

## PrimEx production

Beam Energy: 11.6 GeV

Beam current:  $10^{-4} X_0$

Converter: 750  $\mu\text{m}$  Be

Setup: hd\_all.tsg\_ccal\_prod

FCAL inner abs(X) < 40 cm, abs(Y) < 40 cm

Configuration: CCAL\_FCAL\_PS\_m9 (m10)

### Production on Be target

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61321	26-Feb	226	7 ch		0	21	21, 63	6 (11)	(1)
61322		68	7 ch			21	21, 63	6(4)	
61323		212	12 ch			same	same	5(9)	(1)
61325		74	12 ch			same	same	3(4)	
61327		94	12 ch			same	same	4(2)	(1)
61329		215	7 ch			same	bad 21, 55-81	4(4)	
61330		228	3 ch			21	21,63	3(5)	
61331		230	7 ch	77		same	same	3(5)	(1)
61332		218	7 ch			same	same	3(9)	
61333		172	5 ch			same	same	4(7)	(1)
61334		37	5 ch			same	same	5(4)	
61335		113	6 ch			same	same	5(4)	(1)
61336		122	4 ch	77		same	same	5(5)	
61337		86	4 ch	77		same	same	5(4)	(1)
61340		19	4 ch			same	same	5	
61341		143	10 ch			same	same	4(7)	(1)
61342		195	1 ch			82,83,84	same (82,83,84)	5(7)	(1)
61343		179	8 ch			same	same	5(4)	
61344		158	5 ch			same	same	4(4)	
Total		2789							

### Production on He target RUN Period 1

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61462	9-Mar	102	0	(110, 113, 116, 119)	10, 113, 116, 11	21 + (63, 71, 76)	21 + (63, 71, 76)	3(1)	
61465		159	1	s	s	s	s		
61466		147	1	s	s	s	s		
61467		175	0	s	s	s	s		
61468		173	0	s	s	s	s		
61469		168	2	s	s	s	s		
61470		171	0	s	s	s	s		
61471		166	0	s	s	s	s		
61472		171	0	s	s	s	s		
61473		168	1	s	s	s	s		

61474		67	1	s + 77 (4 ns)	s	s	s		
61475		40	1	s + 77 (4 ns)	s	s	s		
61476		178	1	s	s	s	s		
61477		172	0	s	s	s	s		
61478		168	0	s	s	s	s		
61479		186	1	s + 77 (4 ns)	s	s	s		
61480		104	1	s	s	s	s		
61481		15	1	s	s	s	s		
61482		201	0	s	s	s	s		
61483		175	0	s	s	s	s	3(6)	(1)
61484		189	0	s	s	s	s	3(2)	
61485		176	0	s	s	s	s	3(5)	1 (c = -5 r = 8)
61486		176	0	s	s	s	s	3(6)	1
61487		133	0	s	s	s	s	4(4)	1
61488		158	0	s + 77 (4 ns)	s	s	s	3(3)	1
61489		173	1	s + 77 (4 ns)	s	s	s	4(3)	1
61490		159	0	s	s	s	s	3(2)	1
61491		166	0	s	s	s	s	4(6)	1
61493		181	0	s	s	s	s	5(3)	1
61494		169	1	s	s	s	s	5(8)	1
61495		179	0	s	s	s	s	7(7)	1
61496		159	0	s + 77 (4 ns)	s	s	s	3(3)	1
61497		146	1	s	s	s	s	4(5)	1
61498		176	1	s	s	s	s	6(7)	2 (-5,8; -6,-4)
61499		160	0	s	s	s	s	5(6)	2
61500		173	0	s	s	s	s	6(5)	2
61501		175	0	s	s	s	s	5(1)	2
61502		173	0	s	s	s	s	6(1)	2
61503		82	0	s	s	s	s	5(3)	1 (-6,-4)
61504		92	0	s	s	s	s	4(4)	1 (-6,-4)
61505		72	0	s	s	s	s	4(3)	1
61506		143	0	s	s	s	s	4(5)	1
61507		34	0	s	s	s	s	5(1)	2(-6,-4; -5,8)
61508		133	1	s	s	s	s	4(6)	
61509		175	0	s	s	s	s	5(5)	1(-5,8)
61510		174	0	s	s	s	s	5(3)	1
61511		176	0	s	s	s	s	4(4)	1 (-5,8)
61512		177	1	s + 77 (4 ns)	s	s	s	3(6)	
61513		118	0	s + 77 (4 ns)	s	s	s	5(4)	1 (-5,8)
61514		160	1	s	s	s	s	3(5)	(1)
61515		172	0	s	s	s	s	4(3)	
61516	14-Mar	50	0	s	s	s	s	2(1)	
61517		165	0	s	s	s	s	3(9)	
61518		167	0	s	s	s	s	2(9)	
61519		158	1	s	s	s	s	3(8)	(1)
61522		105	0	s	s	s	s	3(7)	
61523		126	1	s	s	s	s	4(2)	1 (-5,8)
61524		83	1	s	s	s	s	6(3)	1
61525		103	0	s	s	s	s	5(2)	1

