

runlist\_pionLT\_2021\_Eb\_9p173

HMS AND SHMS SIEVE WITH DEFOCUS Q3

Run	Type	Target	EBeam	P_SHMS	Theta_SHMS	P_HMS	Theta_H MS	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
11799	Optics	LD2	9.158	-5.27	7.495	-5.89	12.505-		9	4	-1-	-	-	-	-	-	-	-	-	-	Defocused run
11801	Optics	LD2	9.158	-5.27	7.495	-5.89	12.505-		10	5	-1-	-	-	-	-	-	-	-	-	-	Defocused run
11802	Optics	LD2	9.158	-5.27	7.495	-5.89	12.505-		10	5	-1-	-	-	-	-	-	-	-	-	-	Defocused run

HEEP COIN

11829	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	42.536	1	0	0	0.096	4.176	0.014	32.177	60k	1277k	10k	8k	0.978	1.8k good coin
11830	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	39.574	1	0	0	0.098	4.348	0.014	48.622	91k	1946k	16k	12k	0.977	2.7k good coin
11831	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	18.491	1	0	0	0.081	3.429	0.013	28.543	62k	1133k	18k	16k	0.957	1.5k good coin
11833	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	17.642	1	0	0	0.041	1.403	0.011	33.021	73k	1251k	21k	19k	0.994	
11834	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	14.865	1	0	0	0.041	1.419	0.011	7.494	17k	284k	6k	5k	1	
11835	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	18.71	1	0	0	0.041	1.405	0.011	3.47	8k	131k	2k	2k	1	
11836	HeepCoin	Dummy10cm	9.203	5.015	23.79	5.015	-23.75	30.211	1	0	0	0.031	1.013	0.01	9.187	8k	125k	3k	3k	0.983	
11838	HeepCoin	Dummy10cm	9.203	5.015	23.79	5.015	-23.75	36.882	1	0	0	0.03	0.987	0.01	20.413	17k	276k	6k	6k	0.993	
11839	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	28.3	1	0	0	0.059	2.242	0.012	6.494	18k	349k	4k	3k	1	
11840	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	21.146	1	0	0	0.077	3.156	0.013	15.368	33k	605k	8k	7k	0.965	
11841	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	49.819	1	0	0	0.095	4.141	0.014	32.61	65k	1417k	10k	7k	0.959	
11842	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	22.313	1	0	0	0.08	3.371	0.013	18.386	38k	728k	10k	8k	0.976	
11843	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	49.653	1	0	0	0.096	4.167	0.014	33.951	62k	1346k	9k	7k	0.969	
11844	HeepCoin	LH2	9.203	5.015	23.79	5.015	-23.75	33.856	1	0	0	0.082	3.463	0.013	36.502	70k	1435k	13k	11k	0.953	
11847	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	31.041	2	0	0	0.019	7.37	0.011	27.225	14k	1412k	9k	9k	0.929	250 good coin
11848	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	62.148	2	0	0	0.022	10.131	0.011	10.947	9k	1409k	4k	4k	0.906	250 good coin
11849	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	60.013	3	0	0	0.022	9.854	0.011	45.324	16k	1450k	8k	8k	0.929	400 good coin
11850	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	35.021	3	0	0	0.021	9.168	0.011	33.905	14k	1086k	8k	8k	0.942	300 good coin
11859	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	64.388	2	0	0	0.023	10.327	0.011	21.25	7k	1101k	3k	3k	0.944	200 good coin
11860	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	41.887	3	0	0	0.02	8.479	0.011	47.378	20k	1512k	12k	11k	0.922	450 good coin
11861	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	42.455	3	0	0	0.022	10.172	0.011	27.893	12k	899k	7k	7k	0.943	250 good coin
11863	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	35.096	3	0	0	0.019	7.268	0.011	12.965	6k	405k	4k	4k	0.969	100 potential coin s1y issues
11864	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	35.087	3	0	0	0.02	8.606	0.011	25.761	12k	824k	8k	7k	0.944	s1y odd
11865	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	57.823	3	0	0	0.022	10.062	0.011	30.374	11k	984k	6k	5k	0.982	300 good coin
11866	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	66.656	3	0	0	0.023	10.785	0.011	6.311	6k	558k	3k	3k	0.932	150 good coin
11867	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	55.25	3	0	0	0.022	10.023	0.011	55.72	21k	1806k	11k	10k	0.939	450 good coin
11868	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	66.586	3	0	0	0.023	10.806	0.011	48.922	17k	1598k	8k	7k	0.954	450 good coin
11870	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	63.206	3	0	0	0.022	10.583	0.011	65.535	23k	2129k	11k	10k	0.938	550 good coin
11871	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	55.892	3	0	0	0.022	10.146	0.011	52.989	21k	1824k	11k	10k	0.945	500 good coin
11872	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	53.477	3	0	0	0.022	10.173	0.011	57.387	22k	1855k	11k	11k	0.946	500 good coin
11873	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	50.115	3	0	0	0.022	9.642	0.011	49.776	19k	1600k	10k	10k	0.906	400 good coin
11874	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	42.687	3	0	0	0.022	9.643	0.011	48.051	20k	1545k	12k	11k	0.917	450 good coin
11875	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	50.28	8	0	0	0.022	10.356	0.011	89.353	35k	131k	19k	18k	0.905	800 good coin
11876	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	45.827	8	0	0	0.022	9.943	0.011	83.833	35k	124k	19k	18k	1	750 good coin
11877	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	57.993	8	0	0	0.022	10.337	0.011	108.775	40k	156k	20k	19k	0.867	950 good coin
11878	HeepCoin	LH2	9.203	6.265	18.125	3.738	-31.645	54.406	8	0	0	0.022	10.045	0.011	119.108	45k	172k	23k	22k	0.929	1050 good coin
11879	HeepCoin	Dummy10cm	9.203	6.265	18.125	3.738	-31.645	33.002	8	0	0	0.014	1.674	0.01	66.748	27k	44k	20k	20k	0.875	25 good coin
11880	HeepCoin	LH2	9.203	5.015	23.8	5.015	-23.75	58.857	6	0	0	0.116	5.323	0.014	105.435	186k	282k	25k	18k	0.989	5800 Good Coin
11881	HeepCoin	LH2	9.203	5.015	23.8	5.015	-23.75	53.939	6	0	0	0.114	5.179	0.014	107.667	193k	289k	27k	20k	0.936	6200 good coin
11882	HeepCoin	Dummy10cm	9.203	5.015	23.8	5.015	-23.75	24.917	6	0	0	0.027	0.869	0.01	23.579	22k	29k	10k	10k	1	70 good coin

Q²=1.60, W=3.08, LH+, SHMS=10.265deg

Run	Type	Target	EBeam	P_SHMS	Theta_SHMS	P_HMS	Theta_H MS	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
11883	Prod	LH2	9.203	5.422	10.26	3.738	-12.4	53.703	12	11	0	85.13	262.821	1.737	99.602	2795k	2879k	2654k	18k	0.465	11562
11884	Prod	LH2	9.203	5.422	10.26	3.738	-12.4	64.559	12	11	0	88.14	270.801	1.814	100.756	2864k	2948k	2721k	15k	0.462	11625
11885	Prod	LH2	9.203	5.422	10.26	3.738	-12.4	59.937	12	11	0	86.83	265.645	1.78	99.795	2844k	2927k	2701k	16k	0.468	11675
11886	Prod	LH2	9.203	5.422	10.26	3.738	-12.4	51.669	12	11	0	87.821	268.21	1.808	76.744	2195k	2259k	2086k	15k	0.459	8806
11887	Prod	LH2	9.203	5.422	10.26	3.738	-12.4	0.54	12	11	0	0	0	0	0	0k	0k	0k	0k	0	JUNK!
11888	Prod	LH2	9.203	5.422	10.26	3.738	-12.4	67.391	12	11	0	89.255	272.632	1.833	8.628	212k	218k	201k	1k	0.767	306

11889 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	42.276	12	11	0	80.718	245.411	1.614	44.192 1232k	1268k	1169k	10k	0.767	8035
11890 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	58.843	12	11	0	84.663	257.308	1.702	33.826 949k	977k	901k	6k	0.765	6186
11891 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	54.749	12	11	0	86.765	263.455	1.752	40.474 1141k	1174k	1083k	7k	0.767	7153
11892 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	59.846	12	11	0	86.406	262.031	1.75	45.262 1280k	1317k	1215k	7k	0.763	7879
11893 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	57.14	12	11	0	84.955	257.108	1.708	49.345 1392k	1432k	1321k	9k	0.759	8726
11894 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	26.012	12	11	0	66.99	200.358	1.235	16.422 430k	443k	406k	6k	0.79	3205
11895 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	7.669	12	11	0	42.217	121.99	0.56	0.878 18k	19k	17k	1k	0.865 202 - JUNK?	
11896 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	63.431	12	11	0	84.64	255.087	1.666	17.199 476k	490k	452k	3k	0.773	3223
11897 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	67.005	12	11	0	89.38	270.222	1.828	48.442 1389k	1428k	1319k	7k	0.755	8460
11898 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	51.935	12	11	0	81.855	246.373	1.623	49.895 1390k	1430k	1318k	9k	0.763	9032
11899 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	53.726	12	11	0	87.042	262.414	1.765	26.881 766k	788k	728k	5k	0.762	4775
11900 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	18.226	12	11	0	88.4	266.902	1.822	2.849 83k	85k	79k	2k	0.74	482
11901 Prod	LH2	9.203	5.422	10.26	3.738	-12.4	61.096	12	11	0	87.561	263.842	1.777	34.201 975k	1003k	926k	6k	0.758	6604
11902 Prod	Dummy10cm	9.203	5.422	10.26	3.738	-12.4	38.192	12	11	0	18.053	36.193	0.083	26.697 71k	71k	58k	7k	0.992	
11904 Prod	Dummy10cm	9.203	5.422	10.26	3.738	-12.4	38.22	10	9	0	18.077	36.278	0.083	50.376 203k	205k	109k	13k	0.991 2k epi	

**Q<sup>2</sup>=1.60, W=3.08, LD+, SHMS=10.265deg**

11910 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	66.644	12	11	2	188.714	517.8	6.88	36.754 1371k	1427k	1252k	5k	0.546	1000
11911 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	48.829	12	11	2	181.535	496.879	6.534	37.872 1391k	1448k	1269k	8k	0.556	1000
11914 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	66.88	12	11	4	189.789	519.241	6.985	8.544 128k	141k	100k	1k	0.55 90 (not good)	
11916 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	66.686	12	11	2	189.539	518.309	6.902	38.446 1424k	1481k	1300k	6k	0.538	1000
11918 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	38.553	12	11	2	183.392	499.048	6.6	38.636 1437k	1494k	1311k	10k	0.555	
11919 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	56.197	12	11	2	180.903	492.03	6.55	37.348 1410k	1466k	1287k	7k	0.55	
11920 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	53.622	12	11	2	182.445	495.629	6.616	39.424 1464k	1523k	1337k	7k	0.548	
11922 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	43.329	12	11	2	186.865	507.092	6.838	37.032 1400k	1455k	1279k	8k	0.544	
11928 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	24.29	12	11	0	82.858	211.744	1.358	81.946 4207k	4296k	3952k	100k	0.903 16k ?	
11933 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	26.09	12	11	0	83.361	212.598	1.365	92.436 4743k	4843k	4455k	105k	0.903 15k	
11934 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	25.282	12	11	0	78.168	201.695	1.238	51.361 2516k	2572k	2359k	60k	0.909 7k	
11938 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	25.482	12	11	0	97.319	246.876	4.7	2.135 215k	216k	211k	152k	0.865	
11941 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	32.511	12	11	0	99.366	252.311	4.746	29.693 3554k	3581k	3482k	2246k	0.879	4000
11942 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	33.567	12	11	0	100.937	255.725	4.785	32.835 3909k	3939k	3828k	2423k	0.875	5000
11943 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	30.888	12	11	0	96.613	248.528	1.797	84.341 4836k	4932k	4572k	27k	0.875 19k	
11944 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	33.502	12	11	0	98.163	252.319	1.834	9.844 552k	563k	522k	3k	0.876	2000

**Q<sup>2</sup>=1.60, W=3.08, LD+, SHMS=8.265deg**

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_	Theta_H	HMS_Rate_	SHMS_Rate_	Coil_Rate_	Charge_	Raw_	Raw_	Raw_	SHMS	Raw_C	EDTM	SHMS_Hadron_	Comments
						P_HMS	MS	(kHz)	(kHz)	(kHz)	(mC)	HMS	SHMS	oin	oin			Tracking	
11947 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.929	13	10	0	64.49	391.704	1.825	32.316 2870k	2882k	2682k	14k	0.812	10800
11948 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.893	13	10	0	64.454	391.605	1.825	3.226 218k	219k	203k	1k	0.81	850
11949 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.673	13	10	0	64.426	391.514	1.825	31.688 2815k	2827k	2631k	14k	0.812 10851 pi-n	
11950 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	19.703	13	10	0	64.077	389.838	1.811	29.679 2639k	2650k	2466k	15k	0.813 10154 pi-n	
11951 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.799	13	10	0	64.406	391.03	1.824	31.851 2846k	2858k	2660k	14k	0.816 10k	
11952 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	19.925	13	10	0	63.991	388.497	1.805	32.239 2864k	2876k	2676k	16k	0.816 11k	
11953 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.832	13	10	0	64.561	391.362	1.828	32.01 2863k	2875k	2676k	14k	0.813 11k	
11955 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.378	13	10	0	64.29	389.557	1.814	39.521 3538k	3552k	3305k	18k	0.812 14k	
11958 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.668	13	10	0	64.484	389.488	1.817	2.266 190k	190k	177k	1k	0.82	700
11959 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	19.749	13	10	0	63.887	386.655	1.8	26.252 2355k	2364k	2200k	13k	0.817 9k good coins	
11960 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.724	13	10	0	64.717	390.898	1.829	32.069 2884k	2896k	2695k	14k	0.816 11057 good	
11961 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	18.19	13	10	0	64.126	386.623	1.801	32.629 2917k	2928k	2725k	18k	0.817	11439
11962 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	19.716	13	10	0	64.21	387.018	1.808	32.232 2897k	2908k	2706k	16k	0.815 11215 good	
11963 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	16.411	13	10	0	64.18	386.704	1.802	24.762 2216k	2224k	2070k	15k	0.816 8576 good	
11965 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	20.436	13	10	0	64.031	387.788	1.803	33.542 2998k	3010k	2801k	16k	0.817 12k	
11966 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	20.756	13	10	0	64.095	387.889	1.801	33.549 2996k	3008k	2798k	16k	0.818 12k	
11967 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	19.422	13	10	0	64.063	387.508	1.804	32.184 2883k	2895k	2693k	16k	0.819 11k	
11968 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	21.119	13	10	0	64.33	388.431	1.811	32.012 2872k	2884k	2684k	15k	0.816	10984

**Q<sup>2</sup>=1.60, W=3.08, LH+, SHMS=8.265deg**

11969 Prod	Dummy10cm	9.203	5.422	8.265	3.738	-12.4	25.636	13	10	0	17.545	77.507	0.137	4.558 22k	21k	18k	2k	0.969	
11970 Prod	Dummy10cm	9.203	5.422	8.265	3.738	-12.4	31.686	11	9	0	17.569	77.659	0.137	57.593 330k	348k	220k	18k	0.978	
11971 Prod	LH2	9.203	5.422	8.265	3.738	-12.4	40.608	13	10	0	56.516	385.733	1.642	19.963 862k	871k	807k	5k	0.983	10418
11972 Prod	LH2	9.203	5.422	8.265	3.738	-12.4	27.873	13	10	0	42.35	283.478	0.929	82.905 2773k	2790k	2544k	29k	0.987	45691

11973 Prod	LH2	9.203	5.422	8.265	3.738	-12.4	21.035	13	10	0	39.162	261.211	0.839	3.341	110k	111k	101k	2k	0.847	1423	fadc run	
11974 Prod	LH2	9.203	5.422	8.265	3.738	-12.4	27.391	13	10	0	41.982	280.509	0.918	84.262	2812k	2829k	2579k	30k	0.986			45947
11975 Prod	LH2	9.203	5.422	8.265	3.738	-12.4	29.96	13	10	0	42.682	285.04	0.939	83.85	2811k	2828k	2580k	28k	0.987			46010
11976 Prod	LH2	9.203	5.422	8.265	3.738	-12.4	29.931	13	10	0	42.697	284.9	0.939	83.884	2815k	2832k	2583k	28k	0.985			46005
11977 Prod	LD2	9.203	5.422	8.265	3.738	-12.4	26.776	13	10	0	42.674	284.547	0.935	31.432	86k	72k	965k	12k	0.984			18046

