

1094 **5.2.2 Expected Rates and Purity**

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Positive Sample							
P (GeV)	# of Spills	Time (hours)	# of π^+	# of μ^+	# of K^+	# of Proton	
0.2	900	11	15K	180K	≈ 0	160K	
0.3	200	3	15K	30K	≈ 0	50K	
0.4	150	2	22K	18K	≈ 0	32K	
0.5	150	2	26K	12K	≈ 0	38K	
0.7	150	2	40K	10K	≈ 0	45K	
1	350	4	120K	10K	≈ 0	65K	
2	600	8	320K	10K	3K	130K	
3	150	2	87K	1K	2K	21K	
5	1800	23	1M	5K	5K	270K	
7	1200	15	660K	6K	3K	120K	

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Negative Sample					
P (GeV)	# of Spills	Time (hours)	# of π^-	# of μ^-	
0.2	600	8	15K	88K	
0.3	200	3	15K	30K	
0.4	150	2	30K	18K	
0.5	150	2	40K	13K	
0.7	150	2	50K	12K	
1	150	2	70K	12K	
2	200	3	135K	6K	

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Electron Sample			
P (GeV)	# of Spills	Time (hours)	# of electron
0.2,0.3,0.4,0.5,0.7,1,2,3,5,7	150 per bin	2 hours per bin	180K per bin