

runlist_pionLT_2021_Eb_7p937_Part2

Q²=3.85, W=3.07, LH+, SHMS=5.495deg

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P_HMS	Theta_HMS	Current	PS1	PS4	PS5	HMS_Rate (kHz)	SHMS_Rate (kHz)	Coin_Rate (kHz)	Charge (mC)	Raw_HMS	Raw_S_HMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
14208	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	34.665	14	6	0	2.564	557.424	0.108	86.046	159k	139k	225k	24k	0.955	261
14209	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	24.02	14	6	0	2.42	520.412	0.101	41.375	77k	66k	112k	17k	0.956	124
14210	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	17.472	14	6	0	1.548	296.278	0.05	23.764	45k	35k	52k	14k	0.967	77
14211	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	7.537	14	6	0	2.567	554.343	0.108	14.623	28k	24k	55k	21k	0.954	38
14212	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	18.667	14	6	0	2.064	415.902	0.073	10.595	20k	16k	26k	6k	0.963	40
14213	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	29.645	14	6	0	2.482	534.554	0.104	105.97	197k	171k	281k	35k	0.958	321
14214	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	33.508	14	6	0	2.529	545.965	0.106	120.077	223k	194k	316k	35k	0.958	432
14215	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	37.84	14	6	0	2.581	558.017	0.109	151.974	283k	246k	397k	39k	0.956	485
14216	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	33.281	14	6	0	2.556	551.295	0.107	120.541	225k	195k	318k	36k	0.956	379
14217	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	32.78	14	6	0	2.544	547.016	0.107	114.492	214k	185k	304k	34k	0.958	338
14218	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	4.092	14	6	0	1.726	349.031	0.065	2.288	4k	3k	11k	7k	0.955	7
14219	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	16.049	14	0	-1	2.342	496.783	0.097	56.609	3525k	91k	166k	36k	0.957	164
14220	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	30.002	14	0	-1	2.583	547.254	0.107	85.466	5260k	136k	225k	28k	0.957	264
14221	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	7.822	14	0	-1	2.347	483.562	0.089	9.386	593k	15k	33k	13k	0.96	21
14222	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	16.915	14	6	0	2.535	468.608	0.404	25.579	63k	41k	564k	507k	0.959	70
14223	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	12.472	14	6	0	1.765	280.035	0.367	22.524	61k	33k	651k	612k	0.961	78
14226	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	31.612	14	6	0	2.491	531.587	0.102	115.525	216k	185k	298k	36k	0.959	391
14227	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	37.168	14	6	0	2.521	538.754	0.103	133.168	249k	214k	340k	35k	0.958	391
14228	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	36.9	14	6	0	2.531	540.333	0.104	132.418	248k	213k	339k	35k	0.959	432
14229	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	30.865	14	6	0	2.487	528.903	0.101	110.732	208k	178k	288k	35k	0.957	350
14230	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	31.981	14	6	0	2.513	534.273	0.102	115.153	216k	185k	298k	36k	0.959	373
14231	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	39.342	14	6	0	2.529	537.528	0.103	141.09	265k	226k	356k	35k	0.96	428
14232	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	34.065	14	6	0	2.518	533.181	0.102	122.5	231k	196k	315k	35k	0.96	395
14233	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	38.038	14	6	0	2.534	537.162	0.103	137.212	258k	220k	349k	35k	0.96	460
14234	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	32.103	14	6	0	2.491	525.377	0.101	113.937	215k	182k	296k	35k	0.959	358
14235	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	34.901	14	6	0	2.524	533.364	0.103	126.78	239k	203k	327k	36k	0.956	389
14236	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	35.068	14	6	0	2.477	520.383	0.1	123.988	234k	198k	316k	35k	0.96	388
14237	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	24.481	14	6	0	2.557	540.618	0.105	88.646	168k	143k	242k	36k	0.958	298
14239	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	23.048	14	6	0	2.299	477.129	0.092	14.316	27k	23k	38k	6k	0.957	45 10 min run
14240	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	24.154	14	6	0	2.423	507.732	0.099	8.581	16k	14k	23k	4k	0.964	31 8 min. run
14241	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	32.884	14	6	0	2.341	487.161	0.093	104.571	198k	166k	264k	31k	0.96	332
14242	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	38.872	14	6	0	2.59	550.328	0.107	136.302	258k	220k	355k	34k	0.958	435
14243	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	37.566	14	6	0	2.579	546.547	0.107	136.929	259k	221k	359k	36k	0.957	449
14244	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	38.549	14	6	0	2.606	552.653	0.109	139.604	265k	226k	368k	35k	0.958	471
14245	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	26.804	14	6	0	2.624	556.585	0.11	53.18	101k	86k	146k	20k	0.959	191
14246	Prod	LH2	7.937	6.538	5.495	1.332	-35.12	31.249	14	6	0	2.588	547.554	0.108	106.945	203k	173k	287k	34k	0.958	352
14248	Prod	Dummy10cm	7.937	6.538	5.495	1.332	-35.12	33.351	11	4	0	0.931	100.887	0.016	112.805	296k	281k	52k	34k	0.984	27
14249	Prod	Dummy10cm	7.937	6.538	5.495	1.332	-35.12	37.539	11	4	0	0.942	102.277	0.017	134.445	352k	335k	58k	36k	0.98	33

Q²=3.85, W=3.07, LD+, SHMS=5.495deg

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P_HMS	Theta_HMS	Current	PS1	PS4	PS5	HMS_Rate (kHz)	SHMS_Rate (kHz)	Coin_Rate (kHz)	Charge (mC)	Raw_HMS	Raw_S_HMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
14251	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.668	14	7	0	5.118	551.974	0.201	92.217	262k	224k	672k	35k	0.962	388
14252	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	14.146	14	7	0	4.919	526.497	0.191	49.007	140k	119k	370k	35k	0.962	215
14253	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	22.709	14	7	0	5.04	539.555	0.195	81.657	233k	198k	591k	35k	0.962	354
14254	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.719	14	7	0	4.964	529.07	0.191	92.64	265k	224k	665k	35k	0.962	430
14255	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	24.119	14	0	-1	5.189	535.018	0.351	85.954	16594k	208k	1184k	35k	0.963	28
14256	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.842	14	7	0	5.265	541.701	0.353	93.614	278k	226k	1245k	605k	0.964	393
14257	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	11.284	14	7	0	5.174	530.322	0.348	21.439	67k	52k	480k	334k	0.964	61
14258	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	27.493	14	7	0	5.301	544.273	0.353	14.281	42k	35k	183k	86k	0.962	79
14259	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	24.566	14	7	0	5.069	534.973	0.194	86.438	249k	208k	622k	35k	0.963	371
14260	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.105	14	7	0	5.079	534.799	0.195	91.409	264k	220k	659k	36k	0.964	390
14261	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.103	14	7	0	5.146	541.426	0.198	95.257	275k	230k	692k	37k	0.961	426
14262	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	26.153	14	7	0	5.18	544.679	0.201	94.566	274k	228k	692k	35k	0.961	377
14263	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	26.099	14	7	0	5.217	547.383	0.203	95.709	278k	231k	704k	36k	0.961	411
14264	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	26.572	14	7	0	5.271	553.096	0.206	95.834	279k	232k	711k	35k	0.962	375
14265	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	24.198	14	7	0	5.238	548.294	0.206	97.19	284k	235k	728k	39k	0.962	415
14266	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	26.786	14	7	0	5.332	559.251	0.212	95.58	279k	232k	721k	35k	0.961	414
14267	Prod	LD2	7.937	6.538	5.495	1.332	-35.12	18.921	14	7	0	5.096	530.101	0.2	69.123	203k	167k	527k	36k	0.962	289