**Q<sup>2</sup>=1.60, W=3.08, LH+, SHMS=6.255deg**

11978 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	13.644	13	9	0	20.05	308.257	0.467	44.069	1701k	1759k	1458k	32k	0.835			15461
11979 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	14.214	13	9	0	20.141	309.947	0.47	2.083	80k	83k	69k	1k	0.837			741
11980 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	12.944	13	9	0	20.018	307.813	0.465	46.598	1793k	1855k	1537k	36k	0.837			16223
11981 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	10.095	13	9	0	20.025	308.028	0.467	16.166	628k	649k	539k	16k	0.835			5642
11982 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	6.748	13	9	0	19.052	293.459	0.436	20.637	799k	826k	686k	32k	0.84			7701
11983 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	13.848	13	9	0	19.922	307.291	0.465	9.251	357k	369k	306k	7k	0.835	TEST	3366 good events NO CERMODE10	
11984 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	12.218	13	9	0	19.409	299.353	0.448	12.507	479k	495k	410k	10k	0.842			4651
11985 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	10.615	13	9	0	19.581	302.18	0.45	38.643	1479k	1530k	1267k	36k	0.839			14078
11986 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	6.544	13	9	0	19.862	306.816	0.461	9.122	356k	368k	307k	15k	0.84			3352
11987 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	13.075	13	9	0	19.743	304.521	0.456	45.327	1731k	1791k	1483k	34k	0.837			16638
11989 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	11.364	13	9	0	19.109	294.662	0.438	24.015	914k	945k	782k	21k	0.839			8834
11990 Prod	LH2	9.203	5.422	6.255	3.738	-12.4	13.158	13	9	0	19.36	298.841	0.441	32.937	1241k	1283k	1060k	25k	0.843			12267
11991 Prod	Dummy10cm	9.203	5.422	6.255	3.738	-12.4	30.866	12	9	0	17.78	204.446	0.284	84.069	815k	914k	655k	27k	0.887			2177

**Q<sup>2</sup>=1.60, W=3.08, LD+, SHMS=6.255deg**

11992 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.964	13	9	0	28.148	397.882	0.804	31.2	3046k	3128k	2683k	34k	0.833			10500
11993 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.545	13	9	0	28.151	397.915	0.804	20.271	1985k	2038k	1748k	23k	0.837			6900
11994 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.355	13	9	0	28.134	397.561	0.805	1.659	162k	166k	143k	2k	0.838			595
11995 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.689	13	9	0	28.278	399.474	0.81	22.408	2198k	2257k	1937k	25k	0.837			7600
11996 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.457	13	9	0	28.34	400.017	0.813	22.83	2242k	2301k	1976k	27k	0.837			7634
11997 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.922	13	9	0	28.267	398.735	0.81	28.968	2846k	2921k	2507k	32k	0.836			9469
11998 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.243	13	9	0	28.386	399.599	0.813	33.235	3267k	3352k	2878k	35k	0.834			11102
11999 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.348	13	9	0	28.3	398.159	0.809	18.534	1821k	1869k	1604k	19k	0.837			6261
12000 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	6.126	13	9	0	28.395	399.015	0.813	8.722	865k	887k	763k	15k	0.833			2925
12001 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.274	13	9	0	28.439	399.669	0.814	24.052	2367k	2430k	2085k	25k	0.835			8091
12002 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.329	13	9	0	28.494	400.143	0.817	24.578	2423k	2486k	2135k	26k	0.832			8250
12003 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.35	13	9	0	28.503	400.127	0.817	15.03	1483k	1522k	1307k	16k	0.834			5019
12017 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	6.968	13	9	0	28.065	397.189	0.802	4.732	452k	464k	398k	7k	0.986			1907
12018 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.483	13	9	0	28.003	402.025	0.808	17.523	1686k	1734k	1487k	20k	0.986			7011
12019 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.045	13	9	0	27.58	390.611	0.775	19.458	1830k	1879k	1609k	21k	0.985			7917
12020 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	5.669	13	9	0	27.277	386.531	0.76	5.524	521k	535k	458k	10k	0.986			2197
12020 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	5.669	13	9	0	27.277	386.531	0.76	5.524	521k	535k	458k	10k	0.986			2197
12021 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.272	13	9	0	27.26	386.119	0.756	8.684	807k	829k	708k	9k	0.987			3726

**Q<sup>2</sup>=1.60, W=3.08, LD-, SHMS=6.260deg**

Run	Type	Target	EBeam	P_SHMS	Theta_SHMS	Theta_H	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron	Tracking	Comments
12022 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	6.648	13	9	0	23.601	805.877	1.318	2.625	562k	630k	522k	5k	0.947	physics	1292 good events this was more of a test run for the rates but physics is
12026 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.37	14	9	0	27.977	950.565	1.82	9.15	1833k	1905k	1733k	21k	0.931		3249
12027 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.539	14	9	0	28.067	953.463	1.82	16.079	3217k	3345k	3041k	18k	0.932		5767
12028 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.457	14	9	0	28.081	952.904	1.82	15.21	3046k	3168k	2880k	15k	0.93		5385
12029 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.509	14	9	0	28.108	953.546	1.825	14.115	2835k	2948k	2681k	14k	0.931		5047
12030 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.501	14	9	0	28.195	955.917	1.833	9.433	1891k	1966k	1788k	9k	0.931		3350
12031 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.555	14	9	0	28.036	950.745	1.814	1.27	249k	259k	235k	1k	0.936	420 pions FADC mode	
12032 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.462	14	9	0	28.153	954.568	1.829	9.57	1924k	2000k	1819k	10k	0.933		3435
12034 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.543	14	9	0	28.145	954.03	1.826	4.988	996k	1036k	942k	6k	0.929		1781
12035 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.634	14	9	0	27.544	937.22	1.76	22.083	249k	266k	4094k	25k	0.913		5739
12036 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	8.904	14	9	0	27.647	939.961	1.771	21.319	240k	256k	3958k	23k	0.913		5524
12037 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	9.55	14	9	0	27.668	940.443	1.769	10.554	119k	127k	1955k	11k	0.911		2723
12038 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	7.438	14	9	0	22.206	760.541	1.157	8.263	94k	101k	1255k	11k	0.922		2201
12039 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	7.516	14	9	0	22.242	761.589	1.16	5.281	60k	64k	802k	7k	0.923		1397
12040 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	7.108	14	9	0	22.201	758.608	1.156	17.586	200k	214k	2678k	24k	0.923		4681

12041 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	6.904	14	9	0	22.265	761.16	1.161	13.442	153k	164k	2053k	19k	0.922	3617
12042 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	7.172	14	9	0	22.292	761.796	1.163	11.406	130k	139k	1739k	15k	0.921	3093
12043 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	7.285	14	9	0	22.277	760.637	1.161	10.821	123k	132k	1651k	14k	0.92	2901
12044 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	7.256	14	9	0	22.349	762.376	1.167	10.263	117k	125k	1572k	14k	0.92	2805
12045 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	6.892	14	9	0	22.326	761.136	1.163	9.183	105k	112k	1402k	13k	0.922	2422
12046 Prod	LD2	9.203	5.422	6.255	3.738	-12.4	7.683	14	9	0	22.431	765.69	1.176	1.937	22k	24k	296k	2k	0.923	514
12048 Prod	Dummy10cm	9.203	5.422	6.255	3.738	-12.4	27.003	14	9	0	13.54	509.326	0.484	50.231	92k	108k	842k	18k	0.905	852
12049 Prod	Dummy10cm	9.203	5.422	6.255	3.738	-12.4	26.337	14	9	0	13.394	504.088	0.477	33.048	60k	71k	553k	12k	0.904	603

**Q²=1.60, W=3.08, LD-, SHMS=8.255deg**

12052 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	14.327	13	10	0	41.862	452.558	1.331	25.782	145k	197k	2371k	18k	0.946	9182
12053 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	13.04	13	10	0	41.126	444.166	1.299	2.024	11k	15k	185k	1k	0.945	748
12054 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	12.727	13	10	0	41.651	449.943	1.321	13.621	77k	104k	1251k	11k	0.947	4759
12055 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	12.589	13	10	0	41.237	445.122	1.298	16.365	92k	125k	1492k	13k	0.947	5888
12056 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	14.038	13	10	0	41.756	450.236	1.325	27.788	157k	212k	2552k	19k	0.947	9837
12057 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	14.206	13	10	0	41.983	452.223	1.333	28.977	164k	221k	2670k	20k	0.951	12606
12058 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	11.738	13	10	0	41.825	450.565	1.328	15.412	87k	118k	1423k	13k	0.947	5491
12062 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	10.692	13	10	0	40.766	444.03	1.283	30.365	170k	232k	2751k	28k	0.951	13119
12063 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	1.937	13	10	0	40.999	446.553	1.285	1.115	6k	9k	107k	8k	0.953	481
12064 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	12.067	13	10	0	40.935	446.062	1.29	23.883	134k	182k	2162k	20k	0.95	10342
12065 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	12.319	13	10	0	41.071	443.306	1.293	12.183	69k	93k	1109k	10k	0.952	5327
12066 Prod	LD2	9.203	5.422	8.255	3.738	-12.4	13.248	13	10	0	41.645	449.185	1.318	28.465	161k	217k	2611k	21k	0.95	12230
12067 Prod	Dummy10cm	9.203	5.422	8.255	3.738	-12.4	29.814	13	10	0	15.451	176.377	0.214	61.715	57k	81k	405k	21k	0.954	1516

**Q²=1.60, W=3.08, LD-, SHMS=10.260deg**

12068 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	25.618	12	11	0	81.446	314.479	1.834	39.679	111k	215k	2567k	15k	0.952	10432
12071 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	27.615	12	11	0	82.737	319.06	1.871	40.95	115k	222k	2666k	15k	0.952	10593
12072 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	26.321	12	11	0	83.149	320.195	1.885	45.092	127k	244k	2949k	17k	0.951	11713
12073 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	26.57	12	11	0	82.09	315.795	1.853	42.891	121k	233k	2799k	16k	0.951	11157
12075 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	21.272	12	11	0	80.722	309.687	1.809	40.886	116k	222k	2658k	19k	0.952	10598
12076 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	29.165	12	11	0	84.354	323.188	1.917	34.82	98k	188k	2289k	12k	0.951	8853
12077 Prod	LD2	9.203	5.422	10.26	3.738	-12.4	28.021	12	11	0	83.977	321.115	1.905	40.696	115k	220k	2679k	14k	0.951	10390
12078 Prod	Dummy10cm	9.203	5.422	10.26	3.738	-12.4	31.501	12	11	0	17.684	71.217	0.113	28.578	13k	27k	88k	9k	0.965	494

**HEEP SINGLES**

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_	Theta_H	P_HMS	MS	Current	PS1	PS4	PS5	HMS_Rate_	SHMS_Rate_	Coin_Rate_	Charge_Raw_	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_	Tracking	Comments
12079	HeePSing	LH2	9.173	8.444	10.26	5.9	-19.88	58.103	0	11	0	0	0.296	118.158	118.158	3.622	0k	-7366k	-7366k	1k			0.992	JUNK
12080	HeePSing	LH2	9.173	8.444	10.26	5.9	-19.88	52.537	8	0	-1	0	0.289	115.923	115.923	44.679	226k	702k	702k	9k			0.987	
12081	HeePSing	Dummy10cm	9.203	8.444	10.26	5.9	-19.88	39.018	8	0	0	0	0.07	26.801	26.801	17.423	31k	93k	93k	4k			0.995	
12082	HeePSing	LH2	9.173	8.035	7.065	5.9	-19.88	0	8	0	-1	0	0	0	0	0k	0k	0k	0k	0k			0	JUNK
12083	HeePSing	LH2	9.173	8.035	7.065	5.9	-19.88	13.669	10	0	-1	0	0.082	366.402	366.402	38.444	219k	1902k	1902k	28k			0.655	
12084	HeePSing	LH2	9.173	8.035	7.065	5.9	-19.88	14.502	10	0	-1	0	0.082	368.426	368.426	5.53	31k	274k	274k	4k			0.988	
12085	HeePSing	Dummy10cm	9.203	8.035	7.065	5.9	-19.88	38.888	10	0	-1	0	0.07	358.503	358.503	16.503	30k	297k	297k	4k			0.988	
12086	HeePSing	LH2	9.173	7.931	10.26	5.9	-19.88	46.992	10	0	-1	0	0.29	140.733	140.733	41.891	212k	199k	199k	9k			0.989	
12087	HeePSing	LH2	9.173	7.931	10.26	5.9	-19.88	44.992	8	0	-1	0	0.288	139.035	139.035	18.334	94k	348k	348k	4k			0.989	
12088	HeePSing	Dummy10cm	9.203	7.931	10.26	5.9	-19.88	38.743	6	0	-1	0	0.07	33.202	33.202	18.029	32k	468k	468k	5k			0.996	
12090	HeePSing	LH2	9.173	7.296	10.26	5.202	-23.53	46.491	8	0	-1	0	0.07	156.908	156.908	68.159	91k	1563k	1563k	15k			0.991	
12091	HeePSing	Dummy10cm	9.203	7.296	10.26	5.202	-23.53	38.908	6	0	-1	0	0.025	40.939	40.939	3.483	10k	474k	474k	4k			0.997	
12092	HeePSing	LH2	9.173	6.719	10.26	5.202	-23.53	51.207	9	0	-1	0	0.07	175.75	175.75	144.847	192k	1882k	1882k	28k			0.992	
12093	HeePSing	Dummy10cm	9.203	6.719	10.26	5.202	-23.53	38.765	7	0	-1	0	0.026	47.039	47.039	14.806	10k	276k	276k	4k			0.997	
12094	HeePSing	LH2	9.173	6.719	11.73	5.202	-23.53	42.28	7	0	-1	0	0.082	89.766	89.766	77.573	106k	1677k	1677k	18k			0.993	
12095	HeePSing	Dummy10cm	9.203	6.719	11.73	5.202	-23.53	15.196	7	0	-1	0	0.025	18.32	18.32	10.922	12k	83k	83k	7k			0.998	
12097	HeePSing	Dummy10cm	9.203	6.719	11.73	5.202	-23.53	16.393	4	0	-1	0	0.026	18.911	18.911	12.54	13k	690k	690k	8k			0.998	
12098	HeePSing	LH2	9.203	6.719	13.12	5.202	-23.53	0.535	6	0	-1	0	0	0	0	0k	0k	0k	0k	8k			0	JUNK
12099	HeePSing	LH2	9.173	6.719	13.12	5.202	-23.53	54.165	6	0	-1	0	0.081	40.132	40.132	56.924	74k	1093k	1093k	10k			0.995	
12100	HeePSing	Dummy10cm	9.203	6.719	13.12	5.202	-23.53	31.355	4	0	-1	0	0.025	8.204	8.204	14.451	10k	344k	344k	5k			0.998	
12101	HeePSing	Dummy10cm	9.203	6.719	11.735	5.202	-23.53	35.131	4	0	-1	0	0.025	18.8	18.8	12.268	8k	671k	671k	3k			0.998	
12102	HeePSing	LH2	9.173	6.719	15.725	5.202	-23.53	52.736	4	0	-1	0	0.082	9.188	9.188	80.839	106k	1286k	1286k	15k			0.996	
12103	HeePSing	Dummy10cm	9.203	6.719	15.725	5.202	-23.53	37.397	0	0	-1	0	0.025	1.754	1.754	11.855	8k	533k	533k	3k			0.997	
12106	HeePSing	LH2	9.173	6.719	16.55	5.202	-23.53	56.892	3	0	-1	0	0.081	5.724	5.724	57.253	83k	1162k	1162k	11k			0.996	

12108	HeePSing	Dummy10cm	9.203	6.719	16.55	5.202	-23.53	38.665	0	0	-1	0.026	1.083	1.083	14.319 9k	397k	397k	4k	0.997
12109	HeePSing	Dummy10cm	9.203	6.719	17.79	4.707	-25.02	38.955	0	0	-1	0.028	0.54	0.54	14.884 11k	206k	206k	4k	0.996
12110	HeePSing	Dummy10cm	9.203	6.719	17.79	4.707	-25.02	33.219	0	0	-1	0.028	0.531	0.531	9.96 8k	138k	138k	3k	0.997
12111	HeePSing	LH2	9.173	6.719	17.79	4.707	-25.02	64.81	2	0	-1	0.1	3.101	3.101	40.823 63k	650k	650k	7k	0.995
12115	HeePSing	LH2	9.173	6.265	12.845	4.707	-25.02	64.724	7	0	-1	0.1	59.122	59.122	164.807 244k	2209k	2209k	25k	0.995
12116	HeePSing	Dummy10cm	9.203	6.265	12.845	4.707	-25.02	38.102	5	0	0	0.028	11.814	11.814	12.765 9k	228k	228k	3k	0.998
12117	HeePSing	Dummy10cm	9.203	6.265	15.3	4.707	-25.02	30.318	2	0	-1	0.028	2.971	2.971	28.523 22k	733k	733k	9k	0.998
12118	HeePSing	LH2	9.173	6.265	15.3	4.707	-25.02	27.263	5	0	-1	0.09	14.11	14.11	23.975 41k	332k	332k	9k	0.997
12119	HeePSing	LH2	9.173	6.265	15.3	4.707	-25.02	60.645	5	0	-1	0.1	15.902	15.902	70.199 105k	971k	971k	12k	0.997
12120	HeePSing	LH2	9.173	6.265	17.8	4.707	-25.02	50.88	3	0	-1	0.095	3.997	3.997	65.967 101k	828k	828k	13k	0.997
12121	HeePSing	LH2	9.203	6.265	17.8	4.707	-25.02	39.241	0	0	-1	0.028	0.764	0.764	14.123 10k	275k	275k	4k	0.997
12122	HeePSing	Dummy10cm	9.203	6.265	18.65	4.707	-25.02	33.431	0	0	-1	0.028	0.484	0.484	11.115 8k	139k	139k	3k	0.998
12123	HeePSing	LH2	9.173	6.265	18.65	4.707	-25.02	60.181	2	0	-1	0.099	2.752	2.752	60.707 90k	828k	828k	10k	0.996
12124	HeePSing	LH2	9.173	6.265	19.795	4.707	-25.02	54.9	1	0	-1	0.098	1.576	1.576	105.577 159k	1258k	1258k	19k	0.996
12125	HeePSing	Dummy10cm	9.203	6.265	19.795	4.707	-25.02	39.216	0	0	-1	0.028	0.284	0.284	14.346 10k	104k	104k	4k	0.998