61526		221	1	s	s	s	s	4(7)	1
61527		27	1	s	s	s	s	6	2 (-5,8; -1,3)
61528		87	0	s	s	s	s	6(6)	2(-5,8; 0,2)
61529		176	1	s	s	s	s	6(3)	1 (0,2)
61530		190	1	s	s	s	s	8(5)	1 (0,2)
61531		154	0	s	s	s	s	6(4)	1
61532		159	0	s	s	s	s	9(7)	1
61533		37	0	s	s	s	s	7(1)	2 (-5,8; 0,2)
61534		45	0	s	s	s	s	10	2
61537		120	0	s	s	s	s	8(5)	
61538		47	0	s	s	s	s	5(15)	(1)
61539		44	0	s	s	s	s	5(3)	(1)
61546		160	1	s	s	s	s	7	1 (8, -5)
61547		158	1	s	s	s	s	7(2)	1 (8,-5)
61548		171	1	s	s	s	s	7	1
61549		168	1	s	s	s	s	7(3)	1(1) (-1,-7)
61550		137	1	s	s	s	s	7(2)	
61551		53	1	s	s	s	s	7(1)	
61553		161	2	s	s	s	s	8(3)	1 (8,-5)
61554		167	0	s	s	s	s	8(4)	
61555		158	0	s	s	s	s	8(2)	
61556		160	1	s	s	s	s	8(4)	
61557		151	79					8(3)	
61558		152	0	s	s	s	s	9(4)	
61559		160	1	s	s	s	s	7(5)	
61560		156	1	s	s	s	s	7(3)	
61561		162	0	s	s	s	s	8(6)	
61562		141	0	s	s	s	s	8(4)	
61563		162	0	s	s	s	s	9(7)	
61564		153	0	s	s	s	s	8(7)	
61565		160	1	s	s	s	s	9(3)	
61566		157	1	s	s	s	s	11(3)	
61567		142	1	s	s	s	s	8(4)	
61568	17-Mar	101	0	s	s	s	s	8(4)	

Total 13189

Production on He target RUN Period 2

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61621	21-Mar	56	0	(110, 113, 116, 119)	10, 113, 116, 11	21,63	21, 63 (71,76,100)	4(3)	
61622		128	0	s	s	s	s	4(3)	
61624		159	0	s	s	s	s	7(4)	(1)
61626		159	0	s	s	s	s	6(4)	
61627		162	0	s	s	s	s	6(4)	
61628		60	0	s	s	s	s	7(2)	2 (-3,2; 0,-4)
61629		134	0	s	s	s	s	6(5)	
61630		161	0	s	s	s	s	7(4)	
61631		152	0	s	s	s	s	9(3)	(1)