14268 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	24.286	14	7	0	5.292	551.99	0.209	85.063	249k	206k	645k	34k	0.96	351
14269 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	23.286	14	7	0	5.267	547.073	0.206	90.602	267k	220k	684k	38k	0.962	430
14270 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	26.074	14	0	-1	5.296	550.158	0.207	36.549	6979k	88k	273k	14k	0.961	153
14271 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	19.038	14	7	0	5.317	551.912	0.207	11.804	35k	29k	90k	6k	0.96	50
14272 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	20.709	14	7	0	4.991	512.601	0.19	72.941	216k	175k	540k	35k	0.962	321
14273 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.045	14	0	-1	5.18	534.245	0.199	28.854	5520k	69k	212k	11k	0.961	107
14274 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	23.708	14	0	-1	5.175	532.2	0.197	38.836	7456k	94k	286k	16k	0.961	172
14275 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	17.98	14	7	0	5.149	528.329	0.195	63.418	188k	152k	474k	35k	0.961	254
14276 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	23.842	14	7	0	5.168	529.572	0.195	84.696	250k	204k	618k	35k	0.963	364
14277 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	22.63	14	7	0	5.111	522.344	0.191	80.142	237k	192k	583k	35k	0.963	360
14278 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	24.637	14	7	0	5.131	523.792	0.193	99.348	295k	238k	721k	40k	0.963	410
14279 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	18.675	14	7	0	5.099	520.224	0.19	66.298	197k	159k	488k	35k	0.963	296
14280 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.415	14	7	0	5.169	526.352	0.194	90.025	267k	216k	653k	35k	0.963	352
14281 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	21.245	14	7	0	5.149	522.905	0.193	75.735	225k	182k	555k	35k	0.964	330
14282 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	25.617	14	7	0	5.187	527.263	0.195	95.261	284k	229k	695k	36k	0.962	439
14283 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	23.977	14	7	0	5.188	526.763	0.196	86.207	257k	207k	634k	35k	0.963	351
14284 Prod	LD2	7.937	6.538	5.495	1.332	-35.12	19.969	14	7	0	5.028	507.679	0.188	67.286	202k	161k	496k	33k	0.963	300

Q²=3.85, W=3.07, LD+, SHMS=6.385deg

Run	Type	Target	Theta		Theta		HMS			Rate	SHMS	Rate	Coin	Rate	Charge	Raw	Raw	S	Raw	C	SHMS	Hadron	Comments
			EBeam	P_SHMS	SHMS	P_HMS	HMS	Current	PS1														
14286 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	31.207	14	7	0	8.154	558.135	0.326	116.992	347k	189k	913k	37k	0.958		462		
14287 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	34.059	14	8	0	8.501	583.388	0.347	109.83	165k	178k	873k	32k	0.958		450		
14288 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	27.265	14	8	0	8.463	579.737	0.344	42.276	64k	68k	339k	15k	0.959		157		
14289 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	41.025	14	8	0	8.459	579.196	0.344	149.28	224k	242k	1180k	36k	0.958		608		
14290 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	40.555	14	8	0	8.563	586.165	0.352	146.859	221k	238k	1174k	35k	0.958		585		
14291 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	37.753	14	8	0	8.506	579.87	0.349	135.888	206k	221k	1092k	35k	0.958		547		
14292 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	25.873	14	8	0	8.353	567.2	0.34	79.548	121k	129k	647k	31k	0.958		335		
14293 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	22.868	14	8	0	6.036	400.261	0.231	80.655	124k	129k	617k	35k	0.96		285		
14294 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	36.211	14	8	0	8.466	575.026	0.347	129.295	197k	211k	1047k	35k	0.958		502		
14295 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	36.784	14	8	0	8.578	582.628	0.353	129.71	198k	212k	1057k	35k	0.959		529		
14296 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	33.818	14	8	0	8.62	583.937	0.356	119.99	183k	196k	983k	35k	0.959		459		
14297 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	32.265	14	8	0	8.617	582.513	0.356	113.886	174k	186k	937k	35k	0.96		411		
14298 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	11.048	14	8	0	8.037	538.463	0.323	25.745	40k	42k	223k	24k	0.958		96		
14299 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	29.266	14	8	0	8.348	561.063	0.335	105.195	162k	171k	847k	36k	0.959		451		
14300 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	39.635	14	8	0	8.57	577.136	0.347	148.824	229k	243k	1198k	37k	0.96		619		
14301 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	32.787	14	8	0	8.545	573.848	0.345	118.244	182k	193k	959k	36k	0.959		475		
14303 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	28.549	13	0	-1	6.716	422.945	0.203	53.334	10636k	163k	325k	18k	0.97		220		
14304 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	25.818	13	0	-1	6.618	415.313	0.199	41.492	8289k	127k	252k	16k	0.969		173		
14305 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	36.968	14	8	0	8.624	578.635	0.35	132.369	204k	216k	1073k	35k	0.959		521		
14306 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	34.552	14	8	0	8.574	573.507	0.346	124.11	192k	202k	1006k	35k	0.96		474		
14307 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	37.734	14	8	0	8.678	580.632	0.351	136.677	211k	222k	1107k	35k	0.96		544		
14308 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	29.768	14	8	0	8.541	569.243	0.344	108.463	168k	176k	884k	36k	0.96		470		
14309 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	43.957	14	8	0	8.77	585.788	0.354	10.033	16k	16k	81k	2k	0.958		35		
14310 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	38.406	14	8	0	8.493	570.352	0.341	48.287	74k	78k	385k	12k	0.959		171		
14312 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	34.297	14	8	0	8.399	560.081	0.336	123.455	191k	200k	990k	35k	0.959		506		
14314 Prod	Dummy10cm	7.937	6.538	6.385	1.332	-35.12	3.144	11	5	0	0.9	49.677	0.014	8.78	15k	12k	37k	36k	1		7		
14315 Prod	Dummy10cm	7.937	6.538	6.385	1.332	-35.12	30.411	11	5	0	0.952	53.046	0.014	110.786	165k	152k	48k	36k	0.991		60		
14316 Prod	Dummy10cm	7.937	6.538	6.385	1.332	-35.12	31.835	11	5	0	0.954	53.238	0.014	59.365	88k	82k	24k	19k	0.991		30		

Q²=3.85, W=3.07, LH+, SHMS=6.385deg

Run	Type	Target	Theta		Theta		HMS			Rate	SHMS	Rate	Coin	Rate	Charge	Raw	Raw	S	Raw	C	SHMS	Hadron	Comments
			EBeam	P_SHMS	SHMS	P_HMS	HMS	Current	PS1														
14318 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	45.491	14	7	0	3.894	500.044	0.15	163.32	167k	170k	426k	35k	0.957		492		
14319 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	51.958	14	7	0	4.081	530.053	0.161	186.39	190k	196k	491k	35k	0.956		568		
14320 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	2.258	14	7	0	3.387	429.45	0.125	5.347	6k	5k	47k	35k	0.962		30		
14321 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	53.221	14	7	0	4.021	521.658	0.157	187.125	190k	195k	487k	35k	0.959		608		
14322 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	53.373	14	7	0	4.042	524.437	0.158	188.345	191k	197k	490k	35k	0.958		582		
14323 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	50.494	14	7	0	3.979	515.163	0.155	180.5	183k	188k	470k	35k	0.959		527		
14324 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	59.873	14	7	0	4.111	534.94	0.161	213.277	216k	223k	552k	35k	0.957		620		
14325 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	53.54	14	7	0	3.973	513.784	0.154	187.908	191k	196k	484k	34k	0.955		574		
14326 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	55.836	14	7	0	4.045	523.657	0.157	195.292	198k	203k	504k	34k	0.956		537		
14327 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	55.248	14	7	0	4.035	521.184	0.156	189.334	192k	197k	485k	34k	0.959		589		
14328 Prod	LH2	7.937	6.538	6.385	1.332	-35.12	56.898	14	0	-1	4.054	523.36	0.156	110.453	7287k	115k	283k	19k	0.957		345		

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P	Theta_H	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_S	Raw_C	EDTM	SHMS_Hadron	Comments
14330	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	47.043	14	0	-1	3.941	506.06	0.15	84.845	5609K	88k	217k	18k	0.958	199 data after evt 1340000 somewhat corrupted
14334	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	54.168	14	7	0	3.982	511.252	0.152	192.706	196k	199k	488k	35k	0.958	593
14335	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	42.641	14	7	0	3.949	505.859	0.149	151.266	154k	156k	388k	35k	0.957	457
14336	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	52.26	14	7	0	3.93	502.662	0.148	185.053	188k	191k	465k	35k	0.959	547
14337	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	43.36	14	7	0	4.047	520.39	0.154	148.991	151k	154k	383k	34k	0.959	457 pions (updated MX2 cut)
14338	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	4.108	14	7	0	3.136	390.501	0.113	5.294	6k	5k	27k	16k	0.971	13
14339	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	51.162	14	7	0	4.098	531.995	0.162	190.465	193k	199k	504k	37k	0.957	599
14340	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	54.895	14	7	0	4.195	547.597	0.169	186.956	190k	196k	500k	33k	0.954	583
14341	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	53.014	14	7	0	4.015	520.369	0.159	193.829	197k	202k	512k	36k	0.955	627
14342	Prod	LH2	7.937	6.538	6.385	1.332	-35.12	58.247	14	7	0	4.215	552.887	0.172	207.925	211k	219k	562k	35k	0.955	638