### LUMINOSITY SCAN #1

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P	Theta_H	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_HMS	Raw_Coin	Raw_C	SHMS_Hadron_ Tracking	Comments
12126	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	69.165	11	7	-1	82.092	1094.459	1094.459	40.687 740k	626k	626k	7k	0.902 70uA	
12128	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	54.198	11	7	-1	64.976	883.492	883.492	33.107 611k	527k	527k	7k	0.925 55uA	
12129	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	37.793	10	7	-1	47.026	651.633	651.633	23.033 429k	753k	753k	8k	0.932 40uA	
12130	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	24.382	10	6	-1	29.64	421.044	421.044	14.621 539k	492k	492k	7k	0.959 25uA	
12131	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	11.602	10	6	-1	14.428	206.685	206.685	6.983 263k	242k	242k	7k	0.967 12uA	
12132	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	13.936	10	6	-1	21.383	305.936	305.936	10.148 380k	348k	348k	8k	0.963 Beam Current: 14 (13.936 actual)	
12133	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	7.685	10	6	-1	9.742	138.953	138.953	4.611 177k	163k	163k	6k	0.963 8uA	
12135	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	4.764	8	4	-1	6.211	91.953	91.953	0.411k	419k	419k	7k	0.973 Beam Current: 5uA (4.765 actual)	
12137	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	2.831	7	3	-1	0	0	0	0.477k	536k	536k	7k	0.976 Beam Current: 3uA (2.831 actual)	
12140	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	11.608	9	5	-1	14.335	207.625	207.625	7.735 562k	538k	538k	7k	0.972 12uA	
12141	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	43.889	11	7	-1	79.49	1061.108	1061.108	25.799 477k	402k	402k	7k	0.898 70uA	
12142	Lumi	LH2	9.203	5.27	7.505	4.1	-12.505	68.077	11	7	-1	81.6	1087.852	1087.852	26.16 479k	405k	405k	4k	0.888 70uA	
12143	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	68.325	11	7	-1	16.167	221.092	0.951	3.878 14k	-12550k	-54k	1k	0.964 JUNK	
12144	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	56.285	9	5	-1	15.129	212.313	212.313	84.323 1146k	1062k	1062k	16k	0.956 Beam Current: 55uA (56.29 actual)	
12145	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	44.701	9	5	-1	12.088	169.847	169.847	65.982 898k	833k	833k	16k	0.966 55uA	
12147	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	38.994	8	4	-1	9.003	127.582	127.582	49.43 1268k	1254k	1254k	13k	0.958 40uA	
12148	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	24.36	7	3	-1	5.609	80.032	80.032	29.74 1367k	1500k	1500k	13k	0.961 25uA	
12150	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	17.411	7	3	-1	4.047	57.632	57.632	21.689 1008k	1105k	1105k	13k	0.963 18uA	
12151	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	11.579	6	2	-1	2.697	38.475	38.475	15.195 1180k	1530k	1530k	14k	0.959 Beam Current: 12uA (11.58 actual)	
12152	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	7.544	6	1	-1	1.798	25.689	25.689	9.848 1160k	1004k	1004k	13k	0.967 8uA	
12153	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	4.746	5	0	-1	0	0	0	0.1446k	1217k	1217k	13k	0.962 5uA	
12154	Lumi	Carbon0p5	9.203	5.27	7.505	4.1	-12.505	2.539	0	0	-1	0	0	0	0.829k	1642k	-16k	14k	1E+038 3uA	
12156	Lumi	Dummy10cm	9.203	5.27	7.505	4.1	-12.505	39.239	9	5	-1	16.714	250.902	250.902	24.303 611k	607k	607k	0k	0.952 40uA	
12157	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	39.045	0	5	-1	96.869	1781.965	11.699	3.225 471k	573k	-966k	0k	1E+038 JUNK	
12158	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	39.111	11	8	-1	98.252	1237.968	1237.968	25.399 495k	784k	784k	9k	0.902 Beam Current: 40uA (39.11 actually)	
12159	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	24.385	11	7	-1	61.403	811.587	811.587	15.698 608k	510k	510k	8k	0.939 25uA	
12160	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	17.447	10	6	-1	44.041	597.334	597.334	10.129 775k	676k	676k	7k	0.961 18uA	
12161	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	11.586	10	6	-1	29.604	408.071	408.071	7.538 584k	518k	518k	7k	0.965 12uA	
12162	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	7.655	9	5	-1	19.845	275.814	275.814	4.749 724k	666k	666k	13k	0.969 8uA	
12163	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	1.524	8	5	-1	0	0	0	0.39k	70k	70k	3k	0.975 5uA	
12164	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	4.742	8	5	-1	0	0	0	0.478k	887k	887k	8k	0.973 5uA	
12166	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	2.816	8	4	-1	0	0	0	0.502k	495k	495k	6k	0.972 Beam Current: 3uA (2.816 actual)	

### LUMINOSITY SCAN #2

12167	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	52.078	10	8	-1	108.674	785.877	8.599	32.737 513k	-478554k-5237k	1k	0.936 55uA	
12170	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	23.366	10	8	-1	49.883	374.862	1.901	15.314 246k	-238398k-1210k	1k	0.967 25uA	
12171	Lumi	LD2	9.203	5.27	8.995	4.1	-13.005	9.64	10	8	-1	20.147	153.708	153.708	5.912 96k	184k	184k	1k	0.977 Beam Current: 10uA (9.640 actual)
12172	Lumi	LD2	9.203	5.27	8.995	4.1	-13.005	17.455	10	8	-1	36.131	273.945	273.945	9.921 159k	304k	304k	1k	0.965 Beam Current: 18uA (17.455 actual)
12173	Lumi	LD2	9.203	5.27	8.995	4.1	-13.005	4.744	10	7	-1	0	0	0	0.50k	44k	44k	6k	0.994 5uA 5 minute run
12174	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	4.413	8	5	-1	10.743	82.145	0.263	0.021 356k	-45892k -161k	7k	0.979 5uA	
12175	Lumi	LD2	9.203	5.27	7.505	4.1	-12.505	17.473	9	6	-1	36.375	274.067	1.286	10.143 640k	-159096k-746k	7k	0.973 18uA	
12178	Lumi	Dummy10cm	9.203	5.27	7.505	4.1	-12.505	36.614	8	5	-1	13.875	111.184	0.318	25.618 539k	-73381k -217k	8k	0.968 40uA	

12179	Lumi	Dummy10cm	9.203	5.27	7.505	4.1	-12.505	39.273	8	5	-1	14.042	112.62	0.317	22.588 473k	-64547k	-182k	7k		0.963 40uA
12181	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	64.481	8	5	-1	12.72	97.138	97.138	81.101 907k	913k	913k	7k		0.97 70uA
12184	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	47.749	7	4	-1	10.116	77.317	77.317	63.017 1330k	1406k	1406k	15k		0.963 55uA
12185	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	38.731	7	4	-1	7.406	56.456	56.456	46.617 990k	1045k	1045k	14k		0.969 40uA
12186	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	24.201	6	3	-1	4.621	35.327	35.327	29.156 1113k	1290k	1290k	13k		0.963 25uA
12187	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	17.356	6	2	-1	3.319	25.426	25.426	20.933 1333k	928k	928k	13k		0.971 18uA
12189	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	9.554	5	2	-1	1.845	14.12	14.12	11.561 744k	1005k	1005k	9k		0.968 10uA
12190	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	4.508	3	0	-1	0	0	0	0 1116k	1702k	1702k	13k		0.966 5uA
12191	Lumi	Carbon0p5	9.203	5.27	8.995	4.1	-13.005	25.863	8	5	-1	9.957	75.493	75.493	20.82 239k	235k	235k	9k		0.967 70uA
12192	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	59.935	10	7	-1	61.316	465.501	465.501	44.062 672k	646k	646k	9k		0.948 70uA
12193	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	49.046	10	7	-1	51.042	391.02	391.02	32.641 503k	488k	488k	8k		0.943 55uA
12194	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	39.016	9	6	-1	39.488	303.869	303.869	23.657 726k	717k	717k	14k		0.964 40uA
12195	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	23.537	9	6	-1	24.839	191.278	191.278	15.069 470k	464k	464k	15k		0.97 25uA
12196	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	11.969	9	6	-1	16.866	132.345	132.345	7.24 224k	225k	225k	4k		0.966 18uA
12197	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	9.238	7	4	-1	9.78	77.028	77.028	5.52 629k	685k	685k	7k		0.97 10uA
12198	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	4.738	6	3	-1	0	0	0	0 594k	707k	707k	7k		0.978 5uA
12199	Lumi	LH2	9.203	5.27	8.995	4.1	-13.005	60.924	10	7	-1	64.217	492.561	492.561	48.284 730k	709k	709k	1k		0.939

**FADC DEADTIME STUDY SIDIS #1**

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Theta_	Theta_H	Current	PS1	PS4	PS5	HMS_Rate_	SHMS_Rate_	Coin_Rate_	Charge_	Raw_	Raw_	Raw_C	SHMS_Hadron_	Comments	
													(kHz)	(kHz)	(kHz)	(mC)	HMS	SHMS	oin	EDTM	Tracking	
12200	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	21.82	11	8	0	52.252	505.279	1.975	14.031 149k	181k	726k	6k		0.984 11599 pi-X		
12201	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	39.07	11	8	0	53.456	516.907	2.047	39.886 423k	515k	2089k	10k		0.984 Everything is looking good!		
12202	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	23.902	11	8	0	39.358	382.071	1.174	55.387 591k	721k	2274k	23k		0.987	46782	
12203	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	18.203	9	6	0	26.707	260.367	0.579	27.595 1156k	1447k	827k	15k		0.99	23365	
12204	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	18.843	9	6	0	26.736	260.626	0.58	29.158 1224k	1532k	876k	15k		0.99	24743	
12205	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	15.108	9	5	0	21.449	209.351	0.395	19.892 1622k	1047k	509k	13k		0.992	17040	
12206	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	15.49	9	5	0	21.5	210.05	0.397	19.697 1608k	1039k	504k	13k		0.991	16725	
12207	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	15.513	9	5	0	21.51	209.722	0.395	18.533 1509k	973k	471k	12k		0.991	15775	
12208	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	11.571	9	5	0	16.131	157.929	0.245	20.612 1690k	1095k	436k	18k		0.993	17691	
12209	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	11.592	8	5	0	16.144	157.98	0.245	15.653 1282k	1654k	331k	13k		0.993	13364	
12210	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	10.96	8	5	0	16.099	157.581	0.244	15.649 1291k	1665k	332k	14k		0.993	13417	
12211	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	11.626	8	5	0	16.194	158.383	0.245	7.305 599k	771k	154k	6k		0.993	6260	
12212	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	7.55	8	4	0	10.783	105.646	0.131	12.464 1959k	1339k	214k	16k		0.994	10935	
12213	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	7.689	8	4	0	10.799	105.768	0.13	11.556 1803k	1232k	196k	15k		0.994	10935	
12214	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	7.671	8	4	0	10.796	105.788	0.13	10.967 1714k	1172k	186k	14k		0.995	9392	
12215	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	7.3	8	4	0	10.772	105.533	0.13	11.4 1787k	1221k	194k	16k		0.994	9839	
12216	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	7.681	8	4	0	10.799	105.736	0.131	9.203 1438k	982k	157k	12k		0.994	7945	
12217	fADC	LH2	9.203	3.26	12.305	3.738	-12.405	39.289	8	5	0	18.66	139.723	0.247	57.247 1599k	1578k	360k	14k		0.993	13683	

**FADC DEADTIME STUDY SIDIS #2**

12218	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	57.046	11	5	0	17.299	624.568	0.855	83.328 1311k	785k	1102k	14k		0.981	8738
12219	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	45.344	11	5	0	17.681	637.617	0.877	81.671 1286k	769k	1089k	18k		0.981	8626
12220	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	52.824	11	5	0	17.928	646.755	0.894	48.39 761k	455k	647k	9k		0.981	5033
12221	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	51.084	10	5	0	14.5	526.826	0.61	66.387 1051k	1266k	752k	13k		0.983	17833
12222	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	54.557	10	5	0	14.689	533.593	0.618	71.265 1129k	1359k	808k	13k		0.984	18948
12223	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	49.112	10	5	0	14.068	529.038	0.594	25.624 392k	489k	282k	5k		0.984	6646
12233	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	52.32	10	5	0	14.285	519.957	0.59	46.359 732k	883k	514k	9k		0.984	12387
12234	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	38.041	10	5	0	10.443	382.949	0.341	47.168 752k	914k	418k	12k		0.987	12473
12238	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	30.809	10	5	0	10.353	379.608	0.337	46.812 743k	903k	414k	15k		0.987	12494
12239	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	38.276	10	5	0	10.419	382.065	0.339	76.909 1221k	1483k	675k	20k		0.987	20311
12243	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	24.228	9	4	0	6.569	242.321	0.157	29.52 889k	1149k	191k	12k		0.99	7628
12244	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	21.161	9	4	0	6.537	240.987	0.156	35.581 1076k	1389k	233k	17k		0.991	9295
12245	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	24.267	9	4	0	6.581	242.797	0.158	28.178 849k	1097k	183k	11k		0.99	7392
12246	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	24.209	9	4	0	6.582	242.926	0.158	27.429 827k	1069k	179k	11k		0.991	7095
12247	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	21.197	9	4	0	6.545	241.364	0.157	23.891 722k	932k	157k	11k		0.99	6306
12248	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	22.914	9	4	0	6.573	242.381	0.157	32.473 978k	1263k	211k	14k		0.99	8484
12250	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	17.401	8	3	0	4.754	175.787	0.096	20.546 1123k	1609k	114k	12k		0.991	5423
12251	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	16.475	8	3	0	4.736	175.106	0.095	19.768 1078k	1545k	109k	12k		0.992	5126
12252	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	17.013	8	3	0	4.749	175.538	0.096	22.934 1254k	1796k	127k	13k		0.992	5940
12253	fADC	LH2	9.203	2.8	15.445	3.87	-16.69	17	8	3	0	4.743	175.145	0.096	20.54 1125k	1610k	114k	12k		0.993	5325

12254 fADC	LH2	9.203	2.8	15.445	3.87	-16.69	17.253	8	3	0	4.759	175.696	0.097	21.036	1148k	1642k	117k	12k	0.991	5537
12255 fADC	LH2	9.203	2.8	15.445	3.87	-16.69	17.459	8	3	0	4.778	176.481	0.097	21.103	1155k	1654k	117k	12k	0.992	5488
12256 fADC	LH2	9.203	2.8	15.445	3.87	-16.69	12.95	8	3	0	4.741	175.109	0.096	14.656	802k	1148k	84k	11k	0.992	3689
12257 fADC	LH2	9.203	2.8	15.445	3.87	-16.69	17.038	8	3	0	4.764	175.891	0.096	19.519	1066k	1526k	108k	11k	0.992	5055
12258 fADC	LH2	9.203	2.8	15.445	3.87	-16.69	17.377	8	3	0	4.772	176.518	0.097	22.551	1232k	1767k	125k	13k	0.992	5843

