k	✓	✓	✓	✓	Production
111750	11/22	15:41	16:12	He3 He3	464k	✓	✓	✓	✓	Production

He3 = tritium

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111751	11/22	16:22	17:04	1H3	628K	✓	✓	✓	✓	production
111752	11/22	17:05	17:46	1H3	570K	✓	✓	✓	✓	production
111753	11/22	17:46	18:25	1H3	697K	✓	✓	✓	✓	production
111754	11/22	18:25	19:16	1H3	640K	✓	✓	✓	✓	production
111755	11/22	19:16	19:54	1H3	165K	✓	✓	✓	✓	
111756	11/22	19:54	20:14	1H3	110K	✓	✓	✓	✓	(trippy)
111757	11/22	20:19	21:05	1H3	66K	✓	✓	✓	✓	
111758	11/22	21:32	22:32	1H3	572K	✓	✓	✓	✓	
111759	11/22	22:40	23:14	1H3	454K	✓	✓	✓	✓	
111760	11/22	23:16	23:57	1H3	539K	✓	✓	✓	✓	
111761	11/22	23:57	0:28	1H3	480K	✓	✓	✓	✓	production
111762	11/23	0:32	01:05	T2	490K	✓	✓	✓	✓	production
111763	11/23	01:06	01:44	T2	519K	✓	✓	✓	✓	production
111764	11/23	01:44	02:17	T2	494K	✓	✓	✓	✓	production
111765	11/23	02:18	03:20	T2	514K	✓	✓	✓	✓	production
111766	11/23	03:21	04:03	T2	508K	✓	✓	✓	✓	production
111767	11/23	04:04	04:38	T2	513K	✓	✓	✓	✓	production
111768	11/23	04:39	04:52	T2	63K	✓	✓	✓	✓	production
111769	11/23	08:20	08:26	C-Hole	11K					spot check
111770	11/23	08:31	09:13	Tritium	503K	✓	✓	✓	✓	Production

H3 = Tritium

[T2 = 372]

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111771	11/23	09:13	09:47	Tritium	512k	✓	✓	✓	✓	Production
111772	11/23	09:48	10:23	Tritium	511k	✓	✓	✓	✓	Production
111773	11/23	10:24	11:10	Tritium	698k	✓	✓	✓	✓	Production
111774	11/23	11:11	11:45	Tritium	512k	✓	✓	✓	✓	Production
111775	11/23	11:46	12:23	Tritium	575k	✓	✓	✓	✓	Production
111776	11/23	12:24	13:00	Tritium	513k	✓	✓	✓	✓	Production
111777	11/23	13:01	13:33	Tritium	510k	✓	✓	✓	✓	Production
111778	11/23	13:34	14:00	Tritium	498k	✓	✓	✓	✓	Production
111779	11/23	14:32	15:00	Tritium	364k	✓	✓	✓	✓	Production/73%
111780	11/23	15:04	15:38	Tritium	505k	✓	✓	✓	✓	Production
111781	11/23	15:40	16:13	Tritium	364k	✓	✓	✓	✓	Production
111782	11/23	16:13	16:56	Tritium	583k	✓	✓	✓	✓	Production
111783	11/23	16:57	17:37	Tritium	610k	✓	✓	✓	✓	Prod.
111784	11/23	17:37	18:04	"	402k	✓	✓	✓	✓	Prod.
111785	11/23	18:04	18:40	"	541k	✓	✓	✓	✓	Prod.
111786	11/23	18:40	18:52	"	178k	✓	✓	✓	✓	Short run (no reason)
111787	11/23	18:53	19:29	"	567k	✓	✓	✓	✓	Short run prod
111788	11/23	19:30	20:25	Tritium	67k	✓	✓	✓	✓	A lot of "no beam"
111789	11/24	0:31	0:41	C-Hole	10k	✓	✓	✓	✓	SPOT ++
111790	11/24	01:03	01:39	T ₂	513k	✓	✓	✓	✓	production

