

Run	Type	Calib Period	Beam Energy (GeV)	Beam Current (nA)	# of Event (M)	Live Time (%)	Decode Status	Check EnS	GEM Raw Data	Additional Comment
<b>1.1 GeV</b>										
1059	Full Target	1	1.1	5			0-sup		no	
1062	Full Target	1	1.1	5			0-sup		no	
1071	Full Target	1	1.1	10			0-sup		no	very small run, only two files. Found no description on ELog
1072	Full Target	1	1.1	8			0-sup		no	very small run, only three files. Found no description on ELog
1075	Full Target	1	1.1	10	3.36	66	0-sup		no	
1076	Full Target	1	1.1	10	2.4	66	0-sup		no	
1077	Full Target	1	1.1	10	6.2	66	0-sup		no	
1079	Full Target	1	1.1	10	5.7	66	0-sup		no	
1080	Empty Target		1.1	10	1.8	90	0-sup		no	
1081	Full Target	1	1.1	10	6	66	0-sup		no	
1082	Full Target	1	1.1	10	6	65	0-sup		no	
1083	Full Target	1	1.1	10	6	65	0-sup		no	
1084	Empty Target		1.1	10	1.7	90	0-sup		no	
1085	Full Target	1	1.1	10	5.9	65	0-sup		no	
1086	Full Target	1	1.1	10	5.9	66	0-sup		no	
1087	Full Target	1	1.1	10	5.96	66	0-sup		no	
1088	Empty Target		1.1	10	1.6	90	0-sup		no	
1091	Empty Chamber		1.1	10	1.76	90	0-sup		no	
1092	Full Target	1	1.1	10	6	65	0-sup		no	
1093	Full Target	1	1.1	10	5.6	65	0-sup		no	
1094	Full Target	1	1.1	10	4.6	65	0-sup		no	
1096	Full Target	1	1.1	10	1.6	65	0-sup		no	end due to beam trip
1097	Full Target	1	1.1	10	1.8	65	0-sup		no	end due to APV problem
1099	Full Target	1	1.1	10	1.6	65	0-sup		no	frequent beam trip
1100	Full Target	1	1.1	10	3.38	65	0-sup		no	
1101	Full Target	1	1.1	10	5.7	65	0-sup		no	
1103	Empty Target		1.1	10	1.6	92.5	0-sup		no	
1104	Full Target	1	1.1	10	6.3	66	0-sup		no	
1105	Full Target	1	1.1	10	6.2	65	0-sup		no	
1106	Full Target	1	1.1	10	2.3	65	0-sup		no	
<b>radiation damage</b>										
1122	Empty Chamber		1.1	10	1.5	91	0-sup	yes	yes	Beam position at 2H01 shift early of this run (Y from -6 to -0.5)
1123	Empty Chamber		1.1	10	1.5	91	0-sup	yes	yes	
1125	Empty Chamber		1.1	10	1.5	91	0-sup	yes	yes	after crystal gain change
1126	Empty Chamber		1.1	10	1.6	91	0-sup	yes	yes	GEM APV problem appeared in the last 3 mins of the run
1127	Empty Target		1.1	10	0.6	85	0-sup	yes	yes	
1129	Empty Target		1.1	10	1.1	85	0-sup	yes	yes	
1130	Empty Target		1.1	10	0.17	94	0-sup	yes	yes	Elog says calibration study, run list says background run