Q<sup>2</sup>=6.00, W=3.19, LH+, SHMS=7.055deg

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
12262 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	59.937	13	6	0	2.111	349.708	0.06	201.345	191k	255k	183k	33k	0.949	53
12263 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	37.538	13	6	0	1.841	285.377	0.048	16.847	16k	20k	16k	4k	0.945	11
12264 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	68.051	13	6	0	2.166	353.746	0.062	16.203	16k	21k	15k	2k	0.951	4
12265 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	68.038	13	6	0	2.159	353.209	0.061	19.059	18k	24k	17k	3k	0.941	3
12266 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	34.697	12	5	0	1.258	158.576	0.024	65.128	124k	129k	42k	19k	0.968	17
12267 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	40.68	12	5	0	1.554	216.079	0.033	87.238	166k	191k	63k	21k	0.96	18
12269 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	34.654	12	5	0	1.591	222.411	0.034	49.613	94k	109k	38k	14k	0.965	15
12273 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	37.105	16	5	0	0.552	29.612	0.011	134.065	112k	3k	40k	7k		134.065 112k to 2000 (1.17); ratio is 1 huge, should be excluded - JUNK
12275 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	53.543	13	6	0	1.847	282.613	0.046	229.016	220k	271k	182k	42k	0.956	67
12276 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	49.49	13	6	0	1.843	283.065	0.045	171.843	164k	203k	139k	34k	0.96	63
12277 Prod	LH2	9.203	8.035	7.055	1.026	-47.04	48.342	13	6	0	1.817	278.895	0.045	42.626	41k	50k	34k	9k	0.961	9
12278 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	58.714	13	6	0	2.098	353.924	0.061	207.025	194k	264k	192k	35k	0.947	55
12279 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	38.44	13	6	0	2.066	349.526	0.061	44.843	42k	57k	46k	12k	0.942	14 - short run
12280 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	57.575	13	6	0	2.114	358.627	0.062	218.833	205k	280k	205k	38k	0.946	50
12281 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	63.213	13	6	0	2.134	364.446	0.063	246.615	230k	316k	227k	39k	0.946	64
12282 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	63.547	13	6	0	2.136	365.875	0.063	259.539	242k	333k	238k	40k	0.949	61
12283 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	45.587	13	6	0	2.135	364.796	0.063	105.27	98k	135k	103k	23k	0.949	24
12284 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	40.682	13	6	0	2.047	344.593	0.059	96.171	90k	122k	94k	24k	0.946	28
12285 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	31.421	13	6	0	2.021	337.966	0.057	68.356	64k	86k	71k	22k	0.943	19
12286 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	63.518	13	6	0	2.076	350.559	0.059	301.482	281k	381k	268k	47k	0.947	77
12287 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	11.383	13	6	0	1.728	270.107	0.043	8.976	7k	9k	13k	8k	0.956	1
12288 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	57.01	13	6	0	2.132	369.048	0.064	97.55	92k	128k	94k	17k	0.948	21
12289 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	53.753	13	6	0	2.116	366.353	0.064	237.424	224k	311k	231k	44k	0.947	56
12290 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	55.988	13	6	0	2.121	367.229	0.063	246.623	231k	322k	235k	44k	0.946	62
12291 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	38.173	9	4	0	0.531	29.448	0.011	139.108	211k	409k	40k	36k	0.986	0
12292 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	64.353	13	6	0	2.124	367.162	0.063	215.472	202k	281k	199k	33k	0.949	62
12293 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	45.341	13	6	0	2.077	356.883	0.061	161.863	152k	210k	158k	35k	0.947	35
12294 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	63.189	13	6	0	2.09	360.762	0.061	252.2	236k	328k	231k	39k	0.95	55
12295 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	61.736	13	6	0	2.082	359.541	0.061	215.009	201k	279k	198k	34k	0.945	67
12296 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	42.721	13	6	0	2.111	367.057	0.062	84.51	79k	110k	84k	20k	0.952	25
12297 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	64.435	13	6	0	2.1	368.843	0.063	169.13	157k	221k	156k	26k	0.942	44
12298 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	65.32	13	6	0	2.09	365.767	0.062	334.813	310k	437k	306k	51k	0.945	78
12299 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	58.541	13	6	0	2.086	365.412	0.062	208.054	192k	271k	194k	35k	0.943	52

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
12300 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	61.469	13	6	0	2.081	365.013	0.062	257.61	238k	336k	237k	41k	0.947	67
12301 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	38.509	13	6	0	2.086	367.067	0.062	86.648	80k	113k	89k	22k	0.945	31
12302 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	42.64	13	6	0	2.029	352.176	0.059	161.318	149k	208k	157k	38k	0.945	55
12303 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	66.128	13	6	0	2.052	357.936	0.06	239.451	220k	309k	212k	36k	0.942	60
12304 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	35.265	10	4	0	0.515	28.934	0.011	127.304	190k	187k	39k	36k	0.972	2
12305 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	45.385	13	0	0	2.029	353.298	0.059	165.759	-5032k	213k	158k	36k	0.95	45
12306 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	63.472	13	6	0	2.032	354.156	0.059	232.858	214k	300k	207k	36k	0.946	59
12307 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	68.44	13	6	0	2.062	361.464	0.059	8.327	8k	11k	7k	1k	0.946	4 fADCMode10
12308 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	34.673	13	6	0	2.028	354.056	0.059	34.831	32k	45k	36k	10k	0.936	8
12309 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	61.241	13	6	0	1.996	348.471	0.058	224.792	206k	290k	201k	36k	0.943	53
12310 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	55.829	13	6	0	1.952	340.53	0.057	136.805	125k	176k	125k	24k	0.941	43
12311 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	67.482	13	6	0	2.068	364.823	0.061	238.802	218k	310k	214k	35k	0.944	63
12312 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	65.877	13	6	0	2.062	364.497	0.061	244.394	223k	317k	219k	37k	0.945	60
12313 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	64.236	13	6	0	2.049	361.536	0.061	266.406	243k	345k	240k	41k	0.947	75
12314 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	56.739	13	6	0	2.064	365.322	0.061	249.326	227k	324k	230k	43k	0.947	68
12316 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	52.764	13	6	0	2.016	354.335	0.06	214.953	197k	278k	200k	40k	0.942	53

12318 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	56.934	13	6	0	2.031	357.698	0.06	265.682 243k	344k	244k	46k	0.947	93
12319 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	57.97	13	6	0	2.041	361.157	0.06	206.771 188k	268k	189k	35k	0.947	71
12320 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	56.457	13	6	0	1.979	347.896	0.058	228.43 208k	295k	209k	40k	0.946	67
12321 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	61.548	13	6	0	2.028	357.319	0.06	219.805 200k	284k	198k	35k	0.947	64
12322 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.493	13	6	0	1.909	332.86	0.056	146.679 134k	188k	142k	35k	0.948	41
12323 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	28.136	13	6	0	1.975	346.994	0.058	98.013 90k	127k	107k	35k	0.945	31
12324 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	25.023	13	6	0	2.05	362.316	0.061	23.317 21k	30k	27k	9k	0.935	5
12325 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	32.256	10	4	0	0.517	29.437	0.011	119.235 177k	176k	40k	37k	0.985	2
12327 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	60.342	13	6	0	2.054	365.254	0.061	215.559 196k	280k	197k	35k	0.946	61
12328 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	63.871	13	6	0	2.036	363.067	0.061	126.765 115k	165k	115k	20k	0.942	24
12329 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	27.705	13	6	0	2.084	372.289	0.062	32.677 30k	43k	36k	12k	0.94	7
12330 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	62.613	13	0	-1	2.037	362.967	0.061	219.223 -6558k	285k	-198k	34k	0.942	59
12331 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	53.773	13	6	0	1.987	352.878	0.059	186.889 170k	242k	173k	34k	0.95	54
12332 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	58.54	13	6	0	2.009	358.315	0.06	215.207 195k	280k	197k	36k	0.948	46
12333 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	66.12	13	6	0	2.057	367.899	0.061	269.106 243k	350k	241k	40k	0.943	50
12334 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	65.821	13	6	0	2.065	369.882	0.062	235.751 213k	307k	212k	35k	0.945	68
12335 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	67.015	13	6	0	2.056	368.793	0.062	286.529 259k	373k	257k	42k	0.946	67
12336 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	66.528	13	6	0	2.049	366.647	0.061	305.149 276k	397k	273k	45k	0.946	103
12337 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	42.732	13	6	0	1.935	342.587	0.057	97.719 89k	126k	94k	23k	0.95	28
12339 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	38.465	13	6	0	1.877	330.061	0.055	40.23 37k	52k	40k	10k	0.944	11
12340 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	52.621	13	6	0	2.026	362.238	0.061	224.824 203k	292k	210k	42k	0.945	67
12341 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	57.089	13	6	0	1.977	352.206	0.059	228.148 206k	295k	208k	39k	0.944	50
12342 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	64.625	13	6	0	2.058	368.983	0.062	276.052 249k	359k	249k	42k	0.948	58
12343 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	61.486	13	6	0	2.049	366.779	0.061	219.856 198k	286k	200k	35k	0.945	43
12344 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	49.69	13	6	0	2.054	368.461	0.062	159.549 144k	208k	151k	32k	0.949	45
12346 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	29.598	10	4	0	0.513	29.631	0.011	106.87 156k	157k	39k	36k	0.988	1
12348 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	65.924	13	0	-1	2.066	370.787	0.062	94.581 -2803k	123k	-85k	14k	0.943	28

Run	Type	Target	EBeam	Theta_P	Theta_SHMS	Theta_H_P	Theta_H_MS	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
12350 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	49.396	13	0	-1	1.979	355.886	0.059	169.091 -4971k	218k	-156k	34k	0.942	38		
12351 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	67.004	13	6	0	2.025	366.517	0.06	234.968 209k	304k	206k	35k	0.944	66		
12353 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	58.496	13	6	0	1.993	359.532	0.059	213.014 189k	275k	190k	36k	0.947	46		
12354 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	48.284	13	6	0	2.02	366.548	0.06	74.937 66k	97k	70k	15k	0.944	13		
12355 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	32.492	13	6	0	1.81	321.36	0.053	52.895 47k	67k	54k	16k	0.946	13		
12356 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	64.005	13	6	0	2.01	364.293	0.06	227.996 202k	295k	202k	35k	0.946	55		
12357 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	56.224	13	6	0	2.025	369.688	0.061	103.151 91k	134k	94k	18k	0.945	21		
12358 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	60.811	13	6	0	1.98	359.913	0.059	211.458 187k	273k	187k	34k	0.948	48		
12362 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	32.477	13	0	-1	1.599	294.831	0.046	106.501 -2935k	131k	-99k	33k	0.947	37		
12363 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	49.867	13	0	-1	1.872	356.771	0.056	139.636 -3808k	177k	-121k	28k	0.945	37		
12364 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	60.761	13	6	0	1.883	360.081	0.056	211.933 175k	269k	176k	34k	0.945	65		
12365 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	56.511	13	6	0	1.881	359.852	0.056	245.013 202k	312k	207k	43k	0.946	89		
12366 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	58.162	13	6	0	1.879	358.79	0.056	223.845 185k	285k	188k	38k	0.95	64		
12367 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	45.567	13	6	0	1.844	349.492	0.055	124.467 103k	157k	109k	27k	0.941	32		
12368 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	62.885	13	6	0	1.874	357.831	0.056	262.377 217k	334k	216k	41k	0.947	70		
12369 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	55.024	13	6	0	1.868	358.09	0.056	230.971 191k	294k	196k	42k	0.948	56		
12370 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	51.706	13	6	0	1.858	353.495	0.055	104.764 87k	133k	90k	20k	0.941	32		
12372 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	20.904	11	4	0	0.768	99.741	0.015	58.094 179k	203k	39k	28k	0.971	18		
12374 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	48.916	11	4	-1	1.639	304.705	0.046	98.084 292k	476k	-77k	20k	0.947	35		
12375 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	47.459	11	4	-1	1.702	317.47	0.047	86.874 260k	424k	-69k	18k	0.95	21		
12376 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	7.362	11	4	0	1.597	295.681	0.045	11.722 37k	57k	24k	17k	0.956	1		
12377 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	49.756	11	4	0	1.657	307.804	0.046	119.974 358k	584k	93k	24k	0.947	27		
12379 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	40.033	12	5	0	1.561	278.542	0.04	98.271 156k	230k	75k	24k	0.956	25		
12380 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.329	12	5	0	1.588	285.007	0.041	76.507 121k	180k	58k	18k	0.957	23		
12381 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	56.501	12	5	0	1.583	284.55	0.04	191.547 302k	450k	132k	33k	0.955	57		
12382 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	53.526	12	5	0	1.59	285.548	0.041	209.416 331k	493k	147k	39k	0.953	66		
12383 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	50.388	12	5	0	1.588	285.107	0.041	170.074 269k	401k	122k	33k	0.957	51		
12384 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	53.032	12	5	0	1.585	283.671	0.04	186.573 296k	439k	132k	35k	0.956	44		
12385 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	48.745	13	5	0	1.592	284.968	0.041	172.777 274k	203k	125k	35k	0.952	49		
12390 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	61.592	13	6	0	1.727	321.248	0.047	157.672 129k	193k	118k	25k	0.949	50		
12391 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	54.174	13	6	0	1.698	314.001	0.046	195.399 160k	238k	149k	36k	0.951	55		



12393 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.238	13	6	0	1.571	283.526	0.042	195.428	160k	233k	154k	47k	0.946	54
12394 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	27.378	13	6	0	1.278	206.589	0.028	72.72	60k	78k	55k	27k	0.961	27
12395 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	37.849	13	6	0	1.371	226.035	0.031	134.826	112k	148k	93k	35k	0.968	33
12396 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	40.424	13	6	0	1.564	278.816	0.04	141.572	116k	167k	110k	35k	0.953	39
12397 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	34.749	13	6	0	1.799	343.292	0.052	123.34	101k	155k	114k	35k	0.941	27
12398 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	60.586	13	6	0	1.831	352.389	0.054	218.962	179k	277k	179k	36k	0.945	102
12399 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	60.823	13	6	0	1.852	356.896	0.055	218.95	179k	278k	179k	36k	0.946	81

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Theta_H	Current	PS1	PS4	PS5	HMS_Rate_	SHMS_Rate_	Coin_Rate_	Charge_Raw	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
12400 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	53.199	13	6	0	1.821	349.05	0.054	213.533	175k	270k	179k	40k	0.951	79	
12401 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	9.91	13	6	0	1.486	275.389	0.044	23.597	20k	29k	40k	25k	0.942	11	
12403 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	52.402	13	6	0	1.828	351.66	0.054	117.048	96k	148k	98k	22k	0.952	50	
12404 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	57.634	13	6	0	1.853	356.087	0.055	210.207	172k	266k	174k	36k	0.952	106	
12405 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	54.799	13	6	0	1.842	352.956	0.054	196.337	161k	248k	164k	35k	0.955	91	
12406 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	58.836	13	6	0	1.854	354.167	0.054	216.091	177k	272k	176k	36k	0.949	99	
12407 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	61.029	13	6	0	1.839	350.001	0.054	220.395	181k	277k	178k	36k	0.954	109	
12408 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	64.743	13	6	0	1.848	353.709	0.054	242.214	198k	306k	194k	37k	0.952	101	
12409 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	58.945	13	0	-1	1.849	353.058	0.054	201.966	5471k	255k	165k	34k	0.953	89	
12411 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.279	12	5	0	1.209	185.395	0.025	146.789	238k	303k	86k	35k	0.969	72	
12412 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	33.649	12	5	0	1.199	183.633	0.025	132.248	215k	272k	85k	39k	0.971	51	
12413 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.481	12	5	0	1.207	184.97	0.025	146.372	237k	302k	85k	35k	0.972	68	
12414 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	44.035	12	5	0	1.212	185.66	0.025	162.39	263k	334k	92k	36k	0.972	65	
12415 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	38.964	12	5	0	1.206	184.276	0.025	139.309	226k	286k	84k	36k	0.962	72	
12416 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.506	12	5	0	1.209	185.002	0.025	147.941	240k	304k	86k	35k	0.974	71	
12418 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	37.034	10	3	0	0.472	29.266	0.011	131.877	320k	193k	39k	35k	0.993	3	
12419 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	13.913	10	3	0	0.43	26.412	0.011	29.128	74k	43k	22k	21k	0.939		
12420 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	33.808	10	3	0	0.465	28.91	0.011	123.164	299k	181k	39k	36k	0.982	3	
12421 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	30.492	10	3	0	0.464	28.915	0.011	109.236	265k	160k	38k	36k	0.985	4	
12423 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	34.54	10	3	0	0.47	29.321	0.011	109.153	264k	160k	34k	32k	0.981	1	
12424 Prod	Dummy10cm	9.173	8.035	7.055	1.026	-47.04	39.299	10	3	0	0.472	29.516	0.011	70.057	168k	103k	19k	18k	0.988	1	
12425 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	42.892	12	5	0	1.211	186.758	0.025	153.318	247k	316k	89k	35k	0.971	59	
12426 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	43.042	12	5	0	1.205	186.124	0.025	153.132	247k	316k	89k	35k	0.972	71	
12427 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	34.317	12	5	0	1.2	185.162	0.025	121.157	196k	250k	77k	35k	0.974	50	
12428 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	37.548	12	5	0	1.206	186.304	0.025	136.54	220k	282k	83k	36k	0.971	58	
12429 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.582	12	5	0	1.204	185.638	0.025	182.502	294k	376k	107k	44k	0.97	89	
12430 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.121	12	0	-1	1.194	184.205	0.025	148.579	4073k	306k	87k	36k	0.97	75	
12431 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	40.639	12	5	0	1.187	182.014	0.025	100.809	163k	207k	59k	25k	0.972	49	
12433 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	42.322	12	5	0	1.203	185.355	0.025	146.689	237k	302k	85k	34k	0.968	83	
12441 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	42.003	12	5	0	1.207	186.036	0.025	164.306	265k	339k	95k	39k	0.97	61	
12442 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	41.292	12	5	0	1.201	185.135	0.025	147.773	238k	305k	87k	35k	0.973	68	
12443 Prod	LH2	9.173	8.035	7.055	1.026	-47.04	42.465	12	5	0	1.2	185.127	0.025	114.283	184k	236k	66k	27k	0.972	57	