Q²=3.85, W=3.07, LH+, SHMS=8.390deg

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P	Theta_H	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_S	Raw_C	EDTM	SHMS_Hadron	Comments
14344	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	52.45	12	7	0	4.35	186.925	0.069	195.116	198k	269k	211k	37k	0.979	487
14345	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	0.777	12	7	0	0	0	0	0	0k	0k	19k	19k	0	0
14346	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	39.56	12	7	0	4.4	188.59	0.069	135.527	137k	187k	154k	34k	0.978	301
14347	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	61.706	12	0	-1	4.447	190.904	0.07	217.067	14276k	299k	227k	35k	0.978	499
14348	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	51.086	12	7	0	4.318	184.978	0.068	200.946	203k	276k	216k	39k	0.979	485
14349	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	60.472	12	7	0	4.455	191.245	0.07	219.365	222k	302k	230k	36k	0.979	552
14350	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	46.061	12	7	0	4.349	185.799	0.068	179.826	182k	246k	195k	39k	0.977	438
14351	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	53.31	12	7	0	4.365	186.246	0.067	199.46	202k	273k	209k	37k	0.979	464
14352	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	57.771	12	7	0	4.394	187.326	0.068	202.417	205k	277k	209k	35k	0.979	465
14353	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	52.049	12	7	0	4.272	181.105	0.065	184.068	186k	251k	192k	35k	0.979	424
14354	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	57.29	12	7	0	4.292	180.969	0.065	161.778	164k	219k	164k	28k	0.979	362
14355	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	53.117	12	7	0	4.176	176.271	0.062	222.854	226k	302k	226k	42k	0.98	546
14356	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	57.498	12	7	0	4.225	178.497	0.063	186.84	189k	253k	187k	32k	0.979	423
14357	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	63.386	12	7	0	4.287	181.513	0.064	226.502	229k	307k	224k	35k	0.98	532
14358	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	54.271	12	7	0	4.177	176.243	0.062	192.71	195k	261k	194k	35k	0.98	493
14359	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	53.871	12	7	0	4.152	175.105	0.062	195.976	198k	265k	198k	36k	0.98	475
14360	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	60.398	12	7	0	4.276	181.302	0.064	207.163	209k	281k	206k	34k	0.98	508
14361	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	58.005	12	7	0	4.251	180.372	0.064	185.118	187k	251k	185k	32k	0.978	489
14362	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	58.11	12	7	0	4.282	182.183	0.065	211.233	213k	287k	214k	36k	0.981	540
14363	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	59.63	12	7	0	4.359	186.79	0.067	218.316	220k	298k	222k	36k	0.979	554
14364	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	51.465	12	7	0	4.281	184.515	0.067	185.807	186k	254k	196k	36k	0.978	420
14365	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	56.85	12	7	0	4.324	186.191	0.067	213.112	214k	292k	222k	37k	0.981	522
14366	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	31.401	9	5	0	0.972	19.698	0.012	116.739	173k	231k	42k	37k	0.994	17
14367	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	34.221	9	5	0	0.989	20.045	0.012	63.671	94k	126k	21k	19k	0.998	14
14369	Prod	LH2	7.937	6.538	8.39	1.332	-35.12	55.936	13	0	-1	13.059	346.704	0.323	186.426	35751k	232k	889k	32k	0.968	348 pi/n

Q²=3.85, W=3.07, LD+, SHMS=8.390deg

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P	Theta_H	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_S	Raw_C	EDTM	SHMS_Hadron	Comments
14370	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	58.595	13	9	0	13.239	350.775	0.329	199.809	150k	248k	961k	34k	0.968	546 pi/n
14371	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	13.215	13	9	0	12.986	341.863	0.321	42.338	32k	53k	230k	33k	0.969	127
14372	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	60.28	13	9	0	13.121	344.954	0.323	217.059	163k	269k	1035k	35k	0.97	639
14373	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	58.756	13	9	0	13.209	345.895	0.324	211.529	160k	262k	1012k	36k	0.969	599
14374	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	64.963	13	9	0	13.305	347.198	0.326	232.583	176k	288k	1111k	35k	0.97	686
14375	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	60.685	13	9	0	13.29	344.973	0.326	215.529	164k	267k	1037k	35k	0.97	616
14376	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	58.769	13	9	0	13.31	343.823	0.325	208.292	159k	258k	1005k	35k	0.969	624
14377	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	56.828	13	9	0	13.094	336.381	0.318	202.214	155k	250k	976k	35k	0.97	600
14378	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	62.552	13	9	0	13.462	345.677	0.33	222.296	171k	276k	1080k	35k	0.971	673
14379	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	57.581	13	9	0	13.423	343.481	0.329	224.423	173k	278k	1096k	38k	0.97	653
14380	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	64.769	13	9	0	13.567	346.377	0.332	231.352	179k	287k	1130k	35k	0.97	684
14381	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	59.653	13	9	0	13.506	344.717	0.332	223.865	174k	279k	1104k	37k	0.969	662
14382	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	60.341	13	9	0	13.571	344.3	0.332	208.525	162k	259k	1026k	34k	0.969	557
14383	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	56.471	13	9	0	13.616	344.567	0.333	194.052	152k	241k	959k	34k	0.971	560
14384	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	61.985	13	9	0	13.918	352.005	0.343	227.477	178k	282k	1131k	36k	0.97	636
14385	Prod	LD2	7.937	6.538	8.39	1.332	-35.12	55.722	13	9	0	13.623	342.873	0.333	206.35						