1135	Empty Target		1.1	10	2.44	90	0-sup	yes	yes	
1136	Full Target	2	1.1	10	6.6	63	0-sup	yes	yes	
1137	Full Target	2	1.1	10	2.5	65	0-sup	yes	yes	
1147	Empty Chamber		1.1	10	0.3	92	0-sup	yes	yes	
1153	Empty Target		1.1	10	1.7	90	0-sup	yes	yes	Beam position at 2H01 shift in the middle of this run (Y from -4.4 to -3)
1154	Empty Target		1.1	10	1.6	89	0-sup	yes	yes	
1155	Full Target	2	1.1	10	6.4	63	0-sup	yes	yes	
1158	Full Target	2	1.1	10	6.4	61	0-sup	yes	yes	
1159	Full Target	2	1.1	10	6.54	63	0-sup	yes	yes	
1160	Full Target	2	1.1	10	7.3	63	0-sup	yes	yes	
1161	Empty Target		1.1	10	2.2	95	0-sup	yes	yes	
1162	Empty Target		1.1	10	0.02	95	0-sup	yes	yes	CODA Error Message: TI not master
1163	Empty Target		1.1	10	0.65	95	0-sup	yes	yes	
<b>small radiation damage</b>										
1197	Empty Target		1.1	10	1.7	90	0-sup	yes	yes	Beam position at 2H01 shift in the middle of this run (X from -1.3 to -1 Y from -4 to -3)
1198	Empty Target		1.1	10	1.66	90	0-sup	yes	yes	
1201	Full Target	3	1.1	10	6.5	63	0-sup	yes	yes	
1202	Full Target	3	1.1	10	6.6	63	0-sup	yes	yes	
1203	Full Target	3	1.1	10	7.48	62	0-sup	yes	yes	
1205	Full Target	3	1.1	10	7.18	62	0-sup	yes	yes	
1206	Full Target	3	1.1	10	6.7	62	0-sup	yes	yes	
1207	Full Target	3	1.1	10	5.8	62	0-sup	yes	yes	
<b>30 ns gate shift</b>										
1237	Empty Target		1.1	10	2.2	98	0-sup	yes	yes	a few mm shift for BPM 2H01 for the y coordinate of the beam spot at early stage
1238	Full Target	4	1.1	10	2.1	91	0-sup	yes	yes	
1240	Full Target	4	1.1	10	10.2	91	0-sup	yes	yes	
1241	Full Target	4	1.1	10	9.7	91	0-sup	yes	yes	
1242	Full Target	4	1.1	10	9.24	91	0-sup	yes	yes	
1243	Full Target	4	1.1	10	15	91	0-sup	yes	yes	
<b>change of 64 pedestal (change of board)</b>										
1287	Full Target	5	1.1	15	13.3	86	0-sup	yes	yes	
1288	Full Target	5	1.1	15	13.2	87	0-sup	yes	yes	
1289	Empty Target		1.1	15	3.2	97	0-sup	yes	yes	
1290	Full Target	5	1.1	15	11.7	87	0-sup	yes	yes	
1291	Full Target	5	1.1	15	13.9	87	0-sup	yes	yes	
1292	Full Target	5	1.1	15	14.1	87	0-sup	yes	yes	cell temperature, pressure mean value shift during the run
1293	Full Target	5	1.1	15	13.7	85	0-sup	yes	yes	
1294	Empty Target		1.1	15	3.3	97	0-sup	yes	yes	

