

Table 4: $\mu = 1$, 20 ECal layers

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	4.41	1004	0.94	0.95	0.95	0.94
2	0.176 (0.284)	0.00	0	0.00	0.00	0.00	0.00
3	0.052 (0.084)	0.00	0	0.00	0.00	0.00	0.00
4	0.010 (0.016)	0.00	0	0.00	0.00	0.00	0.00
Total	0.632 (1.00)		1004	0.58	0.58	0.58	0.58

(a) $N_{\text{track}} \leq 1$

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	3.69	458	0.89	0.93	0.93	0.93
2	0.176 (0.284)	11.42	545	0.81	0.88	0.89	0.90
3	0.052 (0.084)	0.00	0	0.00	0.00	0.00	0.00
4	0.010 (0.016)	0.00	0	0.00	0.00	0.00	0.00
Total	0.632 (1.00)		1004	0.78	0.82	0.83	0.83

(b) $N_{\text{track}} \leq 2$

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	3.27	285	0.83	0.90	0.92	0.92
2	0.176 (0.284)	10.97	421	0.75	0.85	0.87	0.89
3	0.052 (0.084)	18.54	296	0.63	0.78	0.81	0.84
4	0.010 (0.016)	0.00	0	0.00	0.00	0.00	0.00
Total	0.632 (1.00)		1004	0.78	0.86	0.88	0.89

(c) $N_{\text{track}} \leq 3$

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	3.01	188	0.77	0.88	0.90	0.91
2	0.176 (0.284)	10.79	383	0.71	0.83	0.86	0.88
3	0.052 (0.084)	18.54	300	0.63	0.78	0.81	0.84
4	0.010 (0.016)	26.25	131	0.63	0.80	0.84	0.88
Total	0.632 (1.00)		1004	0.74	0.86	0.88	0.90

(d) $N_{\text{track}} \leq 4$

Table 5: $\mu = 1$, 34 ECal layers

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	5.41	1004	0.95	0.95	0.95	0.94
2	0.176 (0.284)	0.00	0	0.00	0.00	0.00	0.00
3	0.052 (0.084)	0.00	0	0.00	0.00	0.00	0.00
4	0.010 (0.016)	0.00	0	0.00	0.00	0.00	0.00
Total	0.632 (1.00)		1004	0.59	0.59	0.59	0.59

(a) $N_{\text{track}} \leq 1$

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	4.58	337	0.95	0.95	0.95	0.94
2	0.176 (0.284)	12.63	666	0.91	0.92	0.92	0.92
3	0.052 (0.084)	0.00	0	0.00	0.00	0.00	0.00
4	0.010 (0.016)	0.00	0	0.00	0.00	0.00	0.00
Total	0.632 (1.00)		1004	0.84	0.84	0.85	0.84

(b) $N_{\text{track}} \leq 2$

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	4.37	260	0.94	0.95	0.95	0.94
2	0.176 (0.284)	12.08	397	0.87	0.91	0.91	0.91
3	0.052 (0.084)	19.94	346	0.81	0.87	0.88	0.89
4	0.010 (0.016)	0.00	0	0.00	0.00	0.00	0.00
Total	0.632 (1.00)		1004	0.90	0.91	0.92	0.91

(c) $N_{\text{track}} \leq 3$

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.393 (0.616)	4.21	198	0.93	0.94	0.94	0.94
2	0.176 (0.284)	12.03	373	0.87	0.90	0.91	0.91
3	0.052 (0.084)	19.63	292	0.78	0.86	0.87	0.88
4	0.010 (0.016)	27.35	139	0.78	0.89	0.92	0.95
Total	0.632 (1.00)		1004	0.90	0.92	0.93	0.92