14390 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	54.978	14	6	0	1.755	572.522	0.08	181.028	157k	206k	238k	32k	0.95	182
14391 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	56.381	14	6	0	1.768	578.746	0.08	202.932	175k	231k	265k	35k	0.95	215
14392 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	59.445	14	6	0	1.781	582.885	0.08	211.729	183k	241k	274k	35k	0.948	232
14393 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	44.696	14	6	0	1.702	552.431	0.076	156.937	136k	177k	208k	35k	0.95	163
14395 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	55.406	14	6	0	1.74	566.228	0.078	196.6	170k	223k	255k	35k	0.949	204
14396 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	52.154	14	6	0	1.736	565.49	0.078	193.36	167k	219k	253k	36k	0.95	204
14397 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	57.318	14	6	0	1.753	571.94	0.079	235.288	203k	266k	304k	40k	0.951	238
14398 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	56.15	14	6	0	1.732	561.072	0.077	220.303	190k	247k	282k	38k	0.951	232
14416 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	53.077	14	6	0	1.703	565.941	0.077	186.633	159k	212k	241k	34k	0.952	227
14417 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	55.614	14	6	0	1.718	574.039	0.078	198.007	168k	226k	255k	35k	0.952	201
14418 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	52.208	14	6	0	1.707	569.714	0.077	218.027	185k	249k	283k	41k	0.952	206
14419 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	59.335	14	6	0	1.732	580.097	0.079	197.991	168k	226k	254k	33k	0.948	194
14420 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	49.614	14	6	0	1.68	559.113	0.076	162.825	138k	185k	212k	32k	0.947	159
14421 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	54.055	14	6	0	1.714	572.827	0.077	199.239	169k	227k	256k	36k	0.949	217
14422 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	55.432	14	6	0	1.722	576.008	0.078	197.68	168k	226k	254k	35k	0.949	216
14423 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	56.51	14	6	0	1.719	574.128	0.077	202.175	171k	230k	258k	35k	0.95	244
14424 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	55.941	14	6	0	1.703	566.135	0.076	198.313	168k	225k	252k	35k	0.948	199
14425 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	52.422	14	6	0	1.68	557.175	0.075	188.453	160k	214k	240k	35k	0.954	210
14426 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	56.421	14	6	0	1.701	565.323	0.076	201.635	171k	229k	254k	35k	0.947	204
14427 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	52.877	14	6	0	1.681	557.818	0.075	188.998	160k	214k	239k	35k	0.953	202
14428 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	34.115	14	6	0	1.711	569.225	0.076	55.377	47k	63k	77k	16k	0.948	47
14429 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	54.967	14	6	0	1.67	553.04	0.074	199.762	169k	226k	250k	36k	0.951	225
14430 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	44.762	14	6	0	1.636	540.218	0.072	51.154	43k	58k	66k	11k	0.951	50
14431 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	30.929	14	6	0	1.721	575.133	0.078	113.368	97k	129k	162k	37k	0.954	140
14432 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	51.257	14	6	0	1.699	567.386	0.076	200.743	170k	228k	258k	38k	0.949	214
14433 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	53.203	14	6	0	1.717	574.494	0.077	197.061	167k	224k	253k	36k	0.95	206
14434 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	37.551	14	6	0	1.579	524.164	0.071	140.143	119k	159k	188k	37k	0.951	149
14435 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	43.506	14	0	-1	1.689	563.926	0.076	155.946	4362k	177k	206k	35k	0.949	165
14436 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	43.731	14	6	0	1.703	569.512	0.077	155.81	132k	177k	207k	35k	0.95	153
14437 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	54.012	14	6	0	1.75	578.03	0.079	193.25	166k	221k	252k	35k	0.952	206
14438 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	50.793	14	6	0	1.758	581.139	0.08	181.252	156k	207k	239k	35k	0.95	159
14439 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	49.271	14	6	0	1.755	581.167	0.08	176.888	152k	203k	236k	35k	0.949	202
14440 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	47.369	14	6	0	1.735	574	0.079	171.583	148k	196k	229k	36k	0.949	176
14441 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	51.721	14	6	0	1.756	583.159	0.08	179.637	154k	206k	239k	34k	0.949	184
14442 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	56.246	14	6	0	1.78	592.576	0.082	201.348	173k	231k	266k	35k	0.949	208
14443 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	36.378	14	6	0	1.716	568.983	0.079	130.362	112k	149k	184k	36k	0.953	147
14444 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	54.336	14	6	0	1.76	584.409	0.08	193.174	166k	221k	254k	35k	0.951	194
14445 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	51.423	14	6	0	1.715	567.223	0.077	178.541	153k	204k	233k	34k	0.951	172
14446 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	57.894	14	6	0	1.748	577.453	0.079	209.975	180k	239k	271k	36k	0.953	221
14447 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	49.92	14	6	0	1.69	555.586	0.075	179.248	154k	203k	232k	35k	0.952	183
14448 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	54.299	14	6	0	1.698	557.931	0.076	182.274	156k	206k	232k	33k	0.949	186
14449 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	50.258	14	6	0	1.681	550.615	0.074	182.54	157k	206k	234k	36k	0.951	208
14450 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	49.545	14	6	0	1.72	567.324	0.077	189.585	163k	216k	248k	38k	0.949	209
14451 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	53.403	14	6	0	1.721	569.801	0.078	184.746	158k	211k	241k	34k	0.951	207
14452 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	36.152	14	6	0	1.725	569.586	0.078	101.019	87k	115k	140k	28k	0.95	110
14453 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	54.196	14	6	0	1.722	568.757	0.078	193.451	166k	220k	252k	35k	0.951	206
14454 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	51.824	14	6	0	1.736	575.268	0.079	187.992	161k	215k	246k	36k	0.95	180
14455 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	52.781	14	6	0	1.7	561.182	0.077	197.043	169k	225k	257k	37k	0.95	233
14456 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	51.075	14	6	0	1.72	569.855	0.078	190.941	164k	218k	252k	37k	0.949	177
14457 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	57.017	14	6	0	1.747	579.751	0.079	198.122	170k	227k	257k	34k	0.948	203
14458 Prod	LH2	7.937	6.719	6.17	1.104	-44.37	51.639	14	6	0	1.711	565.998	0.078	176.621	151k	202k	232k	34k	0.95	206
14459 Prod	Dummy10cm	7.937	6.719	6.17	1.104	-44.37	32.279	11	3	0	0.465	57.38	0.012	109.852	265k	159k	39k	34k	0.983	6
14460 Prod	Dummy10cm	7.937	6.719	6.17	1.104	-44.37	28.655	11	3	0	0.465	57.486	0.012	101.726	246k	177k	40k	36k	0.993	6
14461 Prod	Dummy10cm	7.937	6.719	6.17	1.104	-44.37	30.057	11	3	0	0.463	57.156	0.012	106.232	257k	154k	41k	35k	0.992	9
14462 Prod	Dummy10cm	7.937	6.719	6.17	1.104	-44.37	33.609	11	3	0	0.469	58.147	0.012	144.355	348k	209k	50k	43k	0.987	13

Q²=6.00, W=2.95, LH+, SHMS=8.175deg

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P_HMS	Theta_HMS	HMS	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_S_HMS	Raw_Coin	Raw_EDTM	SHMS_Tracking	Hadron_Tracking	Comments
14463 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	48.34	12	6	0	1.905	194.124	0.036	170.04	145k	238k	101k	35k	0.977	163			
14465 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	50.055	12	6	0	1.912	194.728	0.036	178.016	152k	249k	105k	35k	0.978	206			
14466 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	31.233	12	6	0	1.851	187.42	0.035	38.628	33k	54k	27k	12k	0.972	38			
14467 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	61.349	12	6	0	1.932	196.419	0.036	223.622	191k	312k	121k	36k	0.974	219			
14468 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	55.243	12	6	0	1.913	194.26	0.036	195.479	167k	273k	111k	35k	0.982	179			
14469 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	36.309	12	6	0	1.945	198.635	0.037	99.855	85k	140k	66k	28k</					

14470 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	50.036	12	6	0	1.869	189.936	0.035	181.337	155k	253k	105k	36k	0.975	174
14471 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	63.078	12	6	0	1.956	199.957	0.037	216.866	185k	304k	118k	34k	0.978	204
14472 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	63.054	12	6	0	1.94	198.101	0.037	222.348	189k	311k	121k	35k	0.977	206
14473 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	50.281	12	6	0	1.936	197.853	0.037	179.869	153k	252k	105k	36k	0.975	175
14474 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	56.209	12	6	0	1.908	194.159	0.036	198.489	169k	277k	111k	35k	0.976	174
14475 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	41.641	12	6	0	1.874	190.062	0.035	148.371	127k	206k	92k	36k	0.98	161
14476 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	40.762	12	6	0	1.897	191.934	0.035	133.615	114k	186k	83k	33k	0.976	141
14477 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	30.257	12	6	0	1.648	164.867	0.031	107.588	92k	148k	75k	36k	0.979	102
14478 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	64.999	12	6	0	1.88	189.873	0.035	234.443	199k	324k	122k	36k	0.979	245
14479 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	61.628	12	6	0	1.865	188.039	0.034	247.27	210k	341k	130k	40k	0.979	222
14480 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	52.394	12	6	0	1.812	181.232	0.033	169.758	145k	233k	93k	32k	0.98	157
14481 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	61.193	12	6	0	1.84	184.243	0.033	257.997	220k	355k	135k	42k	0.978	226
14482 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	61.259	12	6	0	1.845	184.762	0.033	215.907	184k	297k	112k	35k	0.976	204
14483 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	57.236	12	6	0	1.827	182.533	0.033	204.439	175k	281k	110k	35k	0.98	194
14484 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	54.009	12	6	0	1.836	183.656	0.033	195.104	167k	269k	106k	36k	0.977	205
14488 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	58.132	12	6	0	1.912	194.803	0.036	208.083	177k	290k	114k	36k	0.976	205
14489 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	55.726	12	6	0	1.909	194.776	0.036	200.09	170k	279k	112k	36k	0.978	176
14490 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	49.642	12	6	0	1.873	191.019	0.035	176.502	150k	246k	102k	35k	0.977	156
14491 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	58.883	12	6	0	1.907	194.654	0.036	211.609	180k	295k	116k	36k	0.977	192
14492 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	58.662	12	6	0	1.898	193.461	0.036	205.775	175k	287k	113k	35k	0.979	187
14493 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	26.527	12	6	0	1.612	160.317	0.03	95.797	82k	131k	70k	36k	0.978	103
14494 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	46.082	12	6	0	1.743	174.969	0.032	173.459	148k	239k	100k	37k	0.976	151
14495 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	27.672	12	6	0	1.647	165.507	0.031	23.357	20k	32k	17k	9k	0.975	22
14496 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	52.97	12	6	0	1.871	190.436	0.035	190.281	162k	265k	108k	36k	0.978	192
14497 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	53.924	12	6	0	1.918	196.195	0.036	189.504	161k	265k	107k	35k	0.977	179
14498 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	60.495	12	0	-1	1.877	190.92	0.035	214.473	6020k	299k	116k	35k	0.977	185 and this is a HMS 3/4 run
14499 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	24.666	12	6	0	1.778	179.033	0.033	56.813	49k	79k	44k	23k	0.981	53
14500 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	44.306	12	6	0	1.75	176.079	0.033	164.708	141k	227k	97k	37k	0.982	141
14501 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	13.98	12	6	0	1.228	117.583	0.024	45.207	40k	60k	48k	34k	0.975	46
14513 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	29.965	12	6	0	1.779	185.7	0.033	54.09	45k	74k	38k	18k	0.981	47
14515 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	62.266	12	6	0	1.806	189.303	0.034	224.664	183k	308k	115k	36k	0.977	208
14516 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	63.448	12	6	0	1.835	193.345	0.034	228.142	185k	314k	117k	36k	0.976	203
14517 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	66.382	12	6	0	1.838	193.745	0.034	239.021	194k	330k	120k	36k	0.978	236
14518 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	61.867	12	6	0	1.794	187.579	0.033	210.149	171k	288k	107k	34k	0.974	187 pion events
14519 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	64.733	12	6	0	1.821	190.932	0.034	232.229	189k	320k	118k	36k	0.979	183 pion events
14520 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	58.44	12	6	0	1.825	191.54	0.034	202.62	166k	280k	107k	34k	0.979	181 pion events
14521 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	68.176	12	6	0	1.853	194.822	0.035	239.431	195k	331k	121k	35k	0.976	211 pion events
14522 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	63.081	12	6	0	1.84	192.904	0.034	224.909	184k	311k	116k	35k	0.976	217 pion events
14523 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	65.214	12	6	0	1.831	191.761	0.034	232.314	190k	321k	118k	35k	0.978	211 pion events
14524 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	66.04	12	6	0	1.851	193.562	0.034	227.316	187k	314k	116k	34k	0.976	216 pion events
14525 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	64.337	12	6	0	1.834	191.22	0.034	229.962	189k	318k	118k	35k	0.978	216 pion events
14526 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	60.037	12	6	0	1.813	188.802	0.034	201.541	166k	278k	105k	33k	0.981	yes
14527 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	58.782	12	6	0	1.806	186.927	0.033	212.567	176k	292k	111k	36k	0.978	207
14528 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	52.831	12	6	0	1.806	187.095	0.033	210.326	174k	290k	113k	40k	0.981	194
14529 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	30.469	12	6	0	1.799	185.803	0.033	115.348	96k	159k	79k	38k	0.98	89
14530 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	44.236	12	6	0	1.779	183.748	0.033	166.438	138k	229k	96k	38k	0.98	168
14531 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	55.754	12	6	0	1.789	185.12	0.033	216.738	180k	299k	115k	39k	0.98	200
14532 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	56.256	12	6	0	1.802	185.968	0.033	201.52	167k	278k	107k	36k	0.981	222
14533 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	16.505	12	6	0	1.781	183.582	0.033	51.961	44k	72k	51k	33k	0.977	40
14534 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	61.964	12	6	0	1.803	185.853	0.033	223.197	185k	307k	115k	36k	0.977	217
14535 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	50.736	12	6	0	1.745	180.005	0.032	179.894	149k	247k	98k	35k	0.976	154
14537 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	57.905	12	6	0	1.768	182.963	0.033	206.253	170k	283k	107k	35k	0.979	213
14538 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	56.09	12	6	0	1.768	182.683	0.033	200.354	165k	275k	105k	35k	0.978	201
14539 Prod	LH2	7.937	6.719	8.175	1.104	-44.37	58.053	12	6	0	1.784	184.491	0.033	75.194	62k	103k	39k	13k	0.976	55
14541 Prod	Dummy10cm	7.937	6.719	8.175	1.104	-44.37	32.554	9	3	0	0.432	18.249	0.011	116.687	272k	222k	38k	36k	0.983	8
14542 Prod	Dummy10cm	7.937	6.719	8.175	1.104	-44.37	35.387	9	3	0	0.433	18.249	0.011	126.472	294k	241k	38k	36k	0.997	6
14543 Prod	Dummy10cm	7.937	6.719	8.175	1.104	-44.37	34.837	9	3	0	0.438	18.466	0.011	122.79	286k	234k	37k	35k	0.997	8 pions (dummy target)
14544 Prod	Dummy10cm	7.937	6.719	8.175	1.104	-44.37	36.453	9	3	0	0.438	18.516	0.011	132.576	308k	253k	38k	36k	0.985	8 pion events (dummy)