61632		154	0	s	s	s	s	7(5)	(1)
61634		122	0	s	s	s	s	8(2)	
61635		160	0	s	s	s	s	7(6)	
61636		140	0	s	s	s	s	5(3)	
61637		121	0	s	s	s	s	6(3)	(1)
61638		103	0	s	s	s	s	5(3)	
61639		94	0	s	s	s	s	5(3)	(1)
61640		110	0	s	s	s	s	6(5)	
61642		152	0	s	s	s	s	6(4)	
61643		146	0	s	s	s	s	5(6)	(1)
61644		137	0	s	s	s	s	5(3)	
61645		158	0	s	s	s + 19	s + 19	4(5)	(1)
61646		160	0	s	s	s	s	5(4)	(1)
61647		156	0	s	s	s	s	6(4)	(1)
61648		165	0	s	s	s	s	5(7)	(1)
61649		157	0	s	s	s	s	5(4)	
61650		90	0	s	s	s	s	5(1)	(1)
61651		118	0	s	s	s	s	5(2)	(1)
61652		157	0	s	s	s	s	4(7)	
61654		62	0	s	s	s	s	4(1)	
61655		159	0	s	s	s	s	4(7)	
61656		146	0	s	s	s	s	4(6)	
61657		149	0	s	s	s	s	4(4)	
61658		161	0	s	s	s	s	4(5)	(1)
61659		169	0	s	s	s + 47	s + 47	4(9)	
61660		59	0	s	s	s	s	4(3)	
61661		168	0	s	s	s	s	4(6)	
61662		150	0	s	s	s	s	5(8)	(1)
61663		162	0	s	s	s	s	5(4)	
61664		54	0	s	s	s	s	5(4)	

Total 5210

Production on He target RUN Period 3

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61690	26-Mar	31	0	(113, 116, 119)	3, 116, 119,125	21	21,63 (71,76,100)	5(1)	
61691		140	0	s	s	s	s	7(6)	(1)
61692		157	0	s	s	s	s	7(4)	(1)
61694		165	0	s	s	s	s	5(5)	
61695		117	0	s	s	s	s	6(9)	(1)
61697		176	0	s	s	s	s	5(10)	(2)
61698		162	0	s	s	s	s	5(9)	(1)
61699		172	0	s	s	s	s	5(9)	
61700		19	0	s	s	s	s	6	1 (0,3)
61701		62	0	s	179-201	s	s	5(3)	
61702		151	0	s	s	s	s	5(5)	
61703		96	0	s	s	s	s	5(5)	(1)
61704		110	(no 0 file) 1	s	s	s + 19,47	s + 19,47	5(3)	

61705		149	0	s	s	s	s	4(8)	
61706		143	0	s	s	s	s	5(3)	
61707		117	0	s	s	s	s	5(6)	
61709		95	0	s	s	s + 19, 47	s + 19, 47	6(6)	
61710		82	(no 0 file) 1	s	s	s + 19	s + 19	6(1)	
61711		90	0	s	s	s	s	5(4)	
61712		150	0	s	s	s	s	5(6)	(1)
61713		139	0	s	s	s	s	6(2)	
61715		93	0	s	s	s + 19, 47	s + 19, 47	5(11)	
61717		136	0	s	s	s + 19, 47	s + 19, 47	6(6)	(1)
61718		127	0	s	s	s + 19, 47	s + 19, 47	6(3)	(1)
61719		120	0	s	s	s	s	5(6)	
61720		53	0	s	s	s	s	6(7)	
61722		120	0	s	s	s + 19, 47	s + 19, 47	6(7)	
61723		52	0	s	s	s + 19, 47	s + 19, 47	5(2)	
61727		104	16	s	s	s	s	5(9)	(1)
61728		103	17	s	s	s	s	6(4)	
61729		37	17	s	s	s	s	7(3)	
61731		140	14	s	s	s	s	7(4)	
61732		153	15	s	s	s	s	5(6)	
61734		146	19 (B 102)	s	s	s	s	5(10)	
61735		148	19	s	s	s	s	6(10)	(1)
61736		154	23	s	s	s	s	7(7)	(1)
61737		90	21	s	s	s	s	7(3)	
61738		121	13	s	s	s	s	7(3)	
61739		154	19	s	s	s	s	8(5)	(1)
61740		36	19	s	s	s	s	7(1)	
61741		148	19	s	s	s	s	7(3)	
61742		162	24	s	s	s	s	7(2)	
61743		134	18	s	s	s	s	8(1)	
61744		60	18	s	s	s	s		
61745		124	17	s	s	s	s		
61746		143	14	s	s	s	s	7	
61747		141	28	s	s	s	s		
61748		18	28	s	s	s	s		
61749		118	20	s	s	s	s		
61750		148	19	s	s	s	s		
61751		134	18	s	s	s	s		
61752		137	16 (A120)	s	s	s	s		
61753		123	16	s	s	s	s		
61754		157	19	s	s	s	s		
61755		133	19	s	s	s	s		
61756		75	19	s	s	s	s		
61757		137	22	s	s	s	s		
61758		146	10	s	s	s	s		
61759		140	18	s	s	s	s		
61760		68	18	s	s	s	s		
61763		90	18	s	s	s	s		

