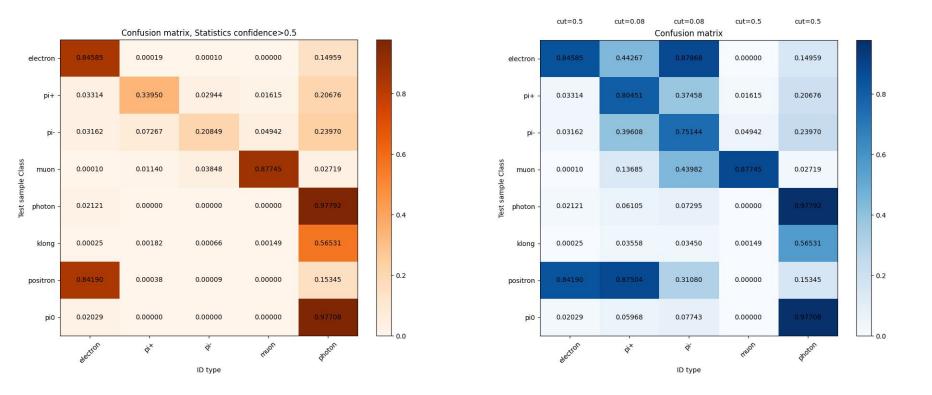
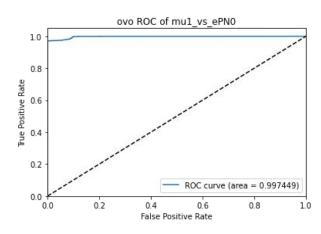
Progress Update

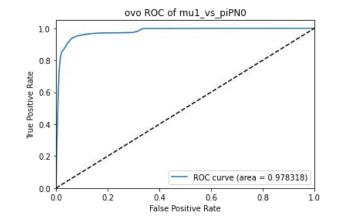
Dowling Nov.2023



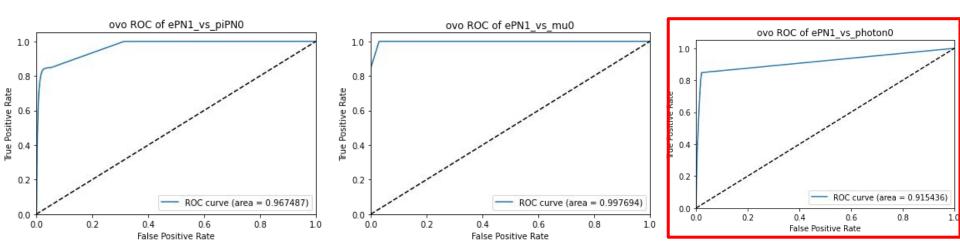
Large ratio for small number for pi+- ID on electron and positron

Muon ID





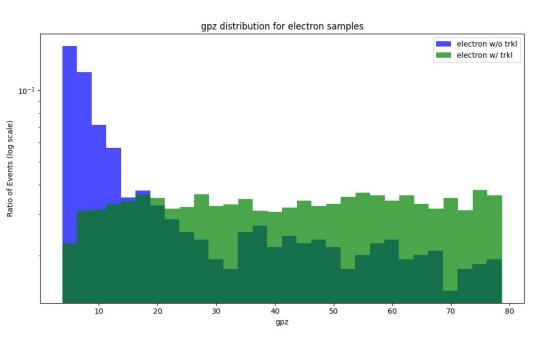
Electron ID

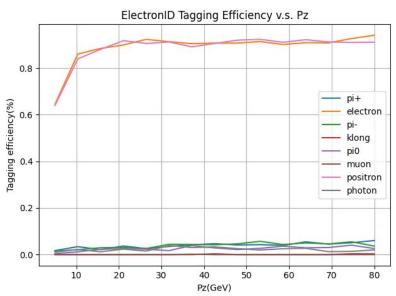


Verification, non-pure training feed

Error comes from the electron that has no track

And those electrons, mainly focuses on the energy range from 0-25 GeV

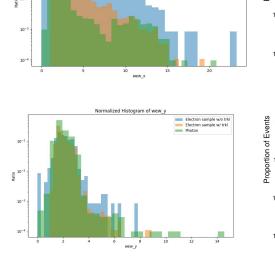




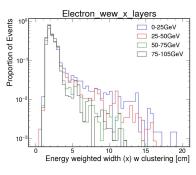
More Evidence on W_EW, Width

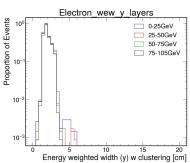
Electron sample w/o trkl

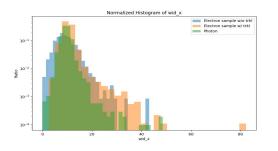
Electron sample w/ trkl

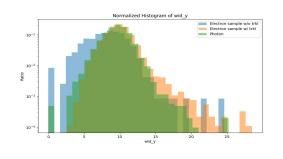


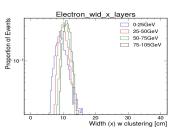
Normalized Histogram of wew x

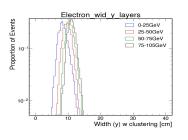




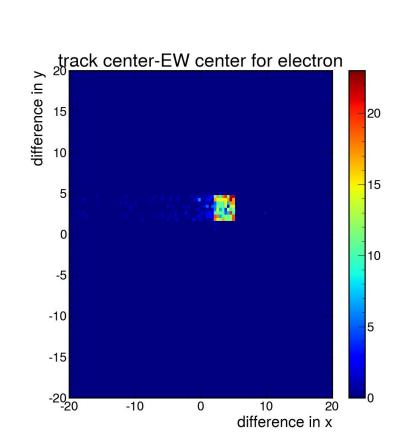


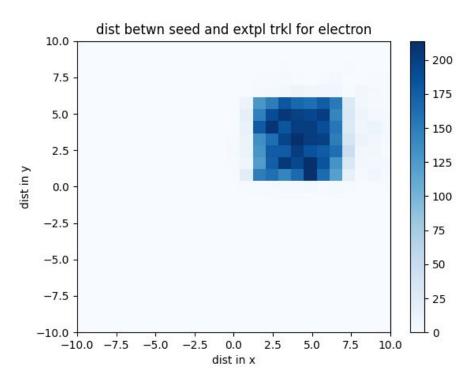






- Total 10,509 particles caught from 10,000 evts
- 1193/10,509 particles don't have trkl
- 509 highly possible are photon emitted from electron
- 337 evts has no st3 trkls
- 1193-509-337=347 /10,000 particle missed in trkl matching
- 347 mainly been cut off by 8cm square of trkl matching





Happening now

- 1. Multi-class Classifier
- 2. Compare to C++ interface for DNN online analysis, I came up an idea of Pseudo-Online program for Tagging system. A switch as option in e1039.

