

Simplified Geolepton ID

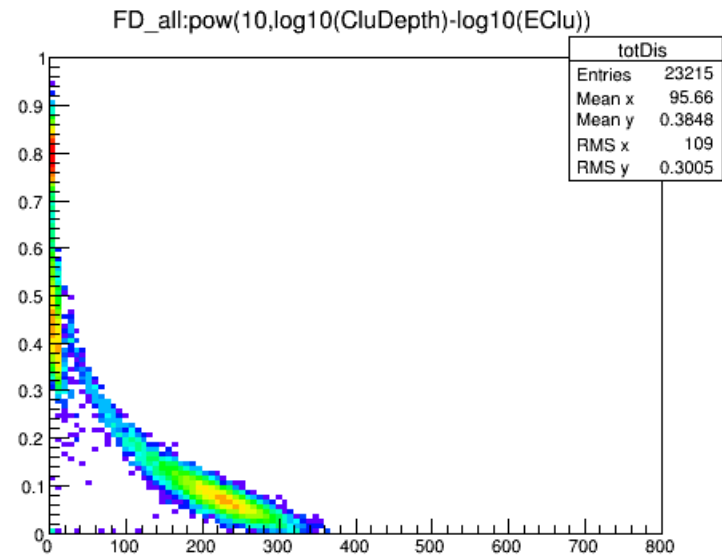
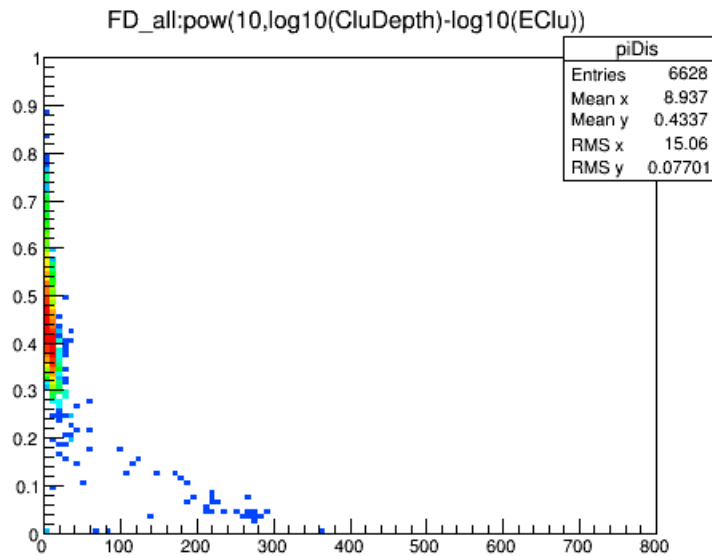