Q²=2.45, W=3.20, LH+, SHMS=8.160deg

Run	Type	Target	EBeam	P_SHMS	Theta_SHMS	Theta_P_HMS	HMS	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_S_HMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
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796 pions for 20mins

14545 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	40.29	13	9	0	16.19	248.296	0.292	83.741	79k	76k	374k	21k	0.978	beam time
14548 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	61.662	13	9	0	16.241	248.267	0.293	220.194	208k	199k	965k	35k	0.979	2206 pions
14549 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	61.175	13	9	0	16.529	251.747	0.299	199.372	189k	181k	881k	32k	0.979	1909
14550 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	58.455	13	9	0	16.583	251.123	0.299	197.861	189k	179k	879k	34k	0.979	1942
14551 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	62.471	13	9	0	16.411	246.706	0.292	224.632	215k	203k	985k	36k	0.979	2110 pion events
14552 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	59.127	13	9	0	16.434	245.87	0.291	204.143	196k	184k	898k	34k	0.979	2035
14553 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	63.253	13	9	0	16.771	251.104	0.303	225.129	217k	204k	1009k	35k	0.979	2150
14554 Prod	Dummy10cm	7.937	6.265	8.16	1.644	-25.035	32.763	10	7	0	3.245	26.165	0.017	118.463	154k	157k	58k	36k	0.993	90
14556 Prod	LH2	7.937	6.265	8.16	1.644	-25.035	61.486	13	0	-1	16.747	250.044	0.302	81.592	20266k	74k	367k	13k	0.979	819

Q²=2.45, W=3.20, LH+, SHMS=6.160deg

14559 Prod	Dummy10cm	7.937	6.265	6.16	1.644	-25.035	49.105	14	0	-1	13.384	567.156	0.535	58.504	14653k	76k	587k	11k	0.96	786
14560 Prod	LH2	7.937	6.265	6.16	1.644	-25.035	39.231	14	9	0	13.171	556.698	0.524	140.422	137k	182k	1411k	35k	0.96	2027
14561 Prod	LH2	7.937	6.265	6.16	1.644	-25.035	51.125	14	9	0	13.483	570.268	0.54	182	178k	236k	1832k	35k	0.959	2691
14562 Prod	LH2	7.937	6.265	6.16	1.644	-25.035	39.833	14	9	0	13.516	570.493	0.542	140.466	138k	182k	1428k	35k	0.96	2034
14563 Prod	LH2	7.937	6.265	6.16	1.644	-25.035	48.719	14	9	0	13.543	570.649	0.543	185.437	182k	240k	1878k	37k	0.96	2745
14564 Prod	LH2	7.937	6.265	6.16	1.644	-25.035	50.14	14	9	0	13.536	569.14	0.543	181.492	178k	235k	1842k	35k	0.96	2619
14565 Prod	Dummy10cm	7.937	6.265	6.16	1.644	-25.035	21	14	9	0	3.281	73.542	0.027	6.368	2k	1k	6k	3k	0.992	5
14566 Prod	Dummy10cm	7.937	6.265	6.16	1.644	-25.035	35.738	11	7	0	3.303	74.13	0.028	131.133	172k	245k	98k	37k	0.99	159
14567 Prod	LH2	7.937	6.265	6.16	1.644	-25.035	0.761	11	7	0	0	0	0	0	0k	0k	2k	2k	0	0

HEEP COIN #1

14570 HeePCoin	LH2	7.937	2.634	37.93	6.079	-15.45	69.031	6	7	0	6.293	2.728	0.165	9.657	14k	12k	23k	1k	0.997	10650
14571 HeePCoin	LH2	7.937	2.634	37.93	6.079	-15.45	65.099	6	7	0	6.23	2.689	0.162	19.933	28k	24k	47k	3k	0.998	21375
14572 HeePCoin	LH2	7.937	2.634	37.93	6.079	-15.45	64.585	6	7	0	6.201	2.675	0.161	232.578	326k	277k	552k	36k	0.998	250735
14574 HeePCoin	Dummy10cm	7.937	2.634	37.93	6.079	-15.45	20.638	5	5	0	1.067	1.175	0.015	22.23	36k	40k	14k	11k	0.999	115

HEEP COIN #2

14577 HeePCoin	LH2	7.937	3.493	31.105	5.202	-19.88	19.86	6	5	0	1.04	2.637	0.043	16.726	15k	20k	17k	9k	0.997	3836
14578 HeePCoin	LH2	7.937	3.493	31.105	5.202	-19.88	50.003	6	5	0	1.029	2.609	0.043	101.092	92k	119k	70k	20k	0.997	23544
14579 HeePCoin	LH2	7.937	3.493	31.105	5.202	-19.88	60.845	6	5	0	1.025	2.6	0.043	271.25	245k	320k	178k	44k	0.998	62704
14580 HeePCoin	Dummy10cm	7.937	3.493	31.105	5.202	-19.88	38.698	6	5	0	0.19	0.755	0.011	35.943	10k	21k	10k	9k	0.995	28