1295	Full Target	5	1.1	15	13.2	85	0-sup	yes	yes	
1296	Full Target	5	1.1	15	1.2	87	0-sup	yes	yes	end due to APV problem
1301	Full Target	5	1.1	15	5	85	0-sup	yes	yes	One of GEM chamber has trimmed
1302	Full Target	5	1.1	15	13.7	86	0-sup	yes	yes	
1303	Full Target	5	1.1	15	14.1	87	0-sup	yes	yes	
1304	Full Target	5	1.1	15	14	87	0-sup	yes	yes	
1306	Empty Target		1.1	15	3.1	97	0-sup	yes	yes	
1307	Full Target	5	1.1	15	13.7	87	0-sup	yes	yes	cell temperature not very flat, target EPCIS position becomes 0 after this run (see Elog)
1308	Full Target	5	1.1	15	13.7	86	0-sup	yes	yes	
1309	Full Target	5	1.1	15	13.5	86	0-sup	yes	yes	
1310	Full Target	5	1.1	15	3.04	86	0-sup	yes	yes	
1311	Full Target	5	1.1	15	14.57	85	0-sup	yes	yes	
1312	Empty Target	5	1.1	15	2.9	98	0-sup	yes	yes	
1313	Full Target	5	1.1	15	13.9	87	0-sup	yes	yes	
1314	Full Target	5	1.1	15	13.9	86	0-sup	yes	yes	
1315	Full Target	5	1.1	15	13.9	85	0-sup	yes	yes	
1316	Full Target	5	1.1	15	13.9	87	0-sup	yes	yes	
1317	Empty Target		1.1	15	3.2	97	0-sup	yes	yes	
1318	Empty Target		1.1	15	3.1	97	0-sup	yes	yes	
1319	Full Target	5	1.1	15	13.8	85	0-sup	yes	yes	
1320	Full Target	5	1.1	15	13.8	85	0-sup	yes	yes	
1322	Full Target	5	1.1	15	13.9	85	0-sup	yes	yes	
1323	Full Target	5	1.1	15	14.1	86	0-sup	yes	yes	
1324	Empty Target		1.1	15	3.3	97	0-sup	yes	yes	
1325	Full Target	5	1.1	15	13.6	86	0-sup	yes	yes	
1326	Empty Target		1.1	15	3.27	97	0-sup	yes	yes	
1327	Empty Target		1.1	15	3.1	97	0-sup	yes	yes	
1328	Full Target	5	1.1	15	9.9	86	0-sup	yes	yes	
1329	Empty Target		1.1	15	2.9	97	0-sup	yes	yes	
1330	Empty Target		1.1	15	3.1	97	0-sup	yes	yes	
1331	Full Target	5	1.1	15	13.1	86	0-sup	yes	yes	
1332	Full Target	5	1.1	15	3.1	86	0-sup	yes	yes	end run due to thunder
1334	Full Target	5	1.1	15	5.3	83	0-sup	yes	yes	stopped due to storm
1336	Full Target	5	1.1	15	12.3	86	0-sup	yes	yes	
1337	Full Target	5	1.1	15	14.4	86	0-sup	yes	yes	
1338	Full Target	5	1.1	15	13.9	86	0-sup	yes	yes	
1339	Empty Target		1.1	15	3.3	97	0-sup	yes	yes	
1340	Full Target	5	1.1	15	14.3	86	0-sup	yes	yes	
1341	Full Target	5	1.1	15	20	84	0-sup	yes	yes	
1342	Empty Chamber		1.1	15	2.2	97	0-sup	yes	yes	
1345	Carbon		1.1	1	24.2	70	0-sup	yes	yes	
2.2 GeV										
1362	Full Target	6	2.2	15	3.49	98	0-sup	yes	yes	
1369	Empty Target		2.2	15	3.49	99	0-sup	yes	yes	EPCIS cell position information comes back
1370	Full Target	6	2.2	20	0.71	95	0-sup	yes	yes	short and unstable production run