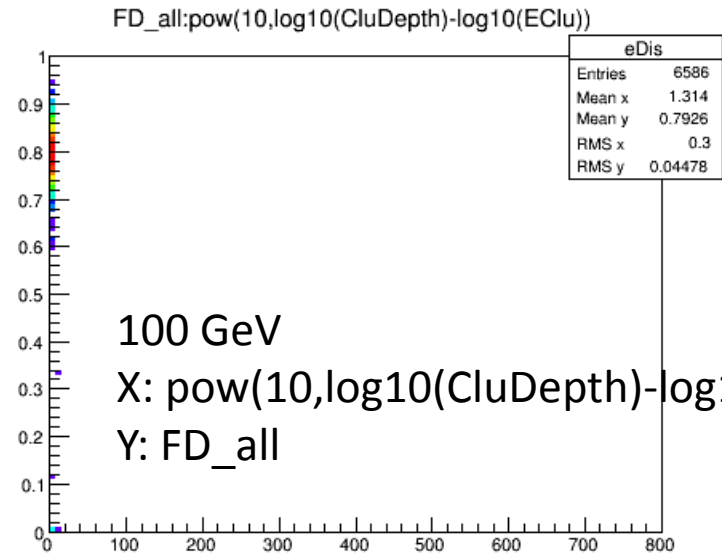
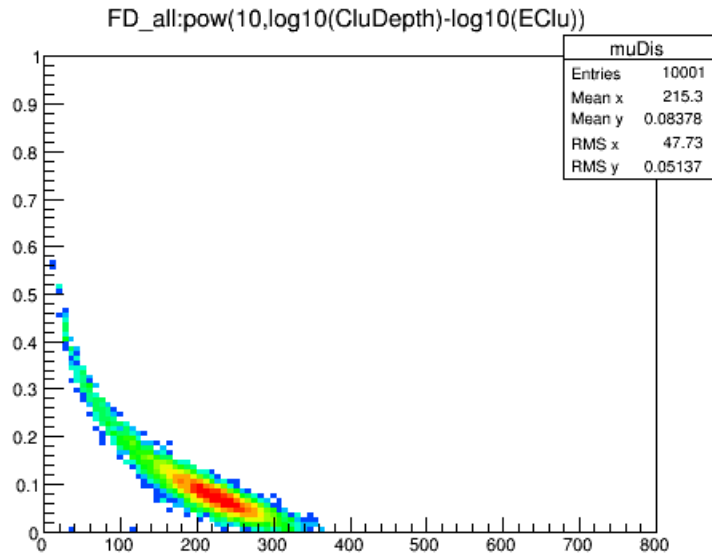
Ma Binsong

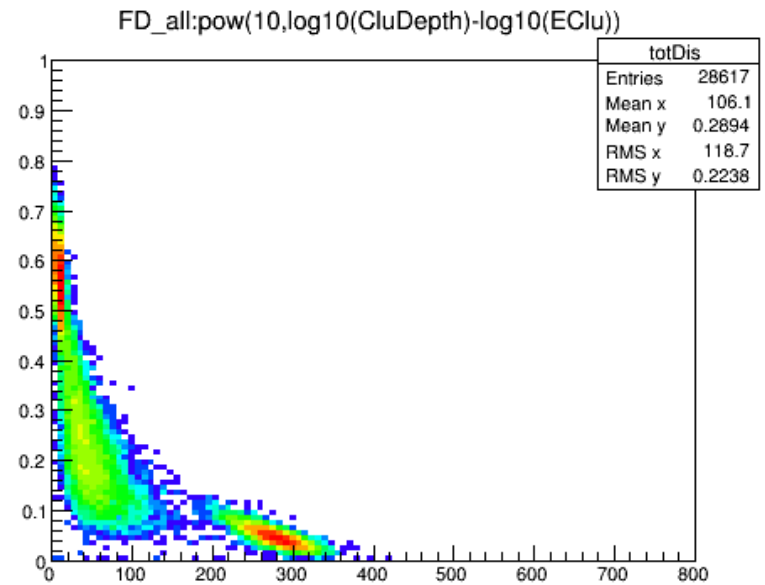