HEEP COIN #3

14582 HeePCoin	Dummy10cm	7.937	4.388	25.26	4.388	-25.26	37.986	3	0	0	0.036	0.842	0.01	36.903	34k	158k	10k	10k	1	7
14584 HeePCoin	LH2	7.937	4.388	25.26	4.388	-25.26	63.342	6	0	0	0.139	3.874	0.018	114.181	234k	197k	31k	18k	0.997	6195
14585 HeePCoin	LH2	7.937	4.388	25.26	4.388	-25.26	55.147	6	0	0	0.137	3.825	0.018	196.004	405k	338k	58k	36k	0.997	10490
14586 HeePCoin	LH2	7.937	4.388	25.26	4.388	-25.26	59.547	6	0	0	0.136	3.78	0.018	210.689	433k	363k	60k	35k	0.997	11535
14587 HeePCoin	LH2	7.937	4.388	25.26	4.388	-25.26	64.721	6	0	0	0.136	3.8	0.018	230.271	471k	396k	62k	35k	0.998	12693

HEEP COIN #4

14590 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	58.182	7	0	0	0.026	7.051	0.011	106.063	45k	176k	20k	18k	0.996	987
14592 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	51.87	7	0	0	0.027	7.216	0.011	186.375	82k	309k	40k	36k	0.995	1739
14593 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	66.272	7	0	0	0.027	7.315	0.011	240.512	96k	399k	41k	36k	0.998	2197
14594 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	51.009	7	0	0	0.027	7.298	0.011	182.832	82k	304k	39k	36k	0.996	1639
14595 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	37.492	7	0	0	0.027	7.283	0.011	134.063	69k	223k	39k	36k	0.999	1228
14597 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	32.45	7	0	0	0.026	7.202	0.011	108.394	61k	181k	36k	34k	0.996	998
14598 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	59.247	7	0	0	0.027	7.227	0.011	216.857	90k	360k	41k	37k	0.997	1985
14599 HeePCoin	LH2	7.937	5.512	19.265	3.283	-33.645	61.733	7	0	0	0.026	7.079	0.011	115.596	47k	192k	21k	19k	0.996	1084
14600 HeePCoin	Dummy10cm	7.937	5.512	19.265	3.283	-33.645	36.287	7	0	0	0.015	1.266	0.01	35.485	15k	18k	10k	10k	1	0

fADC DeadTime COIN Study #1

Run	Type	Target	EBeam	P_SHMS	Theta_SHMS	Theta_P_HMS	Theta_HMS	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_S_HMS	Raw_C_HMS	SHMS_Hadron_Tracking	EDTM	Comments
14601 Prod	LH2	7.937	5.422	7.225	2.498	-16.335	52.247	14	10	0	49.817	592.21	2.08	133.749	214k	159k	4591k	25k	0.969	16611	
14602 Prod	LH2	7.937	5.422	7.225	2.498	-16.335	36.138	14	10	0	40.184	461.757	1.323	159.064	257k	185k	4359k	43k	0.976	20703	
14603 Prod	LH2	7.937	5.422	7.225	2.498	-16.335	32.572	14	9	0	31.086	345.072	0.774	135.538	441k	154k	2828k	41k	0.982	18930	
14604 Prod	LH2	7.937	5.422	7.225	2.498	-16.335	21.787	13	9	0	20.786	221.912	0.35	130.43	428k	287k	1861k	59k	0.988	19546	
14605 Prod	LH2	7.937	5.422	7.225	2.498	-16.335	11.39	12	8	0	11.238	115.821	0.115	40.863	271k	176k	362k	36k	0.993	6533	
14606 Prod	LH2	7.937	5.422	7.225	2.498	-16.335	11.166	12	8	0	11.279	116.261	0.116	41.042	272k	176k	365k	37k	0.993	6512	
14607 Prod	LH2	7.937	5.422	7.225	2.498	-16.335	13.24	12	0	-1	11.393	117.477	0.117	26.822	22863k	115k	236k	20k	0.992	4187	
EDTM rate set to 1300hz for some																					
14610 Prod	Dummy10cm	7.937	5.422	7.225	2.498	-16.335	37.375	10	8	0	11.335	75.526	1.339	12.685	30k	50k	454k	432k	0.994	reason	
14611 Prod	Dummy10cm	7.937	5.422	7.225	2.498	-16.335	35.372	10	8	0	9.922	73.21	0.07	38.61	81k	150k	74k	11k	0.993	348	

fADC DeadTime COIN Study #2

14612 Prod	Dummy10cm	7.937	5.422	9.23	2.498	-16.335	37.142	10	8	0	10.013	32.234	0.041	41.978 87k	71k	46k	11k	0.995	233
14613 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	63.117	13	10	0	55.003	268.72	1.065	147.808 240k	147k	2386k	23k	0.984	12231
14614 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	38.03	13	10	0	44.246	210.381	0.687	113.367 186k	111k	1489k	30k	0.987	8305
14615 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	44.882	12	10	0	43.43	205.802	0.667	59.906 99k	117k	778k	13k	0.987	5298
14616 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	34.324	12	10	0	33.487	154.974	0.401	127.09 210k	243k	1296k	37k	0.99	11481
14617 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	23.7	11	9	0	22.778	102.477	0.195	81.2 270k	304k	598k	34k	0.992	7753
14618 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	12.249	11	9	0	22.807	102.611	0.197	35.865 119k	135k	281k	30k	0.992	3473
14619 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	25.822	11	9	0	22.925	103.343	0.197	67.21 223k	252k	494k	26k	0.992	6398
14620 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	12.854	11	8	0	11.578	50.865	0.064	45.003 300k	166k	217k	35k	0.994	4521
14621 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	12.56	11	8	0	11.554	50.726	0.064	43.919 293k	162k	213k	35k	0.994	4445
14622 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	11.859	11	8	0	11.547	50.678	0.064	41.393 277k	153k	203k	35k	0.995	4169
14623 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	12.014	11	8	0	11.564	50.717	0.065	47.031 314k	173k	230k	39k	0.994	4756
14624 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	52.517	13	10	0	54.489	263.561	1.05	102.837 169k	102k	1675k	19k	0.983	8555
14625 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	51.966	12	10	0	44.753	211.56	0.696	79.951 132k	156k	1055k	15k	0.986	6899
14626 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	37.94	12	10	0	34.085	156.99	0.411	82.174 137k	158k	847k	21k	0.99	7388
14627 Prod	LH2	7.937	5.422	9.23	2.498	-16.335	8.112	11	0	-1	11.6	50.607	0.064	24.586 21316k	91k	131k	31k	0.994	2554