1371	Full Target	6	2.2	24	5.58	95	0-sup	yes	yes	obvious mean beam position shift (2C24) at the second half of the run
1372	Full Target	6	2.2	25	5.71	95	0-sup	yes	yes	
1373	Full Target	6	2.2	25	6	95	0-sup	yes	yes	beam current increase by 2nA (starts from 23nA) during the run
1374	Full Target	6	2.2	25	6.99	95	0-sup	yes	yes	mean value of beam current not very stable
1381	Empty Target		2.2	25	1.07	99	0-sup	yes	yes	
1382	Full Target	6	2.2	25	5.6	95	0-sup	yes	yes	
1383	Full Target	6	2.2	25	5.6	95	0-sup	yes	yes	
1384	Full Target	6	2.2	25	5.8	95	0-sup	yes	yes	
1385	Full Target	6	2.2	25	5.6	94	0-sup	yes	yes	
1386	Empty Target		2.2	25	0.2	99	0-sup	yes	yes	
1387	Empty Target		2.2	25	0.2	99	0-sup	yes	yes	
1394	Full Target	6	2.2	57	12.27	89	0-sup	yes	yes	
1395	Full Target	6	2.2	57	11.56	89	0-sup	yes	yes	
1396	Full Target	6	2.2	55	12.24	89	0-sup	yes	yes	
1397	Full Target	6	2.2	55	9.8	88	0-sup	yes	yes	
1399	Empty Target		2.2	55	2.2	98	0-sup	yes	yes	
1400	Full Target	6	2.2	55	11.8	89	0-sup	yes	yes	
1401	Full Target	6	2.2	55	11.5	89	0-sup	yes	yes	
1404	Full Target	6	2.2	55	10.7	89	0-sup	yes	yes	cell temperature, pressure doesn't seem to be very flat
1405	Full Target	6	2.2	55	11.6	89	0-sup	yes	yes	
tail of LMS										
1406	Empty Target		2.2	55	1.16	97	0-sup	yes	yes	
1411	Empty Target		2.2	55	1.23	97	0-sup	yes	yes	
1412	Full Target	7	2.2	55	11.15	89	0-sup	yes	yes	don't have EPCIS event before 200k
1413	Full Target	7	2.2	55	11.3	89	0-sup	yes	yes	
1415	Full Target	7	2.2	55	11.7	89	0-sup	yes	yes	
1416	Full Target	7	2.2	55	11.7	89	0-sup	yes	yes	
1417	Empty Target		2.2	55	2	98	0-sup	yes	yes	
1418	Empty Target		2.2	55	2	98	0-sup	yes	yes	Run was ended because one of the APV had problem.
1420	Full Target	7	2.2	55	4.2	89	0-sup	yes	yes	APV has problem again and there is high voltage drift.
1421	Full Target	7	2.2	55	11	89	0-sup	yes	yes	
1422	Full Target	7	2.2	55	12	89	0-sup	yes	yes	
1423	Full Target	7	2.2	55	10.7	89	0-sup	yes	yes	
1424	Full Target	7	2.2	55	11.4	89	0-sup	yes	yes	
1425	Empty Target		2.2	55	2	98	0-sup	yes	yes	
1426	Full Target	7	2.2	55	10.7	89	0-sup	yes	yes	
1427	Full Target	7	2.2	55	10.8	89	0-sup	yes	yes	
1428	Full Target	7	2.2	55	0.76	89	0-sup	yes	yes	
1429	Full Target	7	2.2	55	11.1	89	0-sup	yes	yes	No beam in last 5 minutes.
1430	Full Target	7	2.2	55	11.5	89	0-sup	yes	yes	
1431	Empty Target		2.2	55	1.9	98	0-sup	yes	yes	