Q<sup>2</sup>=6.00, W=3.19, LH+, SHMS=5.505deg

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Theta_H	Current	PS1	PS4	PS5	HMS_Rate_	SHMS_Rate_	Coin_Rate_	Charge_Raw	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
12445 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.492	13	5	0	1.067	478.907	0.044	132.486	213k	397k	152k	35k	0.952	71	
12446 fADC	LH2	9.173	8.035	5.505	1.026	-47.04	39.028	13	5	0	1.069	480.003	0.045	4.512	7k	14k	5k	1k	0.944	13 fADC run	
12447 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.893	13	5	0	1.063	477.995	0.044	130.909	211k	392k	150k	35k	0.952	71	
12448 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.231	13	5	0	1.07	479.809	0.045	136.542	220k	409k	156k	35k	0.955	91	
12449 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.838	13	5	0	1.068	480.161	0.044	133.372	215k	400k	152k	35k	0.947	61	
12450 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.778	13	4	0	1.072	481.541	0.045	138.399	421k	416k	159k	36k	0.947	61	
12451 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.959	13	4	0	1.069	479.157	0.044	137.948	420k	413k	158k	36k	0.95	82	
12452 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	35.543	13	4	0	1.07	479.26	0.045	125.036	382k	375k	146k	35k	0.952	71	
12453 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.281	13	4	0	1.068	478.713	0.044	136.155	415k	409k	156k	35k	0.948	70	
12454 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.643	13	4	0	1.071	480.665	0.044	128.127	389k	384k	147k	33k	0.947	72	
12455 Prod	Dummy10cm	9.173	8.035	5.505	1.026	-47.04	37.561	13	4	0	0.469	89.195	0.013	132.896	178k	74k	45k	35k	0.983	6 dummy	
12456 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.317	13	4	0	1.062	475.081	0.044	122.993	375k	368k	144k	35k	0.949	65	
12457 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.735	13	4	0	1.07	477.742	0.044	147.524	451k	441k	173k	42k	0.951	76	
12458 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.41	13	4	0	1.068	478.178	0.044	132.003	402k	396k	151k	34k	0.945	57	
12459 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.524	13	4	0	1.071	478.645	0.045	144.92	442k	434k	168k	39k	0.946	74	

12460 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	35.018	13	4	0	1.073	480.26	0.045	124.765	381k	374k	146k	35k	0.946	73
12461 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.452	13	4	0	1.073	481.694	0.045	144.605	441k	435k	168k	38k	0.952	71
12462 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.633	13	4	0	1.072	479.323	0.045	129.753	396k	388k	151k	35k	0.946	71
12463 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.297	13	4	0	1.204	575.594	0.057	141.006	429k	450k	189k	38k	0.941	53
12464 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	31.107	13	4	0	1.178	561.463	0.055	105.67	322k	336k	145k	34k	0.945 kept .data look good	71
12465 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.239	13	4	0	1.179	560.276	0.055	43.975	134k	139k	57k	11k	0.948	28
12466 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.348	13	4	0	1.191	567.251	0.056	164.533	499k	522k	212k	39k	0.944	71
12467 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	43.925	13	4	0	1.2	550.123	0.055	9.932	30k	30k	12k	2k	0.938 q1 interlock	60
12468 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.366	13	4	0	1.196	572.037	0.056	140.74	427k	448k	182k	33k	0.942	78
12469 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.282	13	4	0	1.195	571.246	0.056	148.189	449k	471k	192k	35k	0.945	96
12470 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.551	13	0	-1	1.197	572.968	0.056	158.119	4311k	504k	205k	37k	0.941	78
12471 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	43.877	13	4	0	1.201	573.969	0.056	156.738	475k	499k	201k	35k	0.936	70
12472 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	42.16	13	4	0	1.199	573.085	0.056	150.926	458k	481k	195k	35k	0.937	88
12473 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	20.918	13	4	0	0.751	328.49	0.034	31.431	96k	92k	43k	15k	0.939	24
12474 Prod	Dummy10cm	9.173	8.035	5.505	1.026	-47.04	33.09	13	4	0	0.465	88.257	0.013	137.099	184k	76k	51k	41k	0.966	83
12475 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.409	13	4	0	1.193	570.612	0.056	150.269	455k	478k	194k	36k	0.938	97
12476 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	43.533	13	4	0	1.198	573.959	0.056	155.105	469k	494k	199k	35k	0.941	83
12477 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.119	13	4	0	1.195	564.931	0.055	44.682	136k	141k	58k	12k	0.941	22
12478 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	29.975	13	4	0	1.114	523.349	0.05	71.074	215k	221k	94k	23k	0.941	43
12479 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.643	13	4	0	1.137	537.712	0.052	149.88	450k	467k	187k	38k	0.943	105
12480 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.904	13	4	0	1.137	536.07	0.051	184.707	555k	575k	228k	45k	0.944	126
12481 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	32.494	13	4	0	1.122	525.716	0.05	77.871	235k	241k	100k	24k	0.949	43
12482 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.446	13	4	0	1.129	529.171	0.051	141.365	426k	438k	175k	36k	0.94	77
12483 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.221	13	4	0	1.13	531.708	0.051	135.553	408k	421k	169k	36k	0.941	72
12484 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.339	13	4	0	1.126	528.528	0.05	146.992	442k	456k	179k	36k	0.943	68
12485 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.293	13	4	0	1.127	527.744	0.05	146.609	441k	454k	177k	35k	0.947	68
12486 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.287	13	4	0	1.125	524.669	0.05	134.205	405k	414k	166k	36k	0.943	69
12487 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.136	13	4	0	1.124	524.968	0.05	132.797	400k	410k	165k	36k	0.945	80
12488 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.404	13	4	0	1.127	525.794	0.05	134.328	406k	415k	167k	36k	0.943	92
12489 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	24.881	13	4	0	1.128	529.823	0.05	22.397	68k	69k	31k	9k	0.946	14
12490 Prod	Dummy10cm	9.173	8.035	5.505	1.026	-47.04	35.725	13	4	0	0.443	83.153	0.012	136.763	181k	75k	47k	38k	0.991	1
12491 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.233	13	4	0	1.128	527.968	0.05	151.693	456k	469k	183k	36k	0.945	82
12492 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	35.462	13	4	0	1.131	529.661	0.051	139.852	421k	433k	176k	39k	0.937	69
12493 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.819	13	4	0	1.125	525.42	0.05	138.917	420k	429k	175k	39k	0.944	80
12494 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.928	13	4	0	1.126	526.534	0.05	56.311	169k	174k	68k	13k	0.946	36
12499 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.273	13	4	0	1.129	528.292	0.05	133.68	403k	413k	165k	35k	0.944	75

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P	Theta_H	HMS_Rate	SHMS_Rate	Coin_Rate	Charge_Raw	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron	Tracking	Comments			
						MS	Current	PS1	PS4	PS5	(kHz)	(kHz)	(kHz)	(mC)	HMS					
12500 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.633	13	4	0	1.13	526.208	0.05	123.329	372k	381k	151k	31k	0.945	81
12501 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.495	13	4	0	1.124	524.902	0.05	126.812	382k	392k	156k	33k	0.947	91
12503 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.765	13	4	0	1.139	532.601	0.051	125.374	378k	388k	153k	29k	0.947	74
12504 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.228	13	4	0	1.126	526.498	0.05	138.235	417k	428k	169k	34k	0.942	70
12505 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.509	13	4	0	1.126	526.112	0.05	180.253	544k	558k	222k	46k	0.943	115
12506 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.147	13	4	0	1.132	528.389	0.05	129.885	391k	401k	159k	33k	0.943	76
12507 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.762	13	4	0	1.13	524.582	0.05	156.486	473k	482k	190k	39k	0.944	77
12508 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.072	13	4	0	1.128	524.64	0.05	123.524	372k	380k	149k	30k	0.943	72
12509 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.75	13	4	0	1.083	499.2	0.048	133.729	405k	409k	163k	36k	0.95	78
12510 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.275	13	4	0	1.132	526.866	0.05	149.342	450k	460k	181k	35k	0.942	81
12511 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.91	13	4	0	1.129	523.737	0.05	131.156	396k	403k	161k	35k	0.945	86
12512 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.866	13	4	0	1.131	523.762	0.05	145.261	438k	446k	176k	35k	0.945	91
12513 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.544	13	4	0	1.132	527.006	0.05	136.997	414k	422k	169k	36k	0.944	83
12514 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.29	13	4	0	1.133	526.742	0.05	147.723	446k	456k	181k	37k	0.943	84
12515 fADC	LH2	9.173	8.035	5.505	1.026	-47.04	41.749	13	4	0	1.137	525.819	0.05	6.263	19k	19k	8k	1k	0.94 fADC mode 10 14	
12516 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	23.145	13	4	0	1.127	521.735	0.05	87.489	266k	269k	123k	38k	0.941	40
12518 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	33.278	13	4	0	1.128	524.993	0.051	141.942	429k	438k	181k	42k	0.937	88
12519 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	35.762	13	4	0	1.132	526.093	0.05	139.457	421k	429k	174k	38k	0.943	88
12520 Prod	Dummy10cm	9.173	8.035	5.505	1.026	-47.04	33.934	13	4	0	0.444	82.886	0.012	128.746	171k	70k	46k	38k	0.972 3 dummy	
12521 Prod	Dummy10cm	9.173	8.035	5.505	1.026	-47.04	37.368	13	4	0	0.447	83.604	0.012	23.727	31k	13k	8k	6k	0.971 1 dummy	
12523 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.244	14	0	-1	1.13	527.293	0.05	145.31	3932k	224k	176k	35k	0.944	94
12525 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.043	14	5	0	1.133	525.877	0.05	146.851	234k	226k	178k	35k	0.947	86

12526 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.723	14	5	0	1.134	528.987	0.05	112.595	180k	174k	137k	28k	0.941	66
12527 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	29.548	14	5	0	1.124	522.237	0.05	105.627	169k	163k	137k	35k	0.942	66
12528 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.362	14	5	0	1.122	518.768	0.05	140.628	225k	216k	171k	35k	0.938	76
12529 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.174	14	5	0	1.131	524.963	0.05	148.432	237k	228k	179k	35k	0.945	101
12530 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.853	14	5	0	1.126	521.642	0.05	134.626	215k	207k	166k	35k	0.945	103
12531 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.465	14	5	0	1.125	520.766	0.05	131.408	210k	202k	163k	35k	0.942	64
12532 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.373	14	5	0	1.135	526.836	0.05	153.312	245k	236k	186k	37k	0.942	86
12533 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.224	13	4	0	1.126	525.017	0.05	57.808	174k	178k	70k	14k	0.946	30
12534 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.208	13	4	0	1.091	509.429	0.049	135.71	405k	415k	163k	34k	0.946	92
12535 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	33.715	13	4	0	1.119	523.621	0.05	92.312	276k	283k	115k	27k	0.944	50
12536 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.856	13	4	0	1.118	522.702	0.049	130.827	391k	401k	159k	34k	0.948	78
12537 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.612	13	4	0	1.114	522.731	0.05	140.485	419k	432k	169k	35k	0.947	91
12538 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	27.062	13	4	0	1.125	528.115	0.05	47.352	142k	145k	62k	17k	0.942	32
12539 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.205	13	4	0	1.124	526.878	0.05	140.576	420k	432k	169k	33k	0.942	78
12540 Prod	Dummy10cm	9.173	8.035	5.505	1.026	-47.04	33.322	13	4	0	0.437	82.003	0.012	109.195	144k	59k	40k	33k	0.977 5 dummy	
12541 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.683	13	4	0	1.122	525.11	0.05	142.163	424k	436k	172k	35k	0.938	81
12542 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.509	13	4	0	1.12	523.443	0.05	150.693	451k	462k	183k	38k	0.947	99
12543 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.976	13	4	0	1.117	523.772	0.05	139.738	417k	430k	168k	34k	0.947	80
12544 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.227	13	4	0	1.124	526.085	0.05	143.774	430k	442k	173k	35k	0.947	81
12545 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	33.899	13	4	0	1.12	527.212	0.05	69.633	208k	214k	87k	20k	0.948	46
12546 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.893	13	4	0	1.127	529.093	0.05	150.274	449k	463k	180k	35k	0.945	95
12547 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.695	13	4	0	1.117	521.273	0.05	122.983	369k	377k	153k	35k	0.946	68
12548 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.887	13	4	0	1.119	522.718	0.049	145.202	434k	446k	174k	36k	0.942	89
12549 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	35.825	13	0	-1	1.112	519.431	0.049	169.904	458k	522k	210k	47k	0.945	105

Run	Type	Target	EBeam	Theta_P	Theta_H	SHMS	P_SHMS	SHMS	MS	Current	PS1	PS4	PS5	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_ (kHz)	Raw_ (kHz)	Raw_ (kHz)	SHMS_Hadron_ Tracking	EDTM	Comments	
12550 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	24.457	13	4	0	1.099	508.456	0.048	64.23	194k	196k	87k	26k	0.949					37	
12551 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.229	13	4	0	1.128	527.806	0.05	133.666	401k	412k	165k	35k	0.948						79
12552 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.687	13	4	0	1.128	528.317	0.05	143.627	430k	442k	174k	35k	0.943						88
12553 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.148	13	4	0	1.12	522.607	0.05	147.445	442k	453k	184k	43k	0.947						101
12554 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.545	13	4	0	1.124	526.864	0.05	151.71	453k	467k	182k	36k	0.944						94
12555 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.5	13	4	0	1.122	522.527	0.05	145.081	435k	445k	174k	35k	0.942						95
12556 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.076	13	4	0	1.109	515.066	0.049	89.718	269k	274k	108k	23k	0.945						61
12557 Prod	Dummy10cm	9.173	8.035	5.505	1.026	-47.04	36.807	13	4	0	0.441	82.769	0.012	130.188	171k	71k	44k	35k	0.98						2
12558 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.375	13	4	0	1.123	524.219	0.05	140.632	421k	432k	169k	34k	0.947						80
12559 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.165	13	4	0	1.118	521.188	0.05	140.746	421k	431k	169k	33k	0.944						74
12560 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.074	13	4	0	1.115	518.764	0.049	141.05	422k	431k	170k	35k	0.945						91
12561 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.552	13	4	0	1.116	519.439	0.049	130.24	390k	399k	158k	33k	0.945						55
12562 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.053	13	4	0	1.118	520.276	0.049	142.882	428k	437k	170k	34k	0.947						72
12563 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	33.998	13	4	0	1.12	520.957	0.05	117.433	352k	359k	146k	34k	0.943						67
12564 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	31.501	13	4	0	1.115	518.097	0.05	63.918	192k	196k	82k	20k	0.947						42
12565 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	36.862	13	4	0	1.105	514.297	0.049	137.191	409k	418k	166k	37k	0.946						73
12566 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	35.692	13	4	0	1.095	509.337	0.048	151.07	451k	460k	183k	42k	0.948						102
12567 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.326	13	4	0	1.106	515.488	0.048	142.923	425k	435k	167k	34k	0.945						95
12568 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	33.477	13	4	0	1.103	513.222	0.048	123.599	369k	377k	152k	36k	0.951						78
12569 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.278	13	4	0	1.103	513.157	0.048	153.112	457k	467k	181k	37k	0.949						86
12570 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.038	13	4	0	1.1	511.025	0.048	154.291	460k	469k	183k	39k	0.946						74
12571 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.625	13	4	0	1.106	513.26	0.048	150.067	448k	456k	178k	37k	0.948						109
12572 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.849	13	4	0	1.106	513.577	0.048	145.069	433k	442k	171k	36k	0.947						78
12573 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.655	13	4	0	1.108	514.203	0.048	141.265	422k	430k	168k	36k	0.946						65
12574 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	32.772	13	0	-1	1.098	510.699	0.048	84.56	227k	257k	105k	25k	0.945						46
12575 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.043	13	4	0	1.104	512.466	0.048	144.242	432k	440k	173k	37k	0.945						96
12576 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.252	13	4	0	1.107	513.782	0.048	135.571	406k	413k	162k	35k	0.944						83
12577 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.4	13	4	0	1.1	508.95	0.048	135.316	405k	411k	160k	35k	0.946						82
12578 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.443	13	4	0	1.103	511.163	0.048	148.494	444k	452k	174k	36k	0.949						77
12579 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	35.32	13	4	0	1.102	509.997	0.048	128.22	384k	390k	155k	36k	0.95						83
12580 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	40.61	13	4	0	1.107	513.801	0.048	144.474	432k	440k	170k	35k	0.942						91
12581 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	38.693	13	4	0	1.108	513.849	0.048	148.969	446k	454k	178k	38k	0.946						87
12582 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.25	13	4	0	1.107	514.212	0.048	142.192	424k	433k	166k	34k	0.945						84
12584 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	39.827	13	4	0	1.109	514.511	0.049												