Q²=3.85, W=3.07, LD-, SHMS=8.390deg

Run	Type	Target	EBeam	P_SHMS	SHMS	P_HMS	HMS	Current	PS1	PS4	PS5	HMS Rate (kHz)	SHMS Rate (kHz)	Coïn Rate (kHz)	Charge (mC)	Raw_HMS	Raw_S_HMS	Raw_C_HMS	EDTM	SHMS Tracking	Hadron Tracking	Comments
14628 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.855	13	6	0	4.003	569.246	0.161	75.029 492k	563k	656k	41k	0.687			79	
14629 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	18.139	13	6	0	4.08	581.405	0.167	66.782 437k	501k	592k	36k	0.686			89	
14630 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.94	13	6	0	4.085	582.148	0.168	61.77 404k	463k	551k	36k	0.692			79	
14631 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.487	13	6	0	4.036	576.372	0.165	45.252 296k	340k	401k	27k	0.693			77	
14632 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	18.261	13	6	0	4.031	576.091	0.164	80.311 524k	603k	705k	43k	0.69			126	
14633 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.919	13	6	0	4.005	573.432	0.162	65.303 425k	490k	570k	36k	0.693			95	
14634 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.365	13	6	0	4.018	575.174	0.163	58.942 384k	442k	519k	35k	0.693			88	
14636 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.222	13	6	0	3.987	571.384	0.162	56.611 369k	426k	496k	32k	0.688			67	
14637 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.753	13	6	0	3.965	568.825	0.161	58.528 381k	440k	512k	34k	0.691			75	
14638 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	11.491	13	6	0	3.975	570.381	0.161	28.639 186k	215k	258k	25k	0.693			48	
14639 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.119	13	6	0	4.018	576.094	0.163	58.587 381k	440k	515k	36k	0.695			79	
14640 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.564	13	6	0	4.045	581.475	0.166	63.422 411k	476k	558k	35k	0.697			83	
14641 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	10.136	13	6	0	4.038	580.177	0.166	23.86 155k	179k	222k	24k	0.689			30	
14642 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	15.143	13	6	0	4.063	583.256	0.167	61.233 398k	460k	549k	40k	0.682			102	
14643 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.938	13	6	0	4.07	585.372	0.168	68.073 441k	511k	605k	39k	0.685			81	
14644 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.312	13	6	0	4.072	585.825	0.169	62.644 406k	470k	557k	35k	0.69			86	
14645 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.663	13	6	0	4.063	585.321	0.168	59.953 388k	450k	534k	35k	0.693			99	
14646 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.378	13	6	0	4.048	582.987	0.167	65.636 425k	493k	582k	37k	0.688			85	
14647 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.818	13	6	0	4.061	585.383	0.168	63.636 411k	478k	563k	35k	0.691			77	
14648 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.088	13	6	0	4.061	585.784	0.168	61.579 398k	462k	547k	35k	0.698			79	
14649 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.26	13	6	0	4.053	585.119	0.168	59.018 381k	443k	523k	33k	0.691			63	
14650 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.813	13	6	0	4.052	584.746	0.167	68.943 445k	517k	608k	38k	0.684			98	
14651 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	15.914	13	6	0	4.072	583.982	0.168	50.834 331k	382k	455k	31k	0.69			64	
14652 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	15.195	13	6	0	4.077	585.541	0.169	54.565 354k	410k	491k	35k	0.687			82	
14653 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.493	13	6	0	4.043	580.453	0.167	60.245 392k	453k	537k	36k	0.689			74	
14654 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.252	13	6	0	4.094	587.951	0.169	66.019 428k	495k	591k	40k	0.692			75	
14655 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.583	13	6	0	4.087	587.157	0.169	83.424 542k	627k	747k	49k	0.69			99	
14656 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	12.97	13	6	0	4.09	587.934	0.17	46.86 304k	352k	428k	36k	0.693			69	
14657 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.008	13	6	0	4.068	584.893	0.168	66.985 434k	503k	596k	38k	0.681			75	
14659 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	7.948	13	6	0	4.067	584.893	0.168	26.248 171k	198k	253k	35k	0.703			21	
14660 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.253	13	6	0	4.04	581.465	0.166	61.793 400k	464k	546k	35k	0.694			83	
14661 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.238	13	6	0	4.037	582.393	0.166	61.128 395k	459k	539k	35k	0.692			80	
14662 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	14.249	13	6	0	4.019	579.323	0.165	50.074 324k	376k	449k	35k	0.69			65	
14663 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	12.435	13	6	0	4.053	583.852	0.167	42.902 278k	322k	390k	35k	0.694			54	
14664 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	14.617	13	6	0	4.018	578.609	0.165	51.489 334k	387k	460k	35k	0.691			70	
14665 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.873	13	6	0	4.044	583.185	0.167	59.665 387k	449k	529k	35k	0.688			84	
14666 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.295	13	6	0	4.063	586.64	0.168	58.139 376k	438k	519k	35k	0.687			74	
14667 Prod	Dummy10cm	7.937	6.538	8.39	1.332	-35.12	28.956	13	6	0	0.992	219.952	0.024	103.243 85k	150k	76k	35k	0.634			7	
14669 Prod	Dummy10cm	7.937	6.538	8.39	1.332	-35.12	34.019	13	6	0	0.975	216.941	0.024	126.454 103k	184k	86k	37k	0.639			11	
14672 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.92	13	0	-1	3.955	573.734	0.161	60.121 12812k	454k	526k	34k	0.679			59	
14673 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.581	13	6	0	3.97	576.559	0.161	61.925 400k	467k	538k	34k	0.684			89	
14674 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.308	13	6	0	3.939	572.156	0.16	57.739 372k	436k	501k	33k	0.688			81	
14675 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	15.512	13	6	0	3.916	568.804	0.159	51.726 334k	391k	452k	33k	0.696			70	
14676 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.833	13	6	0	3.945	573.709	0.16	70.365 453k	531k	609k	38k	0.691			99	

14677 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.915	13	6	0	3.927	570.664	0.159	59.05	381k	446k	510k	34k	0.685	70
14678 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	12.815	13	6	0	3.89	564.788	0.157	43.78	283k	331k	387k	34k	0.679	48
14679 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.988	13	6	0	3.944	572.864	0.16	60.104	388k	454k	523k	35k	0.689	68
14680 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	16.808	13	6	0	3.949	573.851	0.161	59.445	383k	448k	517k	35k	0.691	82
14681 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	18.514	13	6	0	3.973	577.915	0.162	65.506	422k	494k	568k	34k	0.698	94
14682 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	15.569	13	6	0	3.951	574.453	0.161	56.309	363k	425k	493k	36k	0.697	67
14683 Prod	LD2	7.937	6.538	8.39	1.332	-35.12	17.864	13	6	0	3.964	576.637	0.162	20.662	133k	156k	180k	11k	0.675	28

Q²=3.85, W=3.07, LD-, SHMS=6.385deg

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P_HMS	Theta_HMS	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw	Raw_S	Raw_C	SHMS_Hadron	Comments	
												(kHz)	(kHz)	(kHz)	(mC)	HMS	HMS	oin	EDTM	Tracking	
14684 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.164	14	5	0	1.179	705.411	0.064	16.977	233k	289k	216k	34k	0.74	35	
14685 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.386	14	5	0	1.172	702.127	0.064	0.822	11k	13k	10k	1k	0.702	Mode10	
14686 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.918	14	0	-1	1.215	727.402	0.068	18.093	3952k	288k	225k	37k	0.731	40	
14687 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.252	14	5	0	1.187	713.298	0.065	18.654	240k	299k	226k	35k	0.739	36	
14688 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.28	14	5	0	1.202	722.261	0.067	18.722	241k	300k	230k	35k	0.74	42	
14689 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.131	14	5	0	1.21	728.696	0.068	18.87	241k	301k	232k	36k	0.733	41	
14690 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.161	14	5	0	1.216	733.041	0.068	16.698	214k	268k	207k	32k	0.743	25	
14691 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.634	14	5	0	1.174	708.475	0.065	11.103	231k	290k	216k	39k	0.734	28	
14692 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.416	14	5	0	1.228	740.898	0.07	18.528	237k	296k	230k	33k	0.741	38	
14693 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.37	14	5	0	1.204	727.739	0.067	10.592	136k	170k	135k	25k	0.753	36	
14694 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.326	14	5	0	1.223	741.072	0.069	18.47	236k	296k	229k	34k	0.745	29	
14695 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	1.824	14	5	0	1.22	739.684	0.069	2.153	28k	34k	40k	18k	0.763	10	
14696 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	2.774	14	5	0	1.213	735.462	0.068	7.511	97k	120k	110k	32k	0.739	19	
14697 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	3.794	14	5	0	1.244	755.594	0.071	12.507	161k	202k	171k	35k	0.74	37	
14698 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	1.367	14	5	0	1.244	759.318	0.071	0.994	13k	16k	25k	14k	0.759	3	
14700 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.51	14	5	0	1.206	747.097	0.069	19.185	239k	307k	233k	34k	0.737	51	
14701 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.019	14	5	0	1.171	727.385	0.066	16.87	217k	280k	210k	34k	0.727	39	
14702 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.14	14	5	0	1.11	691.149	0.06	17.683	222k	286k	206k	34k	0.745	42	
14703 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.324	14	5	0	1.149	715.175	0.063	18.475	232k	299k	218k	34k	0.741	44	
14704 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.239	14	5	0	1.147	714.45	0.064	18.333	229k	296k	217k	35k	0.748	35	
14705 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.466	14	5	0	1.176	731.953	0.066	19.263	239k	308k	229k	34k	0.723	31	
14706 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.409	14	5	0	1.177	732.942	0.066	18.944	235k	304k	227k	34k	0.747	48	
14707 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.18	14	5	0	1.183	735.447	0.067	17.565	221k	285k	215k	34k	0.737	47	
14708 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.203	14	5	0	1.151	717.684	0.064	18.136	225k	291k	215k	34k	0.722	48	
14709 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.102	14	5	0	1.147	714.506	0.064	17.283	218k	282k	208k	34k	0.737	35	
14710 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.329	14	5	0	1.149	715.975	0.064	18.711	232k	300k	220k	34k	0.746	50	
14711 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	3.179	14	5	0	1.148	714.931	0.063	8.229	113k	145k	120k	32k	0.735	15	
14712 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.16	14	5	0	1.162	724.513	0.065	17.758	221k	286k	213k	34k	0.738	36	
14713 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.315	14	5	0	1.174	732.205	0.066	18.121	227k	293k	219k	34k	0.743	36	
14714 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.509	14	5	0	1.173	731.436	0.066	19.615	241k	312k	232k	35k	0.741	37	
14715 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.582	14	5	0	1.174	732.22	0.066	19.442	238k	308k	228k	34k	0.744	37	
14716 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.081	14	5	0	1.174	732.351	0.066	17.588	217k	281k	212k	34k	0.746	37	
14717 Prod	Dummy10cm	7.937	6.538	6.385	1.332	-35.12	28.497	14	5	0	0.736	705.884	0.044	85.343	128k	255k	130k	29k	0.707	11	
14719 Prod	Dummy10cm	7.937	6.538	6.385	1.332	-35.12	23.81	14	5	0	0.723	694.128	0.043	99.526	150k	297k	158k	41k	0.7	13	
14720 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.314	14	5	0	1.169	730.413	0.066	21.492	266k	345k	257k	40k	0.748	42	
14721 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.444	14	5	0	1.172	732.98	0.066	18.887	232k	301k	224k	34k	0.742	47	
14722 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.038	14	5	0	1.167	729.516	0.066	17.313	215k	278k	209k	35k	0.736	32	
14723 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.202	14	5	0	1.165	727.4	0.066	14.527	181k	233k	183k	36k	0.759	27 min trip in middle of run	
14724 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.351	14	5	0	1.151	720.226	0.064	18.523	228k	296k	217k	34k	0.747	37	
14725 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.943	14	5	0	1.143	715.065	0.063	17.841	219k	284k	211k	36k	0.744	37	
14726 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.556	14	5	0	1.141	713.697	0.063	15.495	194k	251k	189k	35k	0.737	36	
14727 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.104	14	5	0	1.134	710.148	0.063	17.626	217k	282k	206k	34k	0.747	37	
14728 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.483	14	5	0	1.13	707.318	0.062	14.699	182k	236k	177k	34k	0.749	30	
14729 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	3.178	14	5	0	1.128	706.629	0.062	9.748	124k	160k	132k	35k	0.747	11	
14730 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.008	14	5	0	1.127	706.515	0.062	17.2	212k	275k	201k	34k	0.749	38	
14731 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.2	14	5	0	1.13	708.061	0.062	17.858	220k	286k	208k	34k	0.747	41	
14732 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.21	14	5	0	1.122	703.347	0.062	18.363	225k	292k	212k	35k	0.74	32	
14733 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	4.505	14	5	0	1.121	702.976	0.062	15.123	189k	245k	183k	35k	0.751	34	
14734 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.196	14	5	0	1.12	701.945	0.061	18.17	223k	290k	209k	35k	0.74	37	
14735 Prod	LD2	7.937	6.538	6.385	1.332	-35.12	5.169	14	5	0	1.12	702.838	0.062	18.467	225k	293k	212k	35k	0.752	37	