(d) $N_{\text{track}} \leq 4$

Table 6: $\mu = 2$, 20 ECal layers

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	4.61	1004	0.90	0.90	0.90	0.88
2	0.299 (0.349)	0.00	0	0.00	0.00	0.00	0.00
3	0.177 (0.208)	0.00	0	0.00	0.00	0.00	0.00
4	0.062 (0.073)	0.00	0	0.00	0.00	0.00	0.00
Total	0.865 (1.00)		1004	0.33	0.33	0.33	0.33

(a) $N_{\text{track}} \leq 1$

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	3.59	318	0.83	0.87	0.88	0.87
2	0.299 (0.349)	11.42	685	0.75	0.81	0.83	0.83
3	0.177 (0.208)	0.00	0	0.00	0.00	0.00	0.00
4	0.062 (0.073)	0.00	0	0.00	0.00	0.00	0.00
Total	0.865 (1.00)		1004	0.57	0.61	0.61	0.61

(b) $N_{\text{track}} \leq 2$

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	2.97	147	0.73	0.83	0.85	0.85
2	0.299 (0.349)	10.47	355	0.60	0.74	0.77	0.79
3	0.177 (0.208)	18.24	501	0.53	0.69	0.72	0.75
4	0.062 (0.073)	0.00	0	0.00	0.00	0.00	0.00
Total	0.865 (1.00)		1004	0.59	0.71	0.73	0.75

(c) $N_{\text{track}} \leq 3$

N_{track}	Fraction of Events (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	2.66	103	0.67	0.81	0.83	0.84
2	0.299 (0.349)	10.32	313	0.56	0.72	0.75	0.78
3	0.177 (0.208)	18.03	465	0.49	0.66	0.70	0.73
4	0.062 (0.073)	23.35	121	0.07	0.16	0.18	0.20
Total	0.865 (1.00)		1004	0.55	0.70	0.73	0.75

(d) $N_{\text{track}} \leq 4$

Table 7: $\mu = 2$, 34 ECal layers

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	5.51	1004	0.90	0.90	0.90	0.88
2	0.299 (0.349)	0.00	0	0.00	0.00	0.00	0.00
3	0.177 (0.208)	0.00	0	0.00	0.00	0.00	0.00
4	0.062 (0.073)	0.00	0	0.00	0.00	0.00	0.00
Total	0.865 (1.00)		1004	0.33	0.33	0.33	0.33

(a) $N_{\text{track}} \leq 1$

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	4.59	262	0.90	0.90	0.90	0.88
2	0.299 (0.349)	12.53	741	0.83	0.85	0.85	0.84
3	0.177 (0.208)	0.00	0	0.00	0.00	0.00	0.00
4	0.062 (0.073)	0.00	0	0.00	0.00	0.00	0.00
Total	0.865 (1.00)		1004	0.62	0.63	0.63	0.62

(b) $N_{\text{track}} \leq 2$

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	4.08	137	0.88	0.89	0.89	0.87
2	0.299 (0.349)	11.70	346	0.77	0.82	0.83	0.83
3	0.177 (0.208)	19.54	520	0.70	0.78	0.79	0.80
4	0.062 (0.073)	0.00	0	0.00	0.00	0.00	0.00
Total	0.865 (1.00)		1004	0.74	0.78	0.79	0.78

(c) $N_{\text{track}} \leq 3$

N_{track}	Fraction of Bunches (Signal)	Threshold (GeV)	Trigger Rate (Hz)	Efficiency 0.001 GeV	Efficiency 0.01 GeV	Efficiency 0.1 GeV	Efficiency 1 GeV
1	0.327 (0.370)	3.16	41	0.76	0.85	0.86	0.86
2	0.299 (0.349)	10.82	213	0.63	0.76	0.78	0.80
3	0.177 (0.208)	18.63	390	0.56	0.71	0.73	0.76
4	0.062 (0.073)	26.15	359	0.53	0.73	0.78	0.82
Total	0.865 (1.00)		1004	0.66	0.78	0.80	0.82

(d) $N_{\text{track}} \leq 4$