Total 7146

Production on He target RUN Period 4

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61774	2-Apr	41	18	110, 113, 116, 119	10, 113, 116, 119	21, 63	21, 63		
61775		181	16	same	same	same, 76 (susp)	same, 76 (susp)		
61777		84	21	same	same	same, 76 (susp)	same, 76 (susp)		
61778		11	21	same	same	same, 76 (susp)	same, 76 (susp)		
61779		158	9	same	same	same, 76 (susp)	same, 76 (susp)		
61780		157	13 (B 47)	same	same	same, 76 (susp)	same, 76 (susp)		
61781		156	21	same	same	same, 76 (susp)	same, 76 (susp)		
61782		142	9	same	same	same, 76 (susp)	same, 76 (susp)		
61783		142	21	same	same	same, 76 (susp)	same, 76 (susp)		
61785		17	21	same	same	same, 76 (susp)	same, 76 (susp)		
61786		127	19	same	same	same, 76 (susp)	same, 76 (susp)		
61788		151	16	same	same	same, 76 (susp)	same, 76 (susp)		
61789		147	16	same	same	same, 76 (susp)	same, 76 (susp)		
61790		148	13	same	same	same, 76 (susp)	same, 76 (susp)		
61791		121	26	same	same	same, 76 (susp)	same, 76 (susp)		
61792		156	20	same	same	same, 76 (susp)	same, 76 (susp)		
61793		149	12	same	same	same, 76 (susp)	same, 76 (susp)		
61794		154	19	same	same	same, 76 (susp)	same, 76 (susp)		
61795		160	10	same	same	same, 76 (susp)	same, 76 (susp)		
61796		161	15	same	same	same, 76 (susp)	same, 76 (susp)		
61797		182	19	same	same	same, 76 (susp)	same, 76 (susp)		
61798		160	17	same	same	same, 76 (susp)	same, 76 (susp)		
61799		73	17	same	same	same, 76 (susp)	same, 76 (susp)		
61800		26	17	same	same	same, 76 (susp)	same, 76 (susp)		
61802		67	17	same	same	same, 76 (susp)	same, 76 (susp)		
61803		165	16	same	same	same, 76 (susp)	same, 76 (susp)		
61804		149	13	same	same	same, 76 (susp)	same, 76 (susp)		
61805		153	13	same	same	same, 76 (susp)	same, 76 (susp)		
61806		74	13	same	same	same, 76 (susp)	same, 76 (susp)		
61807		146	19 (B 21)	same	same	same, 76 (susp)	same, 76 (susp)		
61808		151	19	same	same	same, 76 (susp)	same, 76 (susp)		
61809		153	19	same	same	same, 76 (susp)	same, 76 (susp)		
61810		140	22	same	same	same, 76 (susp)	same, 76 (susp)		
61811		161	18	same	same	same, 76 (susp)	same, 76 (susp)		
61812		165	15	same	same	same, 76 (susp)	same, 76 (susp)		
61813		147	18	same	same	same, 76 (susp)	same, 76 (susp)		
61814		155	18	same	same	same, 76 (susp)	same, 76 (susp)		
61815		88	20	same	same	same, 76 (susp)	same, 76 (susp)		
61816		143	17	same	same	same, 76 (susp)	same, 76 (susp)		
61817		152	18						
61818		175	12	same	same	same, 76 (susp)	same, 76 (susp)		
61821		113	13	same	same	same, 76 (susp)	same, 76 (susp)		
61823		136	17	same	same	same, 76 (susp)	same, 76 (susp)		
61825		134	12	same	same	same, 76 (susp)	same, 76 (susp)		

