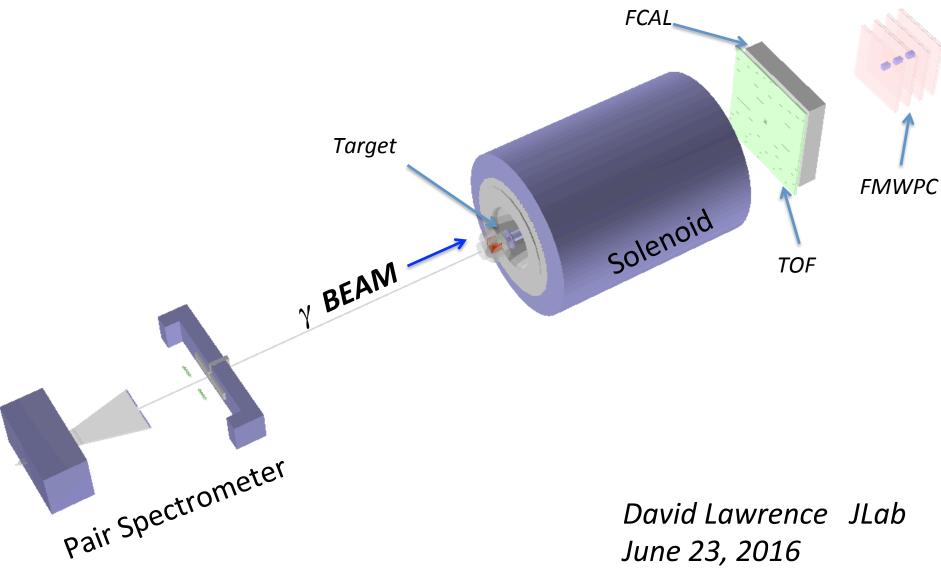
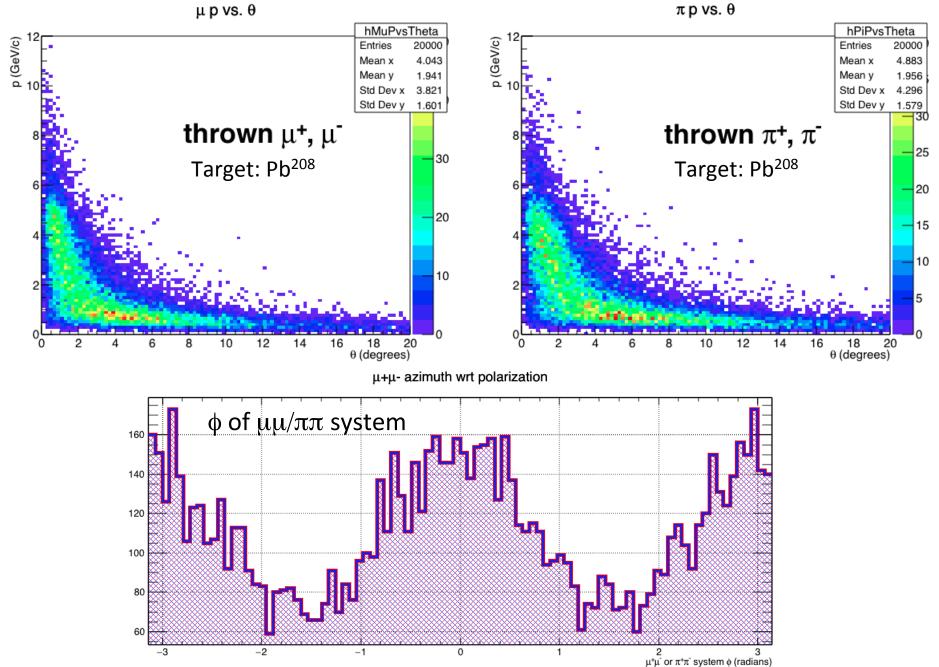
CPPsim = GEANT 4 simulation