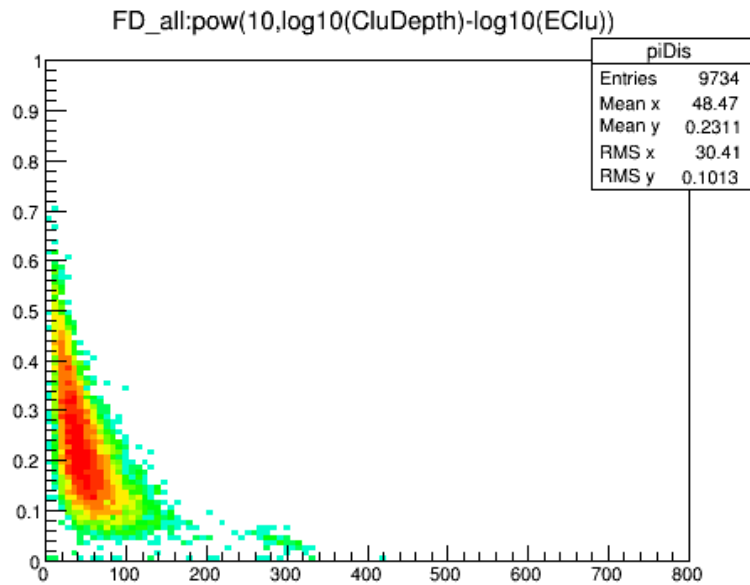
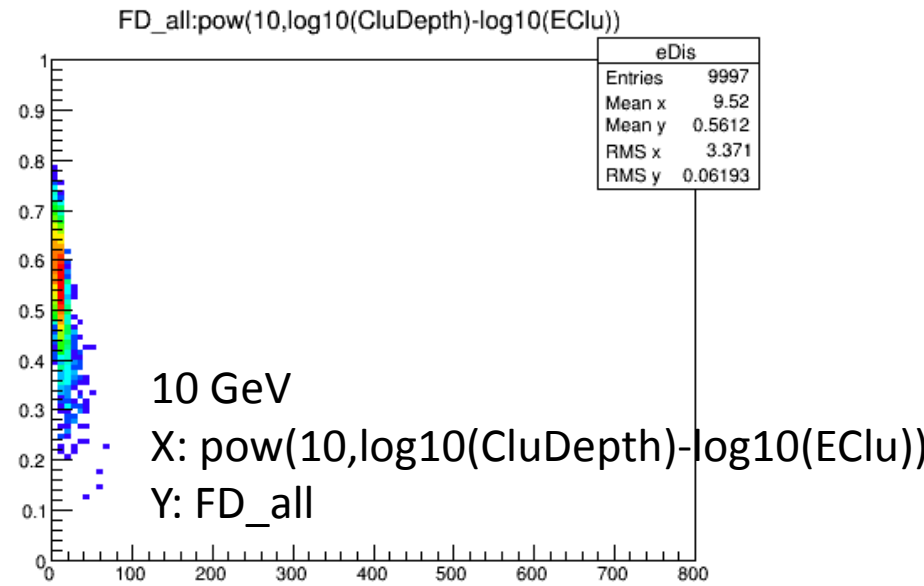
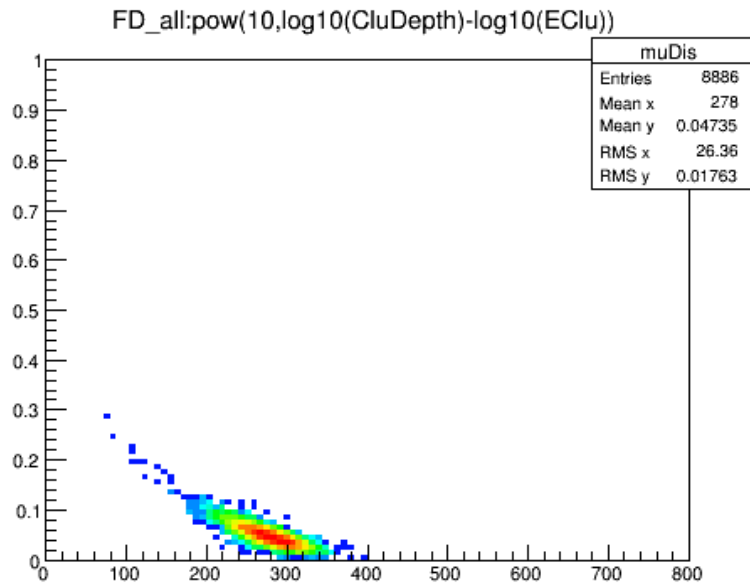
2015/01/05