61826		156	10	same	same	same, 76 (susp)	same, 76 (susp)		
61827		140	16 (B102)	same	same	same, 76 (susp)	same, 76 (susp)		
61828		165	22	same	same	same, 76 (susp)	same, 76 (susp)		
61829		154	11 (crashed)						
61830		142	11	same	same	same, 76 (susp)	same, 76 (susp)		
61831		146	26	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61832		146	12	same	same	same, 76 (susp)	same, 76 (susp)		
61833		150	17	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61834		132	27	same	same	same, 76 (susp)	same, 76 (susp)		
61835		71	27	same	same	same, 76 (susp)	same, 76 (susp)		
61836		140	20	same	same	same, 76 (susp)	same, 76 (susp)		
61837		140	21	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61838		125	10	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61839		39	10	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61840		155	13 (B96)	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61841		175	22	same	same	same, 76 (susp)	same, 76 (susp)		
61842		140	18	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61843		158	14	same	same	same, 76 (susp)	same, 76 (susp)		
61844		153	16	same	same	same, 76 (susp)	same, 76 (susp)		
61845		151	21	same	same	same, 76 (susp)	same, 76 (susp)		
61846		153	20	same + 77	same	same, 76 (susp)	same, 76 (susp)		
61847		145	20	same	same	same, 76 (susp)	same, 76 (susp)		
61848		115	16	same	same	same, 76 (susp)	same, 76 (susp)		
61849		35	16	same	same	same, 76 (susp)	same, 76 (susp)		
61850		59	16	same	same	same, 76 (susp)	same, 76 (susp)		

Total 9056

Production on He target RUN Period 5

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61866		135	12			21	21, 63		
61867		139	14			same	same		
61868		27	13	77		same	same		
61874		140	13	77		same	same		
61875		141	18	77		same	same		
61876		133	18	77		same	same		
61877		41	18			same	same		
61878		130	16			same	same		
61879		165	18			same	same		
61880		133	23			same	same		
61881		92	15	77		same	same		
61882		114	22			same	same		
61883		55	22	77		same	same		
61884		138	9			same	same		
61885		158	11	77		same	same		
61887		166	14			same	same		
61888		161	22			same	same		
61889		155	16			same	same	crash 0 file	

61890		151	4	77		same	same		
61891		150	17			same	same		
61892		148	20			same	same		
61893		152	17	77		same	same		
61894		163	16			same	same		
61895	11-Apr	65	16			same	same		
61905		139	11			same	same		
61906		144	10	77		same	same		
61908		146	12			same	same		
61909		144	14			same	same		
61910		38	14			same	same		
Total		3663							

Production on He target (small current, include FDC at 50 nA) RUN Period 6

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61914	12-Apr	32	14	77		19,21	19 4ns, 21, 63		
61915	10:00 AM	35	14				21,63		
61916		23	14			19,21	19 4ns, 21, 63		
61917		36	14			same	same		
61918		10	14	77		19,21,47	19 and 67 4 ns, 21, 63		
61930		36	14			21	47 4 ns, 21, 63		
61931		10	14	77		19,21	19 4 ns, 21, 63		
61933		27	14	77		same	same		
61934		35	14	77		same	same		
61935		38	14	77		same	same		
61936		42	14			19,21,47	19 and 47 4 ns, 21, 63		
61937		35	14	77		21	21, 63		
61938		33	14	77		19, 21	19 4 ns, 21, 63		
61939		38	14			21	21, 63		
61947		35	15			19,21,47,63 (bad),82,83	19, 47, 82, 83 - 4ns, 21,63		
61950		85	14			21	21, 63		
61951		83	14			21	21,63		
61952		86	14	77		21	63		
61953		83	14			21	21,63		
61954		14	14			21,47,48,82,83,84	21,63		
61955		87	14			a lot (wrong calib)	a lot (wrong calib)		
61956		76	14			a lot (wrong calib)	a lot (wrong calib)		
Total		979	14						

First empty target run (no target cell) RUN Period 0

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner
61309		81	0	(110,113,116,119)	110,113,116,119	21 (alive) + (63, 71, 76)	21 (alive) + (63, 71, 76)		
61310		100	0	s	s	s	s		
61311		50	0	s	s	s	s		
Total		231							



Empty target run (no target cell)