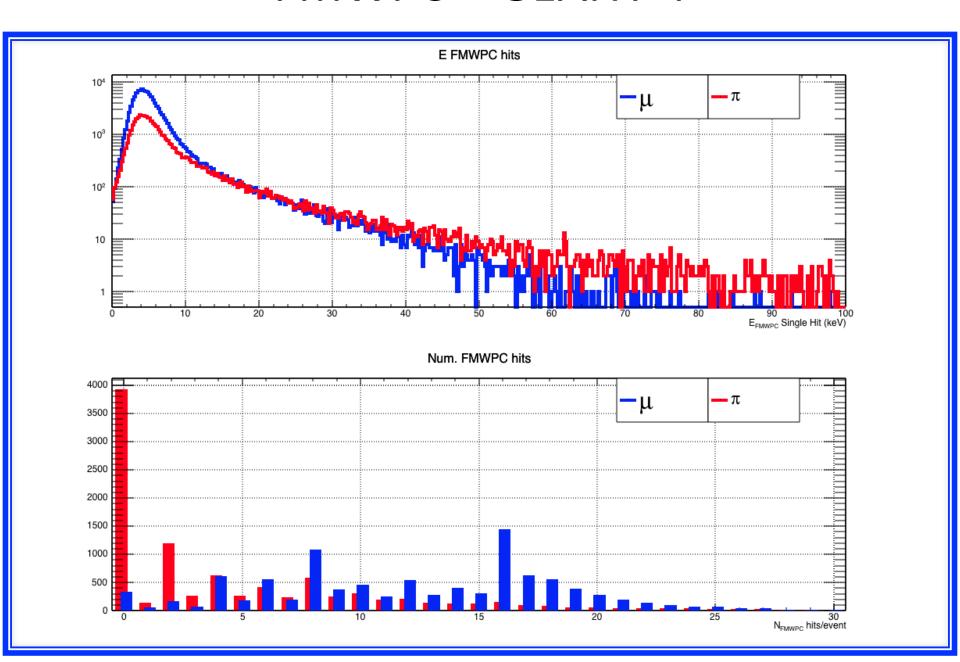


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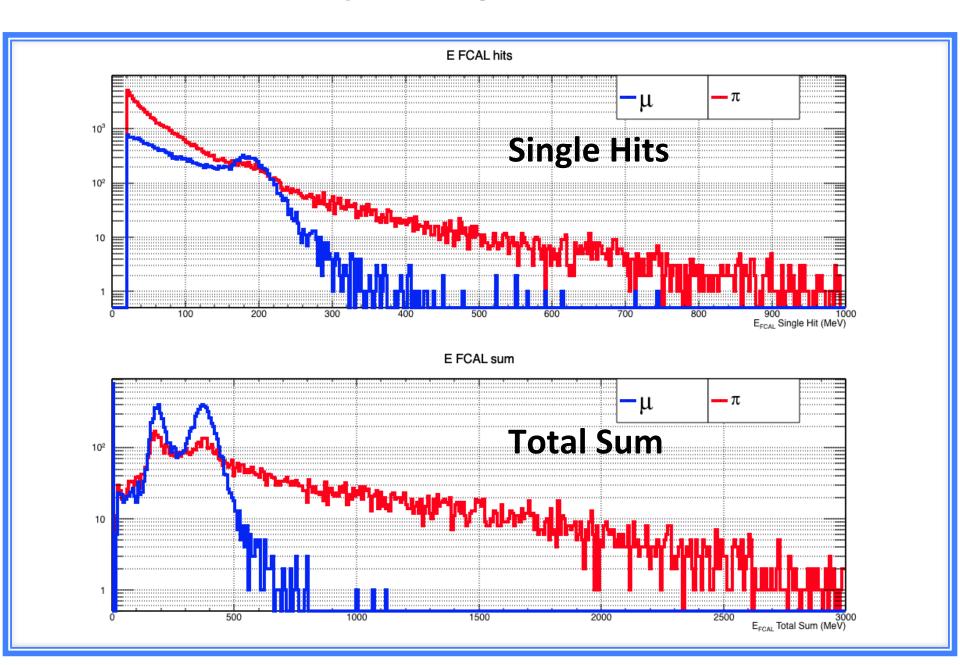
Generated Particles (gen_2mu)



