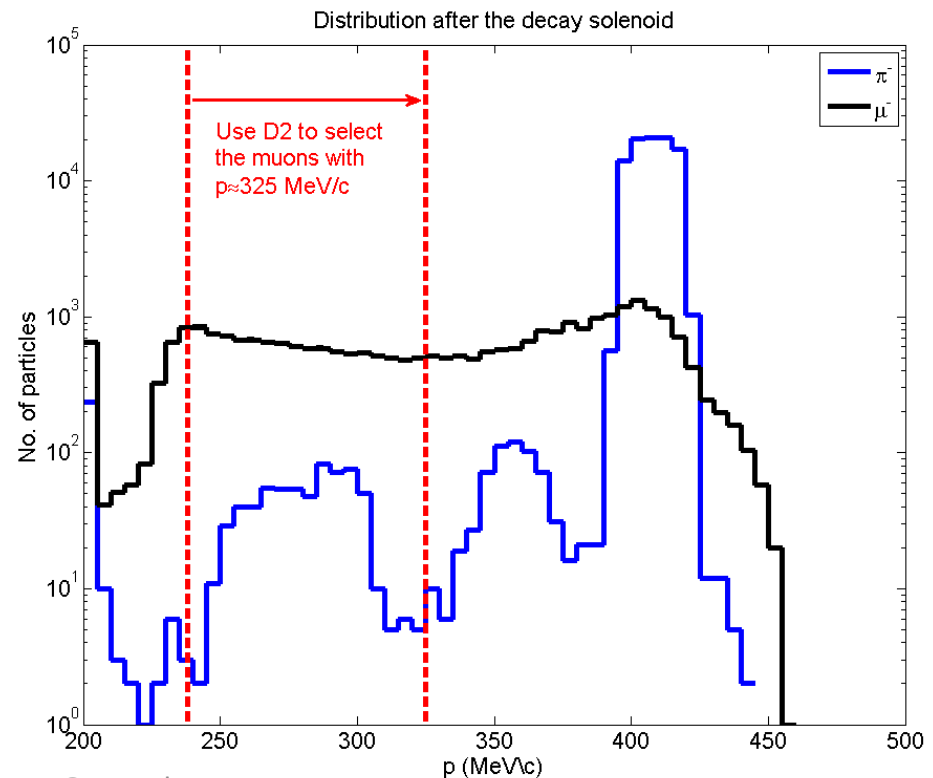


Muon momentum

- Using G4BL to track particles through MICE.
- The first plot shows the particle distribution after the decay solenoid.
- What will happen if we select the muons with $p=325$ MeV/c? (compared to $p=238$ MeV/c)



Muon momentum

- Can we easily distinguish the muons from pions if we select muons with a higher p ?
- Plot shows the distribution of Δt , between TOF1 and TOF0 when $p=238$ MeV/c.
- Here we can easily find the muons, plotted in blue. The beam is free of pions.