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111791	11/24	01:40	02:13	T2	467k	✓	✓	✓	✓	Production
111792	11/24	02:14	02:55	T2	520k	✓	✓	✓	✓	Production
111793	11/24	02:56	03:38	T2	510k	✓	✓	✓	✓	Production
111794	11/24	03:39	04:17	T2	579k	✓	✓	✓	✓	production
111795	11/24	04:17	04:48	T2	451k	✓	✓	✓	✓	production
111796	11/24	04:49	05:23	T2	498k	✓	✓	✓	✓	production
111797	11/24	05:26	06:04	T2	497k	✓	✓	✓	✓	production
111798	11/24	06:04	06:38	T2	497k	✓	✓	✓	✓	production
111799	11/24	06:39	07:14	T2	492k	✓	✓	✓	✓	production
111800	11/24	07:15	07:48	T2	479k	✓	✓	✓	✓	production
111801	11/24	07:50	08:23	T2	496k	✓	✓	✓	✓	production
111802	11/24	08:23	08:56	T2	499k	✓	✓	✓	✓	Production
111803	11/24	08:57	09:30	T2	512k	✓	✓	✓	✓	Production
111804	11/24	09:31	10:03	T2	502k	✓	✓	✓	✓	Production
111805	11/24	10:09	10:43	T2	507k	✓	✓	✓	✓	Production
111806	11/24	10:45	11:19	T2	506k	✓	✓	✓	✓	Production
111807	11/24	11:19	12:02	T2	544k	✓	✓	✓	✓	Production
111808	11/24	12:03	12:49	T2	501k	✓	✓	✓	✓	Production
111809	11/24	12:49	13:26	T2	501k	✓	✓	✓	✓	Production
111810	11/24	13:27	14:02	T2	500k	✓	✓	✓	✓	Production

Hypernuclear Experiment Run Lists

Run #	Date	Start time	End time	Target	N. of ev	Decoded?	L-HRS OK?	R-HRS OK?	Coin OK?	Propose/Comments
111811	11/24	14:03	14:06	T2						
111812	11/24	14:21	14:58	T2	499K	✓	✓	✓	✓	Production / Stopped so MAC could help scan
111813	11/24	14:59	15:33	T2	514K	✓	✓	✓	✓	Production
111814	11/24	15:33	16:23	T2	608K	✓	✓	✓	✓	Production. unstable BPM for a few minutes
111815	11/24	16:24	16:59	T2	524K	✓	✓	✓	✓	
111816	11/24	17:00	17:52	T2	510K	✓	✓	✓	✓	
111817	11/24	18:08	18:24	T2	40K	✓	✓	✓	✓	trippy beam. stopped early
111818	11/24	18:34	19:16	T2	483K	✓	✓	✓	✓	trippy beam
111819	11/24	19:17	19:59	T2	486K	✓	✓	✓	✓	production
111820	11/24	20:00	20:33	T2	463K	✓	✓	✓	✓	production
111821	11/24	20:34	21:44	T2	28K					cosmics
111822	11/24	21:44	22:40	T2	756K	✓	✓	✓	✓	production
111823	11/24	22:41	23:20	T2	582K	✓	✓	✓	✓	production. ANDA crashed when
111824	11/24	23:37	00:13	T2	543K	✓	✓	✓	✓	production
111825	11/25	00:14	00:59	T2	493K	✓	✓	✓	✓	production
111826	11/25	01:00	01:33	T2	503K	✓	✓	✓	✓	production
111827	11/25	01:34	02:09	T2	503K	✓	✓	✓	✓	production
111828	11/25	02:10	02:43	T2	499K	✓	✓	✓	✓	production
111829	11/25	02:44	03:18	T2	502K	✓	✓	✓	✓	production
111830	11/25	03:22	03:57	T2	504K	✓	✓	✓	✓	production

