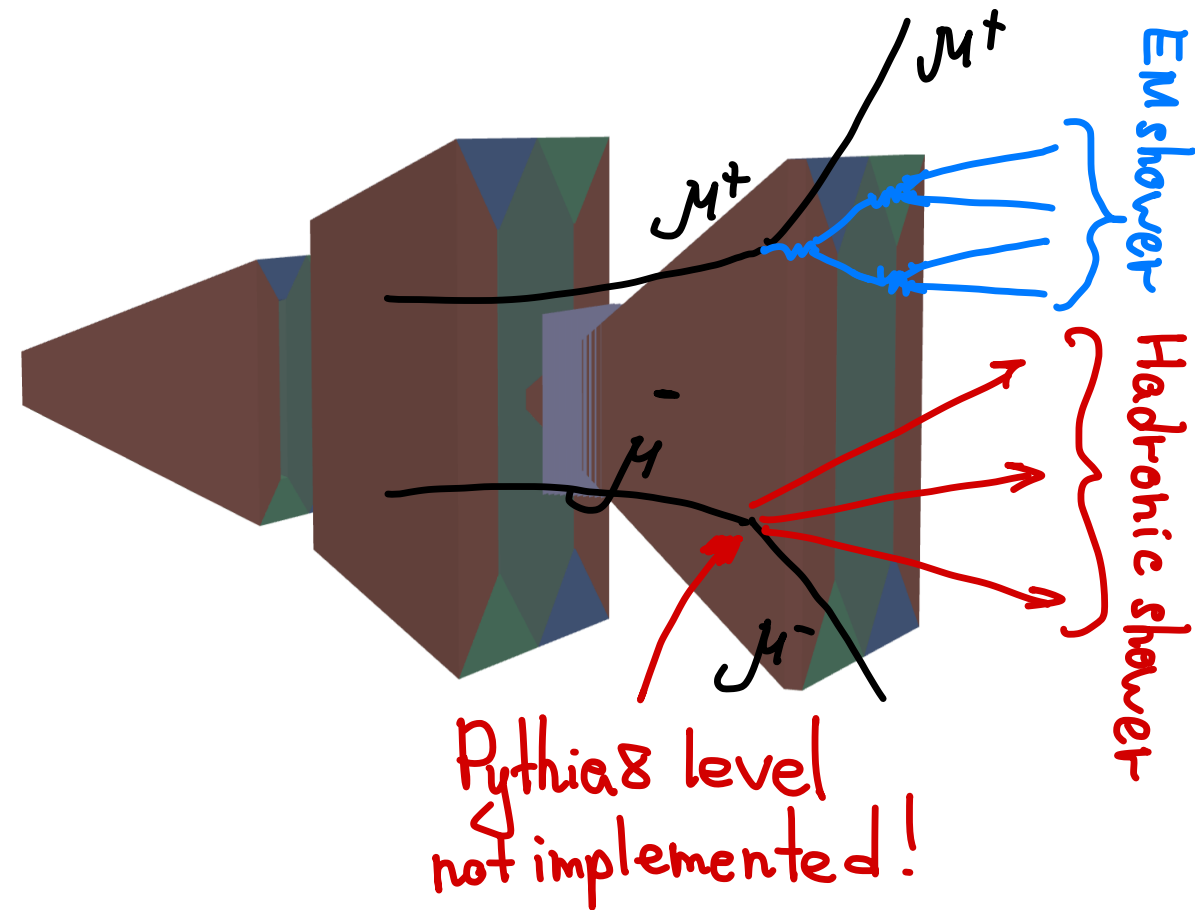


EM background

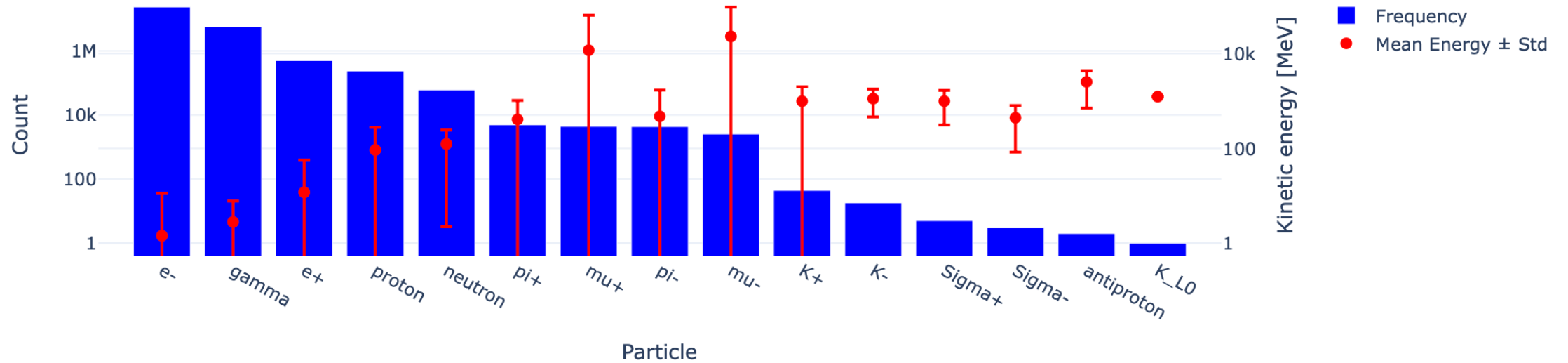
Second part of Muon Shield

- Muons in the Muon Shield can create EM and hadronic showers in the last magnet that increase the background rate downstream



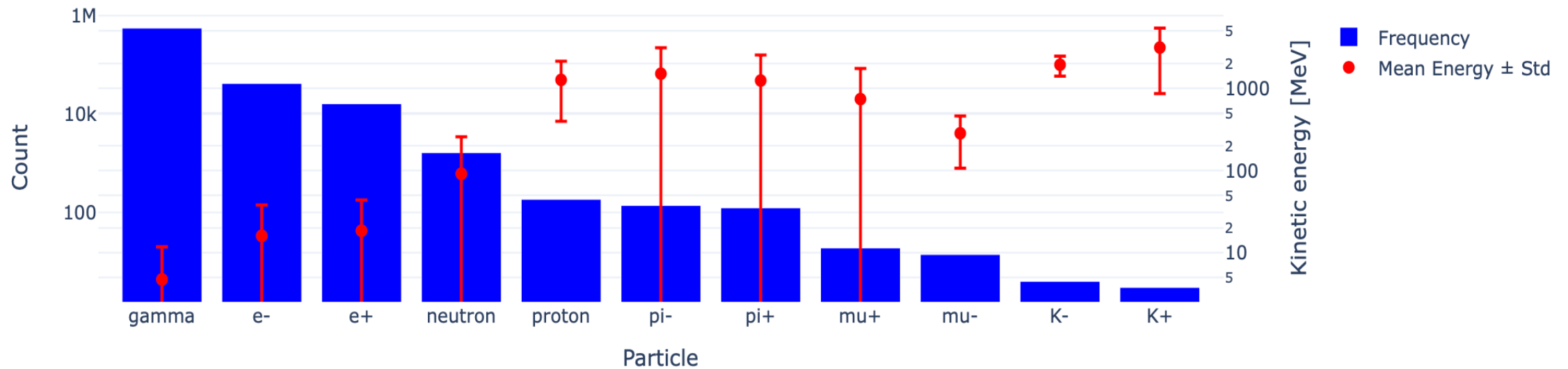
All particles in SBT

Particle Frequency and Energy Distribution in SBT



Particles in SBT coming from Muon shield and cavern walls around Muon shield

Particle Frequency and Energy Distribution in SBT. Origin: $fStartZ < -3000$ & $fStartZ > -3500$ [cm]



Initial points of particles

- Significant fraction of EM background emerges in Muon shield and SBT walls