12585 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	33.549	13	4	0	1.109	512.974	0.049	114.738 344k	349k	142k	34k	0.944	58
12586 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.658	13	4	0	1.107	512.165	0.049	126.759 380k	385k	155k	36k	0.944	72
12587 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.714	13	4	0	1.103	510.585	0.048	128.499 386k	391k	157k	36k	0.946	73
12588 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	37.656	13	4	0	1.107	511.852	0.048	142.454 427k	433k	171k	37k	0.945	92
12589 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	34.025	13	4	0	1.111	514.314	0.049	109.554 329k	334k	136k	32k	0.944	65
12590 Prod	LH2	9.173	8.035	5.505	1.026	-47.04	41.54	13	4	0	1.116	518.372	0.049	24.892 74k	76k	29k	6k	0.954	9

Q<sup>2</sup>=8.50, W=2.79, LH+, SHMS=5.505deg

Run	Type	Target	EBeam	P_SHMS	Theta_ SHMS	Theta_H P_HMS	MS	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_ HMS	Raw_ SHMS	Raw_ C oin	EDTM	SHMS_Hadron_ Tracking	Comments	
12591 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	36.688	13	1	0	0.221	478.412	0.017	134.233 385k	405k	60k	36k	0.949		36	
12592 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	31.757	13	1	0	0.22	475.884	0.017	114.755 332k	346k	56k	36k	0.947		32	
12593 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	33.592	13	1	0	0.22	475.161	0.017	118.991 342k	359k	56k	35k	0.953		32	
12594 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	27.673	13	1	0	0.219	471.486	0.017	93.962 274k	283k	51k	34k	0.956		15	
12595 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	38.5	13	1	0	0.232	516.313	0.018	48.21 138k	149k	22k	12k	0.951		8	
12596 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	38.58	13	1	0	0.22	476.613	0.017	27.169 78k	82k	12k	7k	0.966		5	
12597 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	31.659	13	1	0	0.225	493.656	0.017	112.688 324k	344k	56k	35k	0.96		27	
12598 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	39.937	13	1	0	0.226	500.715	0.018	4.613 13k	14k	2k	1k	0.911 FADC Mode 10 run 0 pions			
12599 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	20.279	13	1	0	0.225	494.64	0.017	10.775 32k	33k	7k	5k	0.939		2	
12600 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	33.521	13	1	0	0.226	497.074	0.017	121.99 349k	372k	58k	36k	0.948		26	
12602 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	34.394	13	1	0	0.225	495.124	0.017	121.757 347k	371k	57k	35k	0.95		34	
12603 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	35.288	13	1	0	0.225	497.711	0.017	129.294 368k	395k	60k	36k	0.946		25	
12604 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	36.683	13	1	0	0.225	497.389	0.017	152.142 432k	465k	69k	41k	0.949		36	
12605 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	31.817	13	1	0	0.223	493.181	0.017	109.836 314k	335k	54k	34k	0.936		25	
12606 Prod	Dummy10cm		9.173	7.913	5.505	0.968	-58.535	23.257	13	1	0	0.142	86.05	0.011	63.817 126k	36k	29k	28k	0.991		0	
12607 Prod	Dummy10cm		9.173	7.913	5.505	0.968	-58.535	32.409	13	1	0	0.142	86.374	0.011	68.253 130k	38k	22k	21k	0.984 0 dummy			
12608 Prod	Dummy10cm		9.173	7.913	5.505	0.968	-58.535	29.699	11	1	0	0.142	85.812	0.011	106.79 205k	238k	38k	36k	0.967 0 dummy			
12610 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	24.82	13	1	0	0.222	491.196	0.017	61.846 179k	188k	36k	25k	0.934		12	
12611 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	35.198	13	1	0	0.224	496.595	0.017	126.359 358k	385k	59k	35k	0.947		32	
12612 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	35.758	13	1	0	0.224	499.096	0.017	131.692 372k	403k	61k	36k	0.945		28	
12613 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	37.343	13	1	0	0.224	498.843	0.017	135.777 383k	415k	61k	36k	0.953		35	
12614 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	37.923	13	1	0	0.224	500.285	0.017	139.098 392k	426k	62k	36k	0.951		39	
12615 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	31.082	13	1	0	0.225	502.275	0.017	71.362 204k	219k	36k	23k	0.955		14	
12616 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	35.179	13	1	0	0.225	502.212	0.017	124.595 353k	383k	58k	35k	0.951		30	
12617 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	35.227	13	1	0	0.225	504.551	0.017	154.01 436k	474k	72k	43k	0.953		34	
12618 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	34.12	13	1	0	0.226	507.711	0.017	113.424 322k	350k	54k	33k	0.95		32	
12619 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	22.28	13	1	0	0.221	491.798	0.017	74.526 218k	229k	47k	33k	0.953		18	
12620 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	20.907	13	1	0	0.224	500.832	0.017	73.755 217k	227k	49k	35k	0.957		15	
12621 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	35.983	13	1	0	0.225	504.507	0.017	125.137 353k	385k	58k	34k	0.944		22	
12622 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	36.013	13	1	0	0.226	505.656	0.017	151.918 429k	467k	70k	41k	0.949		27	
12623 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	39.546	13	1	0	0.225	506.932	0.017	137.51 386k	423k	60k	34k	0.947		25	
12624 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	27.898	13	1	0	0.225	505.876	0.017	42.566 122k	131k	23k	15k	0.943		11	
12625 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	28.53	13	1	0	0.225	506.382	0.017	107.814 309k	332k	57k	37k	0.948		27	
12626 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	29.026	13	1	0	0.224	504.09	0.017	101.224 289k	311k	54k	35k	0.94		23	
12627 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	38.019	13	1	0	0.225	503.777	0.017	132.203 372k	406k	59k	34k	0.946		34	
12628 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	38.777	13	1	0	0.225	503.937	0.017	139.578 393k	429k	61k	35k	0.938		29	
12629 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	23.575	13	1	0	0.222	496.042	0.017	18.467 53k	56k	11k	8k	0.963		1	
12630 Prod	Dummy10cm		9.173	7.913	5.505	0.968	-58.535	13.533	11	1	0	0.141	87.137	0.011	18.655 39k	42k	15k	14k	1		0	
12632 Prod	Dummy10cm		9.173	7.913	5.505	0.968	-58.535	33.673	11	1	0	0.143	87.494	0.011	127.476 241k	285k	40k	38k	0.97		1	
12634 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	30.27	13	1	0	0.222	495.701	0.017	117.127 333k	359k	60k	38k	0.951		20	
12635 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	38.019	13	1	0	0.224	502.61	0.017	148.319 416k	455k	65k	38k	0.95		30	
12637 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	37.314	13	1	0	0.225	504.192	0.017	134.25 377k	412k	60k	35k	0.949		29	
12638 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	33.476	13	1	0	0.223	500.678	0.017	83.603 236k	256k	40k	25k	0.941		16	
12639 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	24.752	13	1	0	0.223	498.059	0.017	68.051 196k	208k	40k	27k	0.963		19	
12640 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	37.278	13	1	0	0.223	500.089	0.017	134.673 379k	413k	60k	35k	0.957		32	
12641 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	21.438	13	1	0	0.223	505.916	0.017	10.747 31k	33k	7k	5k	0.905		2	
12642 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	33.148	13	1	0	0.223	500.46	0.017	119.06 337k	365k	57k	35k	0.958		32	
12643 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	31.362	13	1	0	0.221	494.261	0.017	111.445 317k	342k	56k	35k	0.96		20	
12644 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	36.731	13	1	0	0.223	497.764	0.017	132.294 372k	405k	60k	35k	0.942		31	
12645 Prod	LH2		9.173	7.913	5.505	0.968	-58.535	35.199	13	1	0	0.223	498.91	0.017	134.447 379k	412k	62k	38k	0.941		36	

12646 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.618	13	1	0	0.224	502.557	0.017	132.404	373k	406k	60k	36k	0.953	29
12647 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.58	13	1	0	0.223	499.834	0.017	112.264	318k	344k	55k	34k	0.941	22
12648 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.985	13	1	0	0.223	501.245	0.017	125.782	354k	386k	58k	34k	0.95	26
12649 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.48	13	1	0	0.223	499.879	0.017	127.606	359k	391k	59k	35k	0.945	30

Run Type	Target	EBeam_P	SHMS_SHMS	SHMS_P_HMS	MS	Theta_H	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
12650 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.346	13	1	0	0.224	499.85	0.017	132.809	374k	407k	59k	35k	0.942	21
12651 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.312	13	1	0	0.223	499.203	0.017	136.561	382k	418k	59k	34k	0.961	33
12652 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.455	13	1	0	0.222	498.257	0.017	125.207	352k	383k	58k	35k	0.945	18
12653 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.582	13	1	0	0.223	498.269	0.017	133.776	377k	410k	61k	37k	0.958	28
12654 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	13.936	13	1	0	0.216	480.296	0.017	49.276	150k	150k	45k	36k	0.94	9
12656 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	34.753	11	1	0	0.143	87.669	0.011	70.913	133k	159k	22k	20k	0.963	1 Dummy
12657 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	33.062	11	1	0	0.142	87.111	0.011	62.423	118k	140k	20k	19k	0.991	0 Dummy
12658 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.092	13	1	0	0.221	496.558	0.017	118.803	334k	363k	57k	35k	0.955	26
12659 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.379	13	1	0	0.223	501.5	0.017	137.355	384k	421k	62k	36k	0.953	32
12661 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.734	13	1	0	0.222	498.957	0.017	88.454	250k	271k	45k	28k	0.94	17
12662 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.232	13	1	0	0.221	497.887	0.017	75.946	213k	232k	38k	24k	0.945	21
12663 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.944	13	1	0	0.223	501.559	0.017	151.118	421k	462k	66k	38k	0.956	49
12664 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.66	13	1	0	0.221	498.365	0.017	131.252	366k	402k	59k	35k	0.944	27
12665 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.137	13	1	0	0.221	497.846	0.017	141.195	393k	432k	62k	36k	0.941	27
12666 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.644	13	1	0	0.22	495.713	0.017	141.338	393k	431k	61k	36k	0.95	33
12667 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.706	13	1	0	0.22	494.616	0.017	140.357	391k	428k	61k	36k	0.949	29
12668 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.032	13	1	0	0.219	492.85	0.017	115.958	323k	353k	53k	33k	0.947	24
12669 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.907	13	1	0	0.218	492.098	0.017	124.525	348k	380k	59k	36k	0.952	31
12670 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.042	13	1	0	0.22	493.863	0.017	134.563	374k	410k	58k	34k	0.948	31
12671 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.914	13	1	0	0.217	485.668	0.017	93.976	267k	285k	51k	35k	0.939	22
12672 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.229	13	1	0	0.217	486.39	0.017	124.226	347k	377k	56k	35k	0.956	29
12674 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.292	13	1	0	0.218	488.183	0.017	43.455	121k	132k	19k	11k	0.96	18
12676 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.009	13	1	0	0.217	486.485	0.017	106.555	301k	323k	55k	36k	0.964	27
12677 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.754	13	1	0	0.22	497.247	0.017	117.341	328k	359k	55k	34k	0.946	28
12678 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	21.228	13	0	-1	0.219	493.249	0.017	28.15	163k	86k	18k	13k	0.949	4
12679 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	28.188	11	0	0	0.14	86.493	0.011	101.33	386k	226k	38k	36k	0.995	5
12680 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.767	13	0	-1	0.22	495.187	0.017	92.695	521k	282k	47k	31k	0.948	15
12681 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.509	13	1	0	0.218	492.067	0.017	117.5	330k	358k	59k	38k	0.952	30
12682 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.37	13	1	0	0.221	501.235	0.017	145.226	401k	444k	63k	36k	0.947	37
12683 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.211	13	1	0	0.22	499.538	0.017	127.828	355k	391k	58k	35k	0.943	35
12684 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.813	13	1	0	0.22	497.602	0.017	57.86	164k	177k	32k	21k	0.933	13
12688 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.572	13	1	0	0.219	497.934	0.017	132.387	366k	405k	59k	36k	0.934	24
12691 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.685	13	1	0	0.219	498.171	0.017	131.627	364k	402k	59k	35k	0.951	27
12692 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.137	13	1	0	0.219	496.683	0.017	129.966	360k	396k	60k	36k	0.958	33
12693 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.146	13	1	0	0.219	495.894	0.017	104.292	292k	318k	54k	35k	0.956	31
12694 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.218	13	1	0	0.217	495.089	0.017	125.802	348k	384k	59k	36k	0.95	36
12695 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.671	13	1	0	0.218	493.946	0.017	132.688	367k	404k	60k	36k	0.954	26
12696 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.866	13	1	0	0.217	492.276	0.017	115.147	323k	351k	60k	39k	0.941	24
12697 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.959	13	1	0	0.218	496.044	0.017	119.351	332k	364k	58k	37k	0.944	26
12698 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.362	13	1	0	0.214	483.971	0.017	107.597	300k	327k	54k	35k	0.96	18
12699 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.255	13	1	0	0.216	490.114	0.017	107.21	300k	327k	57k	38k	0.954	17 pions
Run Type	Target	EBeam_P	SHMS_SHMS	SHMS_P_HMS	MS	Theta_H	Current	PS1	PS4	PS5	HMS_Rate	SHMS_Rate	Coin_Rate	Charge	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
12700 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.707	13	1	0	0.217	493.985	0.017	124.002	344k	379k	58k	36k	0.947	31 pions
12701 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.628	13	1	0	0.218	495.337	0.017	131.28	362k	400k	59k	35k	0.955	24 pions
12702 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.013	13	1	0	0.22	500.725	0.017	107.556	296k	329k	46k	27k	0.948	SHMS Q2 interlock at end of run
12703 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.747	13	1	0	0.218	497.445	0.017	132.12	366k	405k	60k	36k	0.952	30 pions
12704 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.662	13	1	0	0.219	499.384	0.017	134.035	370k	411k	59k	35k	0.95	30 pions
12705 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.432	13	1	0	0.218	495.493	0.017	137.513	380k	420k	60k	36k	0.947	28 pions
12706 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.351	13	1	0	0.22	499.794	0.017	144.108	397k	440k	62k	36k	0.956	28
12707 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.583	13	1	0	0.219	500.355	0.017	137.303	377k	420k	59k	34k	0.959	40
12708 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.589	13	1	0	0.219	498.796	0.017	138.338	382k	422k</				

12711 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.271	13	1	0	0.218	496.266	0.017	136.493 378k	417k	64k	39k	0.95	35
12712 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.045	13	1	0	0.218	495.201	0.017	133.419 367k	406k	58k	34k	0.94	27
12713 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.398	13	1	0	0.217	490.589	0.017	131.6 363k	400k	58k	35k	0.951	21
12714 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.551	13	1	0	0.216	487.216	0.017	116.757 324k	354k	56k	35k	0.96	36
12715 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.071	13	1	0	0.219	496.055	0.017	136.698 377k	416k	61k	36k	0.956	39
12716 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.699	13	0	-1	0.22	501.367	0.017	131.513 723k	402k	57k	33k	0.949	34
12717 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.647	13	1	0	0.219	498.618	0.017	128.95 356k	393k	58k	35k	0.949	21
12718 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.777	13	1	0	0.22	500.096	0.017	135.711 374k	414k	60k	35k	0.946	30
12719 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.869	13	1	0	0.217	492.809	0.017	100.667 282k	306k	53k	35k	0.961	17
12720 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.467	13	1	0	0.217	494	0.017	109.774 305k	334k	54k	34k	0.953	24
12721 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	35.997	11	1	0	0.139	87.209	0.011	130.846 241k	293k	39k	36k	0.962	2
12723 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.235	13	1	0	0.219	496.842	0.017	133.627 368k	406k	59k	35k	0.946	21
12724 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.092	13	1	0	0.22	499.64	0.017	153.661 423k	468k	67k	40k	0.957	41
12725 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.984	13	1	0	0.219	497.44	0.017	126.424 350k	386k	59k	36k	0.946	29
12726 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.924	13	1	0	0.219	496.647	0.017	143.475 395k	437k	63k	37k	0.944	40
12727 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.286	13	1	0	0.219	497.014	0.017	139.104 383k	423k	62k	37k	0.949	37
12728 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.793	13	1	0	0.218	495.596	0.017	130.859 361k	398k	59k	35k	0.954	23
12729 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.701	13	1	0	0.215	486.449	0.017	128.932 358k	392k	62k	39k	0.955	18
12730 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.483	13	1	0	0.22	498.616	0.017	136.009 374k	413k	58k	34k	0.952	34
12731 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.353	13	1	0	0.218	493.244	0.017	132.537 365k	402k	58k	35k	0.954	36
12732 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.08	13	1	0	0.219	498.036	0.017	84.024 236k	256k	46k	31k	0.944	25
12733 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.631	13	1	0	0.219	497.402	0.017	137.72 379k	419k	61k	36k	0.959	36
12734 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.241	13	1	0	0.219	494.794	0.017	128.232 355k	389k	59k	36k	0.952	26
12735 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.61	13	1	0	0.218	493.357	0.017	128.215 354k	389k	58k	35k	0.947	19
12736 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.123	13	1	0	0.216	488.91	0.017	121.109 335k	367k	56k	35k	0.959	24
12737 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.93	13	1	0	0.216	486.969	0.017	124.796 345k	377k	57k	35k	0.946	23
12738 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.295	13	1	0	0.218	493.162	0.017	135.001 372k	409k	60k	37k	0.952	31
12739 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.637	13	1	0	0.217	491.304	0.017	26.402 73k	80k	12k	7k	0.937	3
12740 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	19.025	13	1	0	0.219	497.932	0.017	60.201 174k	183k	43k	32k	0.946	19
12742 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.28	13	1	0	0.22	499.205	0.017	137.507 377k	416k	61k	36k	0.951	31
12741 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	20.017	13	1	0	0.189	414.821	0.016	64.514 186k	192k	43k	32k	0.948	9
12743 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.219	13	1	0	0.219	494.995	0.017	129.954 358k	393k	59k	35k	0.954	25
12744 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.591	13	1	0	0.219	494.556	0.017	98.266 275k	297k	53k	35k	0.96	16
12746 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	13.097	13	1	0	0.212	476.781	0.017	46.78 141k	141k	45k	37k	0.935	9
12747 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	12.027	13	1	0	0.213	478.816	0.017	23.188 71k	70k	24k	20k	0.963	6
12748 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	10.39	13	1	0	0.206	461.671	0.016	13.689 43k	41k	16k	14k	0.936	5
12749 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	5.219	13	1	0	0.208	470.319	0.017	4.351 16k	13k	10k	9k	0.947	0