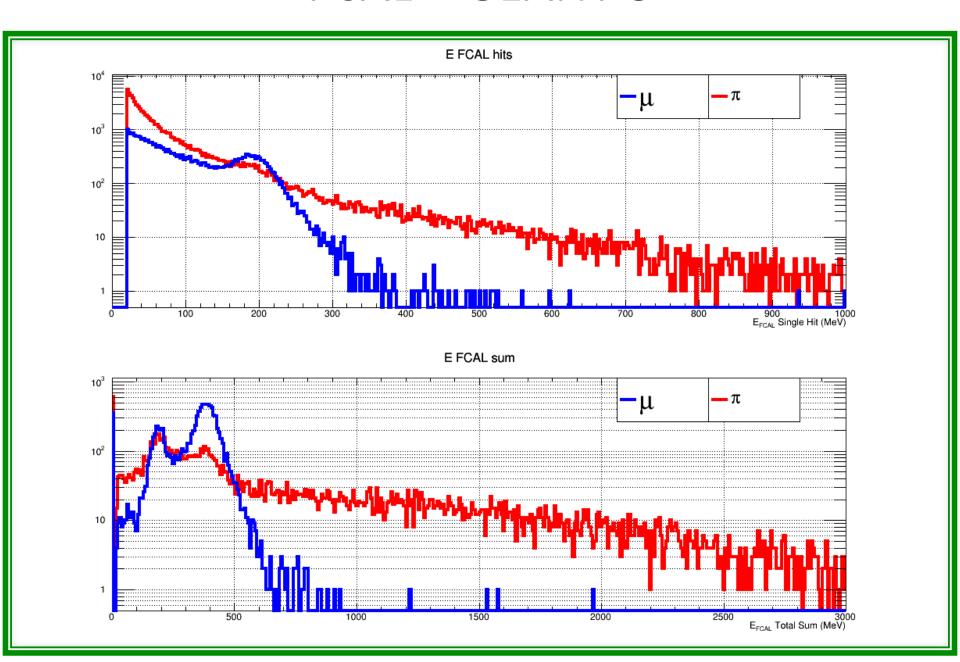
FMWPC - GEANT 4



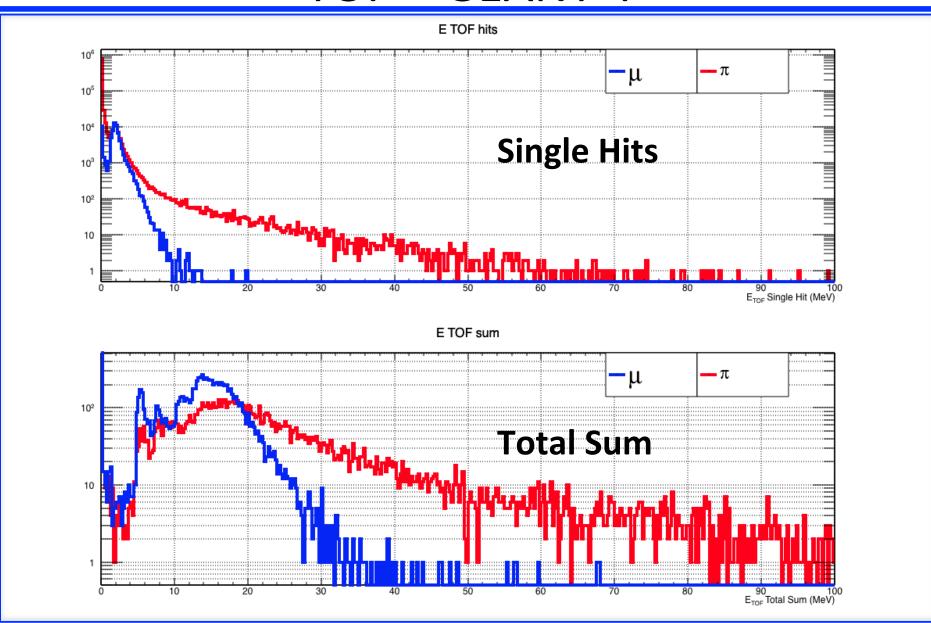
FCAL – GEANT 4



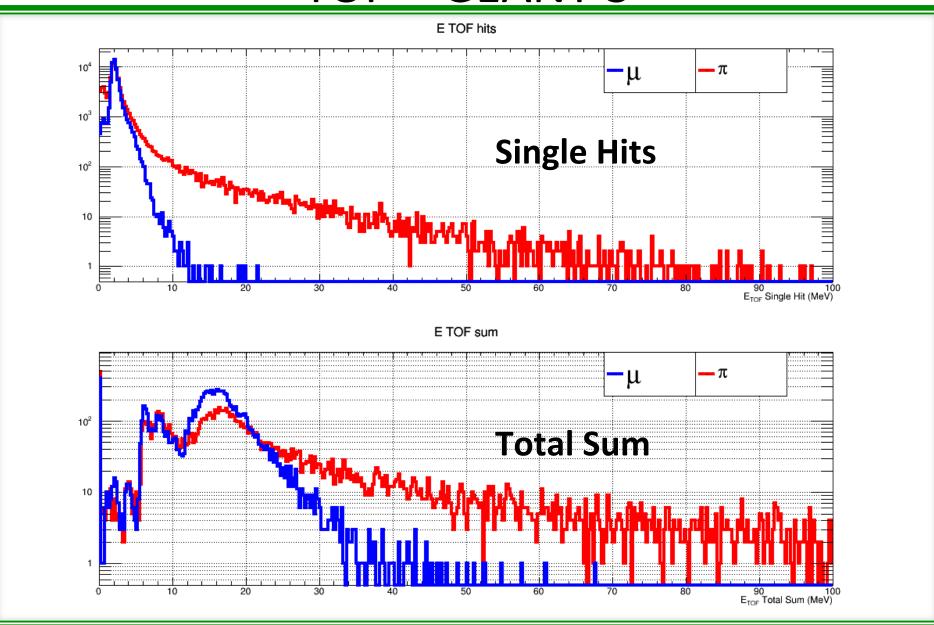
FCAL – GEANT 3