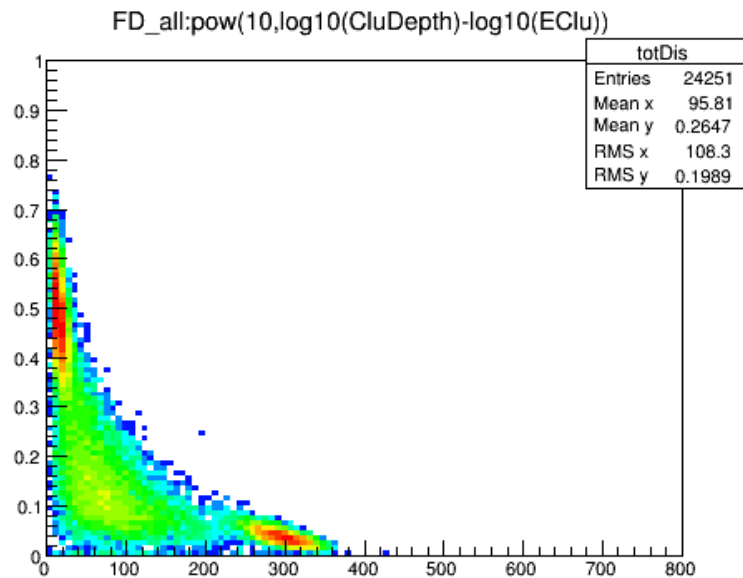
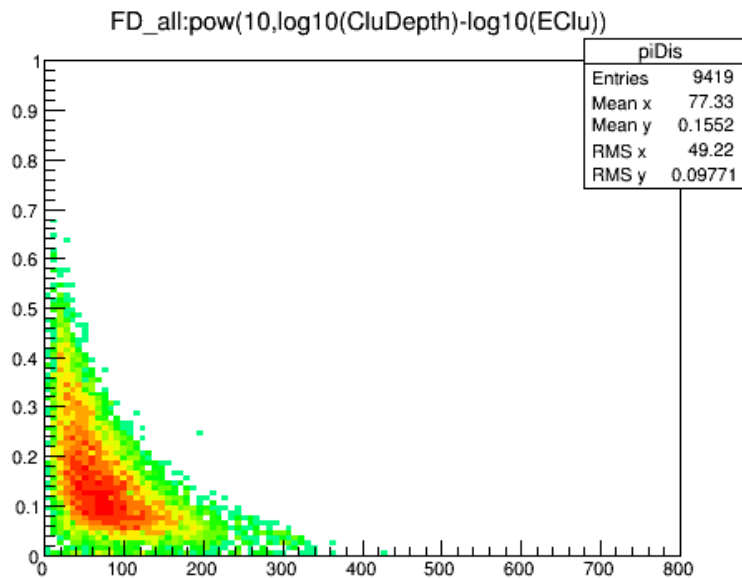
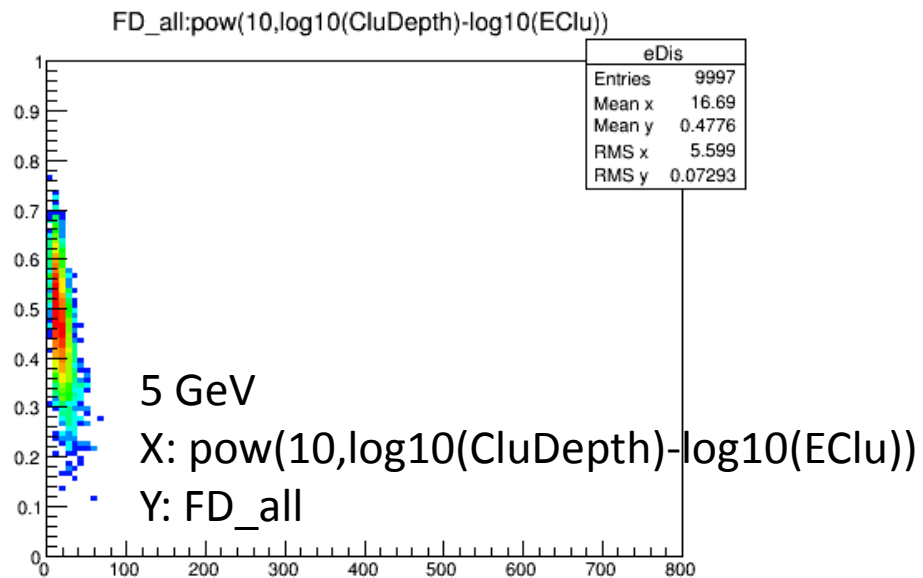
