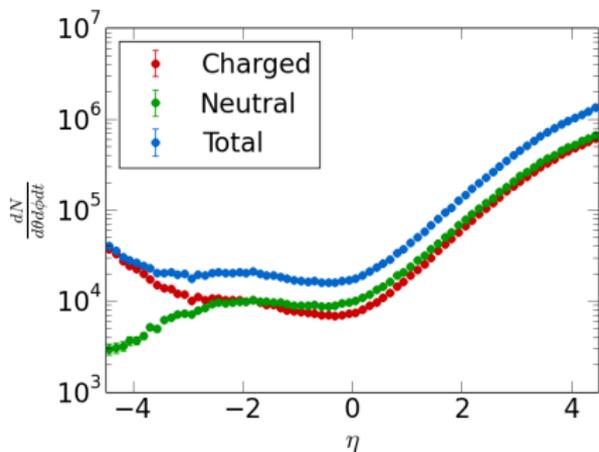


Event Rates



Pythia generated ep rates
per unit θ, ϕ per second versus η
at 10×100 at 1 m from IP
 $\mathcal{L} = 10^{33}$

Assume central tracker $-1 < \eta < 1 \rightarrow 3 \times 10^4 \times 9.97 \approx 3 \times 10^5$ tracks/s

T. Ljubicic estimated 9.4 kB / track \rightarrow 2.82 GB/s

No background noise, higher \sqrt{s} may add 30%, scales with \mathcal{L}
sPHENIX planning on writing 10 GB/s, LHCb writing \sim 1 GB/s