Run	Type	Target	EBeam	P_SHMS	SHMS	Theta_P	Theta_H	MS	Current	PS1	PS4	PS5	HMS_Rate_	SHMS_Rate_	Coin_Rate_	Charge_	Raw_	Raw_	Raw_	SHMS_Hadron_	Comments
													(kHz)	(kHz)	(kHz)	(mC)	HMS	SHMS	oin	Tracking	
12750 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	16.244	13	1	0	0.212	478.076	0.017	59.855 176k	181k	48k	37k	0.954	12		
12752 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	6.551	13	1	0	0.133	260.758	0.013	22.271 77k	61k	40k	37k	0.973	2		
12753 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	8.294	13	1	0	0.204	457.69	0.016	19.22 63k	58k	28k	25k	0.946	5		
12754 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	17.021	13	1	0	0.207	463.481	0.016	55.954 163k	168k	43k	33k	0.971	13		
12755 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.112	13	1	0	0.217	492.362	0.017	129.918 358k	393k	59k	36k	0.956	36		
12756 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	20.91	13	1	0	0.214	483.471	0.017	71.814 205k	217k	47k	34k	0.944	18		
12757 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	22.504	13	1	0	0.211	472.532	0.016	99.092 281k	297k	61k	44k	0.958	24		
12759 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.775	13	1	0	0.219	493.014	0.017	5.638 16k	17k	2k	1k	0.976 0 - Mode10 Run			
12758 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.117	13	1	0	0.215	485.067	0.017	168.775 461k	508k	72k	42k	0.948	29		
12760 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.939	13	1	0	0.215	484.761	0.017	134.807 371k	406k	63k	39k	0.959	33		
12762 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.225	13	1	0	0.216	488.632	0.017	125.083 345k	378k	59k	37k	0.946	29		
12763 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.352	13	1	0	0.217	494.222	0.017	115.195 318k	349k	54k	34k	0.954	26		
12764 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.398	13	1	0	0.218	498.157	0.017	141.01 386k	428k	62k	37k	0.946	32		
12765 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.467	13	1	0	0.218	494.259	0.017	120.465 332k	365k	57k	35k	0.959	21		
12766 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.384	13	1	0	0.217	491.099	0.017	150.671 411k	455k	65k	39k	0.945	38		
12767 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.693	13	1	0	0.216	489.961	0.017	124.712 343k	376k	57k	35k	0.954	22		
12773 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.306	13	1	0	0.213	484.038	0.017	81.754 226k	245k	45k	31k	0.945	14		
12774 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.285	13	1	0	0.209	476.411	0.016	98.179 273k	296k	54k	37k	0.947	17		
12775 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.932	13	1	0	0.209	476.561	0.016	98.956 271k	297k	49k	33k	0.961	22		
12776 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.904	13	1	0	0.212	483.809	0.016	128.096 346k	385k	54k	32k	0.95	39		
12777 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.024	13	1	0	0.209	477.58	0.016	108.985 298k	328k	54k	36k	0.953	20		

12778 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.844	13	1	0	0.211	482.952	0.017	123.109 335k	371k	57k	36k	0.949	28
12779 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	23.068	13	1	0	0.208	474.342	0.016	79.365 222k	239k	48k	34k	0.963	26
12780 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.5	13	1	0	0.211	483.525	0.017	111.983 306k	338k	55k	35k	0.95	30
12781 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	25.624	13	1	0	0.21	481.215	0.016	89.167 247k	269k	50k	35k	0.951	23
12782 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	32.82	11	1	0	0.135	85.053	0.011	116.947 213k	259k	38k	36k	0.98	1
12783 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	36.304	11	1	0	0.137	86.285	0.011	127.481 231k	283k	38k	35k	0.968	2
12784 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.427	13	1	0	0.213	489.388	0.017	120.2 327k	363k	56k	35k	0.957	30
12789 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	8.567	13	1	0	0.149	314.148	0.014	33.365 106k	94k	46k	41k	0.968 5 pi-n events	
12791 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	20.565	13	1	0	0.193	437.492	0.015	53.094 147k	156k	34k	26k	0.961	14
12792 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	4.542	13	1	0	0.132	268.849	0.013	16.455 62k	45k	43k	41k	0.961	5
12793 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	7.156	13	1	0	0.132	238.719	0.012	16.438 54k	40k	26k	24k	0.956	4
12794 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.254	13	1	0	0.191	430.218	0.016	105.515 284k	309k	52k	36k	0.943	25
12795 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	15.088	13	1	0	0.151	294.685	0.013	54.52 156k	141k	42k	37k	0.96	13
12796 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	20.475	13	1	0	0.164	339	0.013	72.907 201k	197k	44k	36k	0.962	24
12797 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	11.502	13	1	0	0.128	235.739	0.012	38.747 115k	95k	38k	35k	0.964	9
12798 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	24.418	13	1	0	0.186	415.874	0.015	55.262 150k	160k	31k	23k	0.964	10
12799 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	23.223	13	1	0	0.174	390.605	0.015	83.655 229k	245k	49k	36k	0.962	25

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_ HMS	Raw_ SHMS	Raw_ Coin	EDTM	SHMS_Hadron_ Tracking	Comments
12800 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.72	13	1	0	0.205	481.883	0.016	124.15 329k	375k	56k	35k	0.952	25	
12801 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.172	13	1	0	0.209	492.375	0.017	136.032 358k	411k	58k	35k	0.946	30	
12802 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.623	13	1	0	0.208	491.227	0.017	133.901 353k	405k	58k	35k	0.942	41	
12803 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.748	13	1	0	0.205	483.151	0.016	97.674 262k	295k	50k	34k	0.951	23	
12804 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.361	13	1	0	0.193	443.576	0.016	99.95 270k	297k	52k	36k	0.955	30	
12805 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	25.711	13	1	0	0.191	433.408	0.015	94.667 257k	278k	51k	37k	0.959	27	
12806 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.353	13	1	0	0.196	448.782	0.016	127.138 337k	374k	57k	38k	0.957	35	
12807 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.721	13	1	0	0.197	450.458	0.016	126.933 336k	373k	55k	35k	0.955	18	
12808 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.257	13	1	0	0.196	446.611	0.016	126.137 334k	370k	56k	36k	0.964	26	
12809 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.326	13	1	0	0.197	448.194	0.016	118.947 315k	349k	53k	34k	0.95	29	
12810 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.349	13	1	0	0.195	445.066	0.015	130.901 346k	384k	57k	37k	0.945	37	
12811 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	19.048	13	1	0	0.184	412.83	0.015	63.262 176k	184k	43k	33k	0.958	18	
12812 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.975	13	1	0	0.189	427.876	0.015	101.021 270k	294k	50k	35k	0.95	27	
12813 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	21.572	13	1	0	0.187	422.161	0.015	76.798 210k	223k	47k	36k	0.967	19	
12814 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.001	13	1	0	0.18	393.265	0.014	73.85 198k	208k	36k	26k	0.955	12	
12815 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	4.416	13	1	0	0.131	84.274	0.01	5.527 16k	3k	14k	14k	1	0	
12816 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	26.656	13	1	0	0.131	83.801	0.011	101.927 186k	56k	40k	38k	0.994	0	
12817 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.553	13	1	0	0.204	473.335	0.016	109.596 293k	327k	53k	35k	0.941	23	
12818 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.277	13	1	0	0.203	473.28	0.016	107.057 286k	322k	52k	34k	0.947	22	
12819 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.729	13	1	0	0.208	486.709	0.016	127.546 339k	385k	57k	35k	0.957	31	
12820 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.106	13	0	-1	0.207	484.474	0.016	120.648 641k	364k	53k	33k	0.95	29	
12821 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.739	13	1	0	0.198	447.937	0.016	119.928 321k	352k	53k	35k	0.958	36	
12823 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.879	13	1	0	0.161	324.882	0.013	97.357 264k	259k	45k	34k	0.967	24	
12822 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	24.034	13	1	0	0.161	325.743	0.013	85.713 235k	229k	45k	35k	0.959	28	
12824 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	16.389	13	1	0	0.127	240.3	0.012	30.452 87k	77k	22k	19k	0.952	8	
12825 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.773	13	1	0	0.21	490.458	0.017	137.616 365k	416k	58k	35k	0.951	39	
12826 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.519	13	1	0	0.21	491.077	0.016	126.446 336k	383k	54k	33k	0.947	38	
12827 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.087	13	1	0	0.209	488.147	0.017	120.629 324k	366k	57k	36k	0.955	33	
12828 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.589	13	1	0	0.204	473.49	0.016	108.953 293k	328k	52k	34k	0.961	37	
12829 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.85	13	1	0	0.198	455.687	0.016	100.955 275k	303k	54k	37k	0.952	32	
12830 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.589	13	1	0	0.208	486.843	0.016	127.922 340k	387k	55k	33k	0.956	33	
12831 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.97	13	1	0	0.208	484.966	0.016	124.588 333k	377k	56k	35k	0.954	21	
12832 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.54	13	1	0	0.206	476.463	0.016	101.219 274k	305k	52k	35k	0.959	20	
12833 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.85	13	1	0	0.21	488.701	0.016	130.384 348k	394k	57k	35k	0.951	25	
12834 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.54	13	1	0	0.208	486.526	0.017	131.223 350k	397k	58k	35k	0.945	33	
12835 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.323	13	1	0	0.209	489.176	0.016	56.189 152k	170k	28k	19k	0.955 yes		
12836 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	15.778	13	1	0	0.205	479.878	0.016	43.236 123k	130k	35k	28k	0.953	5	
12837 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	20.414	13	1	0	0.207	480.917	0.016	65.484 180k	195k	43k	32k	0.956 14 pions		
12838 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.969	13	1	0	0.198	464.778	0.016	117.24 310k	350k	58k	39k	0.958	14	
12839 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.957	13	1	0	0.204	482.859	0.016	90.937 241k	273k	46k	31k	0.953	22	
12840 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	31.668	13	1	0	0.129	83.838	0.011	128.655 227k	71k	43k	41k	0.98	1	

12842 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.018	13	1	0	0.204	485.767	0.016	117.706	306k	354k	52k	32k	0.952	22
12843 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.793	13	1	0	0.2	477.276	0.016	7.076	18k	21k	3k	2k	0.965	FADC run
12844 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.417	13	1	0	0.205	487.527	0.016	137.984	358k	415k	58k	35k	0.955	26
12845 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.106	13	1	0	0.204	486.352	0.016	164.03	427k	493k	72k	45k	0.959	48
12846 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.974	13	1	0	0.203	482.401	0.016	130.152	338k	391k	55k	34k	0.952	37
12847 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.77	13	1	0	0.205	484.59	0.016	141.114	366k	423k	59k	36k	0.958	33
12848 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	23.582	13	1	0	0.194	456.209	0.016	98.322	264k	294k	58k	42k	0.953	23

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Theta	Theta_H	Current	PS1	PS4	PS5	HMS_Rate_	SHMS_Rate_	Coin_Rate_	Charge_Raw_	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_	Tracking	Comments
12850 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.614	13	1	0	0.205	486.272	0.016	149.623	389k	450k	63k	38k	0.965	34		
12853 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.238	13	1	0	0.204	481.401	0.016	130.984	343k	392k	57k	36k	0.948	26		
12854 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.722	13	1	0	0.204	482.136	0.016	146.262	383k	440k	66k	41k	0.958	29		
12855 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	6.481	13	1	0	0.204	484.494	0.016	11.046	37k	33k	20k	19k	0.959	9		
12856 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.744	13	1	0	0.205	479.823	0.016	115.778	307k	348k	55k	36k	0.948	18		
12857 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.929	13	1	0	0.206	486.967	0.016	127.851	336k	385k	56k	35k	0.961	26		
12858 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.574	13	1	0	0.206	486.384	0.016	128.213	336k	384k	57k	35k	0.951	28		
12859 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.662	13	1	0	0.204	476.269	0.016	116.985	310k	350k	56k	36k	0.949	29		
12860 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.176	13	1	0	0.206	486.19	0.016	133.458	350k	401k	57k	35k	0.959	34		
12861 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.585	13	1	0	0.206	485.296	0.016	133.351	350k	401k	59k	37k	0.946	36		
12862 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.097	13	1	0	0.205	481.751	0.016	83.428	224k	250k	46k	32k	0.953	14		
12863 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	30.715	11	0	0	0.132	85.404	0.011	140.282	500k	311k	48k	46k	0.995	1		
12864 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.358	13	1	0	0.206	485.866	0.016	143.825	375k	432k	60k	36k	0.952	26		
12865 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.224	13	1	0	0.205	483.953	0.016	137.981	362k	415k	61k	39k	0.945	30		
12866 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.135	13	1	0	0.206	484.191	0.016	167.123	440k	502k	73k	45k	0.957	44		
12867 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.591	13	1	0	0.205	481.99	0.016	136.136	357k	408k	59k	37k	0.954	31		
12868 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.071	13	1	0	0.205	482.385	0.016	137.911	361k	415k	59k	37k	0.962	33		
12869 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.668	13	1	0	0.206	484.107	0.016	155.973	408k	469k	65k	40k	0.956	38		
12870 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.1	13	1	0	0.206	483.931	0.016	139.418	366k	418k	60k	37k	0.96	36		
12872 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.528	13	1	0	0.202	470.05	0.016	72.269	194k	216k	39k	27k	0.959	20		
12873 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	23.279	13	1	0	0.197	457.038	0.016	42.908	117k	128k	25k	18k	0.959	10		
12874 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.754	13	1	0	0.201	470.141	0.016	10.751	29k	32k	5k	3k	0.939	1 pion		
12875 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	25.32	13	1	0	0.203	473.308	0.016	81.364	219k	243k	45k	32k	0.952	28 pions		
12876 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.531	13	1	0	0.206	484.492	0.016	140.659	369k	423k	59k	36k	0.961	29 pions		
12877 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.929	13	1	0	0.2	468.647	0.016	120.001	318k	360k	57k	37k	0.937	20		
12878 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.811	13	1	0	0.206	484.973	0.016	138.313	362k	415k	59k	36k	0.951	38 pions		
12879 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.777	13	1	0	0.202	473.411	0.016	122.213	322k	367k	54k	34k	0.946	24 pions		
12881 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.466	13	1	0	0.205	479.296	0.016	128.074	338k	383k	58k	37k	0.947	31		
12882 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.394	13	1	0	0.205	481.792	0.016	138.919	364k	416k	59k	37k	0.945	33		
12883 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.307	13	1	0	0.206	483.769	0.016	137.894	361k	413k	59k	36k	0.951	36		
12884 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.793	13	1	0	0.205	480.328	0.016	128.39	338k	385k	58k	36k	0.947	40		
12885 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.117	13	1	0	0.206	485.377	0.016	167.409	438k	504k	70k	42k	0.957	40		
12886 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.748	13	1	0	0.205	481.003	0.016	130.025	342k	390k	57k	36k	0.949	34		
12887 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.002	13	1	0	0.205	482.087	0.016	137.558	360k	411k	59k	37k	0.947	37		
12888 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.595	13	1	0	0.206	486.228	0.016	134.978	353k	405k	58k	35k	0.963	45		
12889 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.523	13	1	0	0.205	481.356	0.016	136.43	359k	409k	60k	38k	0.956	26		
12890 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.632	13	1	0	0.206	486.023	0.016	144.758	377k	434k	60k	36k	0.96	38		
12891 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.049	13	1	0	0.205	480.838	0.016	142.02	372k	425k	61k	38k	0.953	35		
12892 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.677	13	1	0	0.205	483.399	0.016	107.508	285k	322k	52k	35k	0.954	29		
12893 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.723	13	1	0	0.205	478.528	0.016	132.041	347k	394k	57k	35k	0.948	36		
12894 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.97	13	1	0	0.205	481.063	0.016	163.503	427k	489k	68k	41k	0.947	46		
12895 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	35.811	13	1	0	0.131	84.324	0.011	133.515	235k	74k	40k	37k	0.972	1		
12896 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.058	13	1	0	0.204	475.81	0.016	110.155	293k	328k	54k	36k	0.963	21		
12897 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.587	13	1	0	0.203	472.75	0.016	113.968	303k	340k	57k	38k	0.967	20		
12898 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.843	13	1	0	0.205	479.374	0.016	137.728	362k	413k	60k	38k	0.958	32		
12899 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.932	13	1	0	0.205	478.17	0.016	114.888	306k	344k	57k	38k	0.947	32		
12900 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.889	13	1	0	0.206	483.632	0.016	132.284	348k	396k	58k	36k	0.955	49		
12901 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.079	13	1	0	0.205	479.587	0.016	126.327	332k	377k	55k	34k	0.948	33		
12902 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.642	13	1	0	0.204	478.974	0.016	125.08	328k	374k	55k	35k	0.965	36		