Q²=6.00, W=2.40, LD-, SHMS=11.120deg

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P_HMS	Theta_HMS	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw	Raw_S	Raw_C	SHMS_Hadron	Comments	
												(kHz)	(kHz)	(kHz)	(mC)	HMS	HMS	oin	EDTM	Tracking	

14736 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	38.455	14	5	0	1.252	490.907	0.052	136.442	159k	128k	126k	35k	0.873	213
14737 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	57.756	13	5	0	1.293	506.681	0.054	206.981	240k	389k	175k	35k	0.866	296
14738 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	56.031	13	5	0	1.297	508.734	0.054	202.001	234k	380k	172k	35k	0.871	310
14739 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	50.316	13	5	0	1.271	498.197	0.053	179.024	208k	337k	155k	35k	0.859	236
14740 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	57.788	13	0	-1	1.279	501.936	0.054	171.345	3369k	322k	145k	29k	0.852	225
14741 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	60.609	13	5	0	1.294	507.88	0.055	243.599	282k	458k	205k	39k	0.87	358
14742 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	57.594	13	5	0	1.287	504.612	0.054	119.229	138k	224k	101k	20k	0.88	170
14743 Prod	Dummy10cm	7.937	5.512	11.12	2.14	-34.585	32.546	10	1	0	0.148	51.387	0.01	118.133	243k	327k	38k	36k	0.959	7
14744 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	34.411	13	5	0	1.248	489.021	0.052	122.972	143k	231k	118k	36k	0.868	184
14745 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	35.812	13	5	0	1.259	493.395	0.053	82.63	96k	155k	79k	23k	0.874	114
14746 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	49.522	13	5	0	1.311	515.114	0.055	177.786	206k	334k	157k	35k	0.869	261
14747 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	51.783	13	5	0	1.301	511.127	0.055	185.335	214k	349k	162k	35k	0.866	288
14748 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	60.913	13	5	0	1.303	512.469	0.055	216.99	251k	409k	183k	35k	0.87	308
14749 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	55.63	13	5	0	1.284	504.276	0.054	196.856	228k	371k	169k	35k	0.872	285
14750 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	60.408	13	5	0	1.295	508.954	0.055	215.939	249k	407k	182k	35k	0.875	323
14751 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	63.244	13	5	0	1.307	513.181	0.055	229.264	265k	432k	192k	35k	0.871	340
14752 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	60.867	13	5	0	1.305	512.986	0.055	226.734	262k	427k	191k	36k	0.869	311
14753 Prod	LD2	7.937	5.512	11.12	2.14	-34.585	56.675	13	5	0	1.3	510.4	0.055	191.024	221k	360k	163k	33k	0.878	280

Q²=6.00, W=2.40, LD-, SHMS=13.115deg

Run	Type	Target	EBeam	P_SHMS	Theta_ SHMS	P_HMS	Theta_ HMS	Current	PS1	PS4	PS5	HMS_Rate (kHz)	SHMS_Rate (kHz)	Coin_Rate (kHz)	Charge (mC)	Raw_HMS	Raw_S HMS	Raw_C oin	EDTM	SHMS_Hadron_ Tracking	Comments
14754 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	51.318	12	5	0	1.301	195.852	0.028	186.472	216k	269k	86k	36k	0.864	226	
14755 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	54.452	12	5	0	1.284	193.095	0.027	200.524	233k	290k	90k	37k	0.862	236	
14756 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	58.709	12	5	0	1.291	194.296	0.027	209.52	243k	303k	91k	35k	0.871	241	
14757 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	62.805	12	0	-1	1.305	196.371	0.028	224.992	4426k	325k	96k	35k	0.799	260	
14758 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	45.735	12	5	0	1.314	197.839	0.028	168.925	196k	244k	83k	37k	0.874	189	
14759 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	0.754	12	5	0	0	0	0	0	0.1k	0k	10k	10k	0junk		
14760 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	60.904	12	5	0	1.328	200.088	0.028	218.14	253k	316k	95k	35k	0.856	249	
14762 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	62.888	12	5	0	1.312	197.643	0.028	226.158	262k	328k	97k	36k	0.868	278	
14763 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	58.548	12	5	0	1.306	196.608	0.028	223.198	259k	323k	98k	38k	0.864	283	
14764 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	61.489	12	5	0	1.306	196.882	0.028	220.723	256k	320k	95k	36k	0.87	254	
14765 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	31.394	9	1	0	0.15	19.274	0.01	114.79	237k	235k	37k	37k	0.97	11	
14766 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	54.841	12	5	0	1.254	188.66	0.027	194.706	226k	282k	86k	35k	0.851	213 pions	
14767 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	61.503	12	5	0	1.303	196.127	0.028	218.553	254k	317k	94k	35k	0.864	278 events	
14768 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	60.551	12	5	0	1.307	197.07	0.028	218.386	253k	316k	95k	36k	0.864	268 pions	
14769 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	64.325	12	5	0	1.321	199.051	0.028	225.455	261k	327k	96k	35k	0.859	234 pions	
14770 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	51.469	12	5	0	1.307	196.859	0.028	183.233	213k	266k	85k	35k	0.871	198 pions	
14771 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	58.245	12	5	0	1.286	193.786	0.027	203.333	236k	295k	89k	35k	0.877	219	
14772 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	54.958	12	5	0	1.292	194.552	0.027	195.498	227k	283k	88k	35k	0.861	251	
14773 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	66.237	12	5	0	1.325	199.869	0.028	235.771	273k	342k	99k	35k	0.873	274	
14774 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	64.736	12	5	0	1.315	198.31	0.028	230.711	267k	334k	98k	35k	0.85	261	
14775 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	64.815	12	5	0	1.321	199.154	0.028	230.509	267k	334k	97k	35k	0.87	254	
14776 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	49.818	12	5	0	1.289	194.194	0.027	113.735	132k	165k	53k	23k	0.864	136	
14777 Prod	LD2	7.937	5.512	13.115	2.14	-34.585	28.236	12	5	0	1.335	199.125	0.028	9.632	11k	14k	6k	3k	0.841	8	

Run	Type	Target	EBeam	P_SHMS	Theta_ SHMS	P_HMS	Theta_ HMS	Current	PS1	PS4	PS5	HMS_Rate (kHz)	SHMS_Rate (kHz)	Coin_Rate (kHz)	Charge (mC)	Raw_HMS	Raw_S HMS	Raw_C oin	EDTM	SHMS_Hadron_ Tracking	Comments
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