1443	Full Target	8	2.2	55	11.7	89	0-sup	yes	yes
1444	Full Target	8	2.2	55	13	89	0-sup	yes	yes
1445	Full Target	8	2.2	55	11.8	89	0-sup	yes	yes
1446	Full Target	8	2.2	55	11.96	89	0-sup	yes	yes
1447	Empty Target		2.2	55	0.1	N/A	0-sup	yes	yes
1448	Empty Target		2.2	55	2.16	98	0-sup	yes	yes
1449	Full Target	8	2.2	55	8.4	89	0-sup	yes	yes
1451	Full Target	8	2.2	55	16	89	0-sup	yes	yes
1452	Full Target	8	2.2	55	11.1	89	0-sup	yes	yes
1453	Full Target	8	2.2	55	11.3	89	0-sup	yes	yes
1454	Empty Target		2.2	55	2.1	98	0-sup	yes	yes
1455	Full Target	8	2.2	55	11	89	0-sup	yes	yes
1456	Full Target	8	2.2	55	10.5	89	0-sup	yes	yes
1457	Full Target	8	2.2	55	11.1	89	0-sup	yes	yes
1458	Full Target	8	2.2	55	11.2	89	0-sup	yes	yes
1459	Empty Target		2.2	55	2.11	98	0-sup	yes	yes
1460	Full Target	8	2.2	55	10.8	89	0-sup	yes	yes
1461	Full Target	8	2.2	55	10.8	89	0-sup	yes	yes
1462	Full Target	8	2.2	55	11.6	89	0-sup	yes	yes
1463	Full Target	8	2.2	55	11.7	89	0-sup	yes	yes
1465	Empty Target		2.2	55	1.75	98	0-sup	yes	yes
1466	Full Target	8	2.2	55	11.5	89	0-sup	yes	yes
1467	Full Target	8	2.2	55	11.25	89	0-sup	yes	yes
1468	Full Target	8	2.2	55	11	89	0-sup	yes	yes
1469	Empty Target		2.2	55	2	98	0-sup	yes	yes
1470	Full Target	8	2.2	55	11.89	89	0-sup	yes	yes
1471	Full Target	8	2.2	55	11.43	89	0-sup	yes	yes
1472	Full Target	8	2.2	55	11.36	89	0-sup	yes	yes
1473	Empty Target		2.2	55	2.13	98	0-sup	yes	yes
1474	Full Target	8	2.2	55	10.91	89	0-sup	yes	yes
1475	Full Target	8	2.2	55	9.99	89	0-sup	yes	yes
1476	Full Target	8	2.2	55	10.5	89	0-sup	yes	yes
1477	Empty Target		2.2	55	2.1	98	0-sup	yes	yes
1478	Full Target	8	2.2	55	8.9	89	0-sup	yes	yes
1479	Full Target	8	2.2	55	11.2	89	0-sup	yes	yes
1480	Full Target	8	2.2	55	10.4	89	0-sup	yes	yes
1481	Empty Target		2.2	55	2.02	98	0-sup	yes	yes
1482	Full Target	8	2.2	55	11	89	0-sup	yes	yes
1483	Full Target	8	2.2	55	0.08	89	0-sup	yes	yes
1484	Full Target	8	2.2	55	11	89	0-sup	yes	yes
1485	Full Target	8	2.2	55	11.1	89	0-sup	yes	yes
1486	Empty Target		2.2	55	2.1	98	0-sup	yes	yes
1487	Full Target	8	2.2	55	13	89	0-sup	yes	yes
1488	Full Target	8	2.2	55	11.2	84	0-sup	yes	yes
1489	Full Target	8	2.2	55	11.3	80	0-sup	yes	yes
1490	Empty Target		2.2	55	2	98	0-sup	yes	yes
1491	Full Target	8	2.2	55	11	84	0-sup	yes	yes
1492	Full Target	8	2.2	55	6.1	80	0-sup	yes	yes
1495	Full Target	8	2.2	55	10.2	89	0-sup	yes	yes
1496	Empty Target		2.2	55	0.76	98	0-sup	yes	yes
1498	Carbon		2.2	1	8.25	90	0-sup	yes	yes
1501	Carbon		2.2	1	2	91	0-sup	yes	yes
1502	Empty Chamber		2.2	1	0.094	N/A	0-sup	yes	yes
1503	Empty Chamber		2.2	55	1.8	98	0-sup	yes	yes
1505	Empty Chamber		2.2	5	0.24	99	0-sup	yes	yes
1506	Full Target	8	2.2	40	10.8	92	0-sup	yes	yes
1507	Full Target	8	2.2	40	11	92	0-sup	yes	yes
1508	Full Target	8	2.2	40	11	92	0-sup	yes	yes
1509	Empty Target		2.2	40	2	98.5	0-sup	yes	yes
1510	Full Target	8	2.2	40	10.2	92	0-sup	yes	yes
1511	Full Target	8	2.2	40	1.46	92	0-sup	yes	yes
1512	Full Target	8	2.2	40	8.64	92	0-sup	yes	yes
1513	Full Target	8	2.2	40	7.88	83	0-sup	yes	yes
1514	Empty Target		2.2	40	1.17	98	0-sup	yes	yes
1515	Empty Target		2.2	55	1.95	98	0-sup	yes	yes
1516	Full Target	8	2.2	55	6.39	89	0-sup	yes	yes

Short run, ~ 3 mins only. Stopped to take empty cell only run

Run ended 10mins early because beam trip more than 6mins.

Run stop 12 min earlier as beam was becoming unstable

Frequent beam trip (~every 20 min)

(bad run)ended due to the beam off

serious live time drops for half of the run

serious live time drops for half of the run

serious live time drops for half of the run

serious live time drops for most of the run

serious live time drops for half of the run

end due to APV problem

too few events to count live time

no beam for most of the run

target cell T, P and target thickness not very flat

Beam tripped off so we stopped this run after 19 mins

serious live time drops for most of the run

Beam down for 7 mins, therefore we stopped the run early (50 mins)

last run