12903 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.116	13	0	-1	0.523	478.983	0.33	120.204	1763k	359k	1170k	1148k	0.955	35
12904 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.463	13	1	0	0.525	483.919	0.331	120.602	879k	363k	1162k	1142k	0.952	35
12905 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.12	13	1	0	0.519	467.316	0.33	42.708	335k	128k	456k	450k	0.969	13
12906 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.282	13	1	0	0.204	478.119	0.016	146.396	385k	438k	68k	44k	0.954	43
12907 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.649	13	1	0	0.202	475.386	0.016	117.11	307k	349k	53k	34k	0.945	31
12908 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.128	13	1	0	0.204	480.738	0.016	140.746	367k	422k	59k	36k	0.958	25
12909 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.27	13	1	0	0.204	481.668	0.016	136.828	357k	410k	58k	35k	0.958	32
12910 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.603	13	1	0	0.206	483.96	0.016	185.055	484k	555k	79k	48k	0.951	46
12911 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.87	13	1	0	0.204	479.497	0.016	116.31	305k	349k	51k	32k	0.949	29
12912 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.011	13	1	0	0.203	477.673	0.016	118.874	312k	356k	54k	34k	0.95	26
12913 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.637	13	1	0	0.205	481.496	0.016	128.657	337k	385k	55k	34k	0.962	25
12914 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.182	13	1	0	0.205	482.229	0.016	75.421	199k	225k	36k	24k	0.947	24
12915 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.817	13	1	0	0.205	488.109	0.016	129.486	336k	389k	55k	34k	0.951	27
12916 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.276	13	1	0	0.205	485.599	0.016	130.06	339k	390k	56k	34k	0.95 35 pions	
12917 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.834	13	1	0	0.207	488.875	0.016	144.844	376k	434k	59k	36k	0.955 28 pions	
12918 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.813	13	1	0	0.206	489.969	0.016	141.244	367k	425k	58k	35k	0.944 45 pions	
12919 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.291	13	1	0	0.206	489.964	0.016	155.351	404k	467k	66k	40k	0.955 43 pions	
12920 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.496	13	1	0	0.206	485.069	0.016	120.773	316k	362k	54k	33k	0.952	29
12924 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.405	13	1	0	0.206	489.253	0.016	138.689	360k	417k	58k	35k	0.954 35 pions	
12925 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.385	13	1	0	0.204	482.294	0.016	129.663	339k	388k	57k	36k	0.955 25 pions	
12926 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.554	13	1	0	0.204	480.898	0.016	144.981	379k	433k	65k	41k	0.952	28
12927 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.73	13	1	0	0.205	484.93	0.016	44.738	117k	134k	20k	12k	0.944	13
12928 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	34.003	13	1	0	0.131	85.649	0.011	121.393	213k	67k	38k	36k	0.97	3
12930 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	35.282	13	1	0	0.13	84.394	0.011	129.456	226k	71k	39k	37k	0.985	0
12931 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.439	13	1	0	0.205	485.924	0.016	141.475	367k	424k	59k	35k	0.958	37
12932 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.08	13	1	0	0.206	488.153	0.016	140.084	363k	420k	58k	35k	0.954	35
12933 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.872	13	1	0	0.205	486.057	0.016	135.48	352k	406k	57k	35k	0.962	33
12934 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	24.391	13	1	0	0.2	468.891	0.016	78.288	209k	233k	45k	32k	0.961	18
12935 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.825	13	1	0	0.201	473.907	0.016	134.733	350k	401k	58k	36k	0.947	37
12936 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.126	13	1	0	0.204	483.318	0.016	161.573	420k	485k	68k	42k	0.957	42
12937 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.986	13	1	0	0.204	482.094	0.016	126.845	329k	379k	55k	35k	0.956	31
12938 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.662	13	1	0	0.204	482.053	0.016	130.252	339k	390k	56k	34k	0.96	38
12939 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.08	13	1	0	0.205	485.187	0.016	145.321	376k	435k	62k	37k	0.952	34
12940 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.492	13	1	0	0.203	479.245	0.016	123.155	321k	366k	55k	35k	0.949	30
12941 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.89	13	1	0	0.204	482.647	0.016	121.803	318k	364k	54k	34k	0.942	35
12942 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.677	13	1	0	0.205	488.364	0.016	137.6	356k	414k	58k	35k	0.958	25
12943 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.211	13	1	0	0.204	486.306	0.016	137.202	355k	412k	58k	35k	0.953	29
12944 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.295	13	1	0	0.206	486.972	0.016	133.807	348k	400k	57k	35k	0.96 31 pions	
12945 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.783	13	1	0	0.205	488.621	0.016	137.481	356k	413k	57k	35k	0.947 38 pions	
12946 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.481	13	1	0	0.204	486.132	0.016	132.404	343k	397k	56k	35k	0.952 36 pions	
12947 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.088	13	1	0	0.205	484.119	0.016	129.117	337k	387k	57k	35k	0.945 29 pions	
12948 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	23.46	13	1	0	0.198	465.346	0.016	83.16	223k	247k	49k	36k	0.954	24
12949 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.988	13	1	0	0.206	485.403	0.016	136.04	355k	408k	58k	35k	0.947 23 pions	

Run Type	Target	EBeam	P_SHMS	SHMS	P_HMS	MS	Current	PS1	PS4	PS5	HMS_Rate_ (kHz)	SHMS_Rate_ (kHz)	Coin_Rate_ (kHz)	Charge_ (mC)	Raw_ HMS	Raw_ SHMS	Raw_ oin	EDTM	SHMS_Hadron_ Tracking	Comments
12950 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	30.431	13	1	0	0.205	483.218	0.016	107.443	283k	322k	53k	35k	0.946	30
12951 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.279	13	1	0	0.205	484.747	0.016	135.058	352k	404k	60k	38k	0.945	29
12952 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	37.405	13	1	0	0.132	85.499	0.011	134.79	235k	75k	38k	36k	0.978	2
12953 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	30.718	13	1	0	0.13	84.534	0.011	109.873	195k	61k	38k	36k	0.981	0
12954 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.733	13	1	0	0.204	479.582	0.016	135.506	354k	405k	58k	35k	0.959	24
12955 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.017	13	1	0	0.203	479.025	0.016	113.247	298k	339k	54k	35k	0.958	28
12956 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	16.424	13	1	0	0.197	459.455	0.016	74.397	208k	222k	58k	46k	0.947	17
12957 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	21.871	13	1	0	0.198	461.318	0.016	81.49	220k	242k	51k	37k	0.945	13
12958 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	12.398	13	1	0	0.198	461.953	0.016	29.654	86k	88k	30k	25k	0.967	4
12959 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	21.277	13	1	0	0.197	459.777	0.016	40.05	109k	119k	25k	19k	0.952	14
12960 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	26.838	13	1	0	0.197	460.197	0.016	96.389	256k	286k	51k	36k	0.961	28
12962 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	24.432	13	1	0	0.197	460.243	0.016	86.604	232k	257k	50k	35k	0.955	22
12963 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.568	13	1	0	0.2	467.631	0.016	127.527	335k	378k	59k	39k	0.953	28
12964 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.396	13	1	0	0.203	476.81	0.016	119.601	314k	357k	55k	35k	0.959	28
12965 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.02	13	1	0	0.202	475.556	0.016	135.002	350k	402k	57k	35k	0.947	33

12966 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.054	13	1	0	0.199	465.026	0.016	119.603	312k	354k	52k	34k	0.951	29
12967 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.446	13	1	0	0.2	468.938	0.016	133.937	349k	398k	59k	37k	0.959	31
12968 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.733	13	1	0	0.204	480.043	0.016	127.615	335k	381k	59k	38k	0.958	30
12969 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.218	13	1	0	0.201	471.3	0.016	115.027	304k	342k	58k	39k	0.951	19
12970 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.278	13	1	0	0.2	468.719	0.016	119.243	316k	354k	61k	42k	0.945	25
12971 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.775	13	0	-1	0.204	479.645	0.016	121.782	637k	363k	55k	36k	0.949	33
12972 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.256	13	1	0	0.204	479.944	0.016	137.353	357k	409k	58k	36k	0.953	37
12973 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.657	13	1	0	0.204	479.396	0.016	135.953	353k	405k	58k	35k	0.947	20
12974 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	32.306	13	1	0	0.13	84.189	0.011	147.621	260k	81k	48k	46k	0.987	3
12975 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	24.543	13	1	0	0.129	83.469	0.011	61.422	111k	34k	26k	25k	1	1
12976 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	20.599	13	1	0	0.203	475.931	0.016	77.539	211k	230k	51k	38k	0.95	17
12977 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.669	13	1	0	0.203	475.488	0.016	127.473	332k	379k	55k	34k	0.945	23
12978 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	39.672	13	1	0	0.205	484.612	0.016	143.581	372k	429k	59k	35k	0.953	32
12979 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.019	13	1	0	0.203	477.608	0.016	120.77	315k	359k	54k	34k	0.955	35
12980 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.726	13	1	0	0.202	472.102	0.016	124.626	325k	370k	54k	34k	0.951	24
12981 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.452	13	1	0	0.202	472.601	0.016	118.769	312k	353k	55k	36k	0.95	41
12982 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.624	13	1	0	0.203	475.585	0.016	143.771	373k	426k	60k	36k	0.96	30
12983 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.843	13	1	0	0.203	476.615	0.016	129.039	335k	383k	55k	34k	0.961	28
12984 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.274	13	1	0	0.204	478.725	0.016	140.853	366k	419k	60k	37k	0.959	32
12986 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.017	13	1	0	0.203	474.621	0.016	132.71	346k	394k	56k	35k	0.946	27
12987 fADC	LH2	9.173	7.913	5.505	0.968	-58.535	39.336	13	1	0	0.198	461.41	0.016	7.208	19k	21k	3k	2k	0.965	2
12988 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.418	13	1	0	0.2	467.564	0.016	120.678	316k	356k	55k	36k	0.957	33
12989 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.798	13	1	0	0.202	471.947	0.016	133.367	346k	395k	56k	35k	0.942	26
12990 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.451	13	1	0	0.2	467.394	0.016	109.526	291k	324k	57k	40k	0.94	21
12991 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.417	13	1	0	0.202	472.298	0.016	129.134	336k	383k	56k	35k	0.943	28
12992 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	29.152	13	1	0	0.201	472.76	0.016	104.111	274k	309k	52k	35k	0.947	26
12993 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.126	13	1	0	0.204	478.03	0.016	123.96	323k	369k	54k	34k	0.95	24
12994 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.745	13	1	0	0.204	478.698	0.016	96.371	253k	287k	46k	30k	0.946	20
12995 Prod	Dummy10cm	9.173	7.913	5.505	0.968	-58.535	27.93	13	1	0	0.129	83.644	0.011	119.917	214k	66k	45k	43k	0.989	0
12996 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.201	13	1	0	0.2	469.654	0.016	128.915	335k	382k	55k	34k	0.946	21
12997 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.923	13	1	0	0.198	463.624	0.016	118.511	310k	351k	55k	36k	0.958	28
12998 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.199	13	1	0	0.201	470.682	0.016	125.666	327k	373k	55k	35k	0.954	35
12999 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.661	13	1	0	0.2	467.919	0.016	115.903	304k	343k	54k	35k	0.947	24

Run Type	Target	EBeam	Theta_P_SHMS	Theta_SHMS	Theta_H_P_HMS	Theta_H_MS	Current	PS1	PS4	PS5	HMS_Rate (kHz)	SHMS_Rate (kHz)	Coin_Rate (kHz)	Charge (mC)	Raw_HMS	Raw_SHMS	Raw_Coin	EDTM	SHMS_Hadron_Tracking	Comments
13000 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.681	13	1	0	0.202	472.865	0.016	124.918	326k	370k	56k	35k	0.95	36
13001 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.641	13	1	0	0.202	473.296	0.016	160.685	417k	476k	68k	42k	0.952	41
13002 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.23	13	1	0	0.202	472.559	0.016	136.201	355k	404k	59k	37k	0.957	37
13003 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.122	13	1	0	0.201	471.074	0.016	120.442	313k	357k	52k	33k	0.952	27
13004 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.776	13	1	0	0.201	469.873	0.016	119.825	313k	355k	55k	36k	0.955	18
13005 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	31.99	13	1	0	0.198	462.091	0.016	117.423	308k	347k	55k	36k	0.958	35
13006 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	38.598	13	1	0	0.202	470.664	0.016	138.029	358k	408k	57k	35k	0.952	24
13007 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.534	13	1	0	0.199	463.498	0.016	126.446	330k	373k	55k	35k	0.949	39
13008 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	37.384	13	1	0	0.198	459.673	0.016	134.086	348k	394k	56k	35k	0.954	30
13009 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.024	13	1	0	0.195	446.745	0.015	130.595	340k	380k	55k	36k	0.956	38
13010 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.6	13	1	0	0.193	442.146	0.015	123.397	322k	358k	54k	35k	0.949	28
13011 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	24.662	13	1	0	0.192	440.969	0.015	45.541	121k	132k	25k	18k	0.949	16
13012 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.907	13	1	0	0.192	437.729	0.015	100.299	264k	289k	51k	36k	0.942	20
13013 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	18.942	13	1	0	0.189	428.409	0.015	65.682	179k	188k	45k	35k	0.956	11
13014 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.169	13	1	0	0.193	439.338	0.015	114.551	300k	330k	52k	35k	0.958	33
13015 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	20.771	13	1	0	0.192	436.293	0.015	73.41	199k	211k	47k	36k	0.966	20
13017 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.022	13	1	0	0.195	447.847	0.015	60.477	159k	175k	31k	22k	0.953	12
13018 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	25.273	13	1	0	0.192	439.634	0.015	67.307	179k	194k	37k	27k	0.952	18
13019 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	24.153	13	1	0	0.194	449.926	0.016	83.42	221k	243k	48k	35k	0.951	20
13020 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	27.893	13	1	0	0.195	454.787	0.016	96.676	254k	283k	50k	35k	0.959	27
13021 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.286	13	1	0	0.196	455.133	0.016	128.094	332k	373k	58k	38k	0.95	38
13022 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	33.633	13	1	0	0.198	462.336	0.016	115.117	298k	337k	52k	34k	0.954	33
13023 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	32.95	13	1	0	0.197	458.179	0.016	117.86	305k	344k	53k	35k	0.948	32
13024 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.551	13	0	-1	0.194	448.238	0.016	99.166	520k	288k	50k	34k	0.953	20
13026 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	35.323	13	1	0	0.195	452.391	0.016	133.412	344k	388k	57k	37k	0.961	31

13027 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.519	13	1	0	0.196	456.102	0.016	161.667	416k	471k	68k	44k	0.953	42
13028 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.125	13	1	0	0.196	454.789	0.016	136.131	351k	396k	58k	37k	0.958	43
13029 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.974	13	1	0	0.195	454.039	0.016	124.573	321k	362k	54k	35k	0.954	40
13030 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.922	13	1	0	0.196	454.7	0.016	147.648	379k	429k	62k	39k	0.96	35
13031 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.718	13	1	0	0.195	451.174	0.016	124.516	321k	361k	54k	35k	0.957	26
13032 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.678	13	1	0	0.194	448.852	0.016	129.284	333k	375k	56k	37k	0.946	25
13033 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	24.076	13	1	0	0.19	437.172	0.015	88.085	233k	254k	50k	37k	0.96	29
13034 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	36.915	13	1	0	0.195	449.599	0.016	134.1	344k	388k	56k	36k	0.955	43
13035 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.625	13	1	0	0.194	446.213	0.015	123.3	318k	356k	54k	35k	0.956	24
13036 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	34.522	13	1	0	0.193	444.249	0.015	124.281	321k	359k	54k	35k	0.952	37
13037 Prod	LH2	9.173	7.913	5.505	0.968	-58.535	28.1	13	1	0	0.192	440.663	0.015	41.409	108k	119k	21k	15k	0.953	9

Run	Type	Target	Theta_		Theta_H		HMS_Rate_			SHMS_Rate_		Coin_Rate_		Charge_		Raw_		Raw_C		SHMS_Hadron_		Comments
			EBeam	P_SHMS	SHMS	P_HMS	MS	Current	PS1	PS4	PS5	(kHz)	(kHz)	(kHz)	(mC)	HMS	SHMS	oin	EDTM	Tracking		