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner	Flux (E > 8) 10 <sup>10</sup>
61345		62	5	(110,113,116,119)	110,113,116,119	21 + (63, 71, 76)	21 + (63, 71, 76)			4.87
61346		58	5	s	s	s	s			4.53
61347		62	5	s	s	s	s			4.82
61348		49	5	s	s	s	s			3.83
61349		31	5	s	s	s	s			2.41
61350		20	5	s	s	s	s			2.18
61352		50	5	s	s	s	s			4
61353		56	5	s	s	s	s			4.42
61354		24	5	s	s	s	s			1.87
Total		412								32.93

Empty target run (LHe cell installed)

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner	Flux (E > 8) 10 <sup>10</sup>
61357	2-Mar	21	5	(110,113,116,119)	110,113,116,119	21 + (63, 71, 76)	21 + (63, 71, 76)			1.61
61358		60	5	s	s	s	s			4.65
61359		46	5							3.52
61360		25	5	s	s	s	s			1.79
61361		53	5							4.05
61362		55	5	s	s	s	s			4.2
61363		55	5	s	s	s	s			4.21
61364		54	5	s	s	s	s			4.17
61365		64	5	s	s	s	s			4.92
61366		66	5							5.14
61367		56	5	s	s	s	s			4.31
61368		64	5	s	s	s	s			4.91
61369		41	5	s	s	s	s			3.12
61370		3 M	5	s	s	s + 19	s + 19			
61371		46	5	s	s	s	s			3.47
61372		53	5	s	s	s	s			4.07
61373		43	5	s	s	s	s			3.26
61374		42	5	s	s	s	s			3.2
61375		41	5	s	s	s	s			3.1
Total		885								67.7

Empty He target RUN period 1

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner	Flux (E > 8) 10 <sup>10</sup>
61576	43541	71	0	(110,113,116,119)	110,113,116,119	21 + (63, 71, 76)	21 + (63, 71, 76)			4.17
61577		26	0	s	s	s	s			1.85
61578		62	0	s	s	s	s			4.50
61579		73	0	s	s	s	s			5.27
61580		70	0	s	s	s	s			5.09

61581		67	0	s	s	s	s			4.88
61582		67	0	s	s	s	s			4.84
61583		64	0	s	s	s	s			4.65
61584		65	0	s	s	s	s			4.72
61585		39	0	s	s	s	s			2.80
Break										
61602		68	0	s	s	s	s			4.92
61603		67	0	s	s	s	s			4.81
61606		69	0	s	s	s	s			5.02
61607		43	0	s	s	s	s			3.10
61608		71	0	s	s	s	s			5.14
61609		70	0	s	s	s	s			5.07
61610		67	0	s	s	s	s			4.86
61611		26	0	s	s	s	s			1.88
Total		1085								77.56

**Empty He target RUN period 2**

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner	Flux (E > 8) 10 <sup>10</sup>
61668	43548	65	0	(110,113,116,119)	110,113,116,119	21 + (63, 71, 76)	21 + (63, 71, 76)			4.71
61669		63	0	s	s	s	s			4.5
61670		65	0	s	s	s	s			4.69
61671		65	0	s	s	s	s			
61672		58	0	s	s	s	s			4.19
61673		60	0	s	s	s	s			4.33
61686		16	0	s	s	s	s			1.08
61687		42	0	s	s	s	s			3.08
Total		434								26.58

**Empty He target RUN Period 3**

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner	Flux (E > 8) 10 <sup>10</sup>
61764	1-Apr	67	18	(110,113,116,119)	110,113,116,119	21 + (63, 71, 76)	21 + (63, 71, 76)			4.85
61765		64	18	s	s	s	s			4.61
61766		71	18	s	s	s	s			5.17
61767		56	18	s	s	s	s			4.01
61768		57	18	s	s	s	s			4.13
61769		63	18	s	s	s	s			4.54
61771		66	18	s	s	s	s			4.79
61772		32	18	s	s	s	s			2.32
Total		476								34.42

**Empty He Target RUN Period 4**

Run	Date	Events (M)	PS calib DT	TAGH 4 ns	TAGH TDC	TAGM 4ns	TAGM TDC	FCAL bad ch	FCAL inner	Flux (E > 8) 10 <sup>10</sup>
61852	8-Apr	21	16	(110,113,116,119) + 77	, 113, 116, 119,	21 + (63, 71, 76)	21 + (63, 71, 76)			1.46