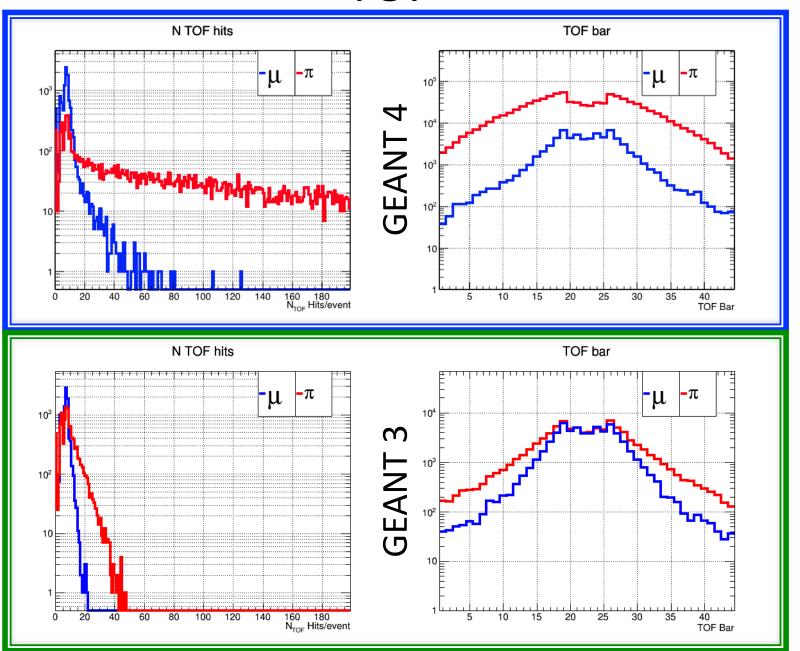
TOF - GEANT 4



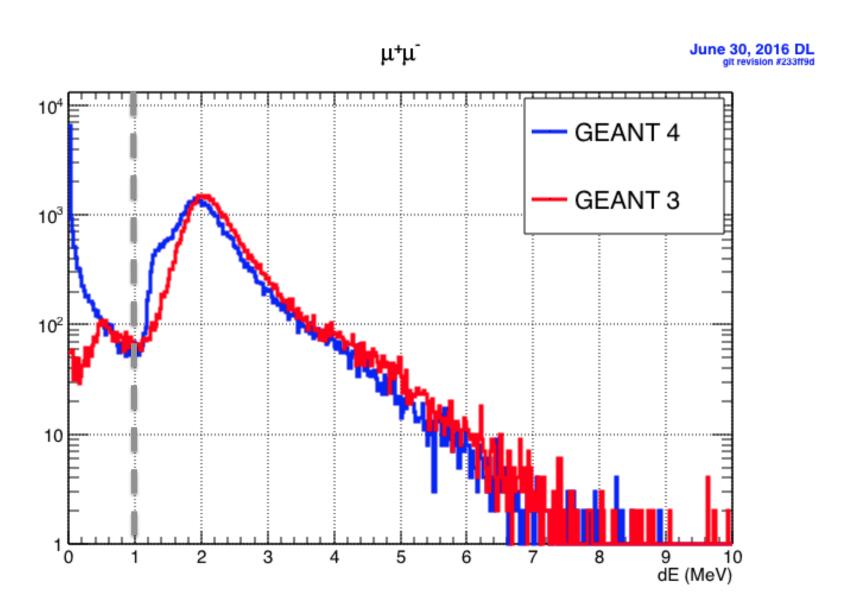
TOF - GEANT 3



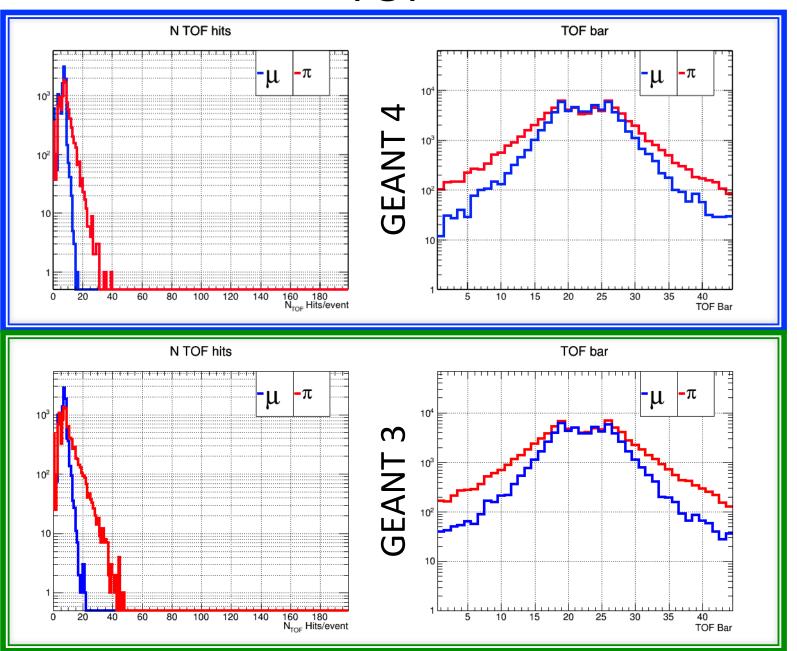
TOF



TOF dE



TOF



Summary

- Several areas of good agreement between G3 and G4 simulations
- Next Steps
 - Change target to Sn¹¹⁶(?)
 - Map locations of hadronic showers
 - Apply threshold for TOF hits
 - Train MVA to classify event as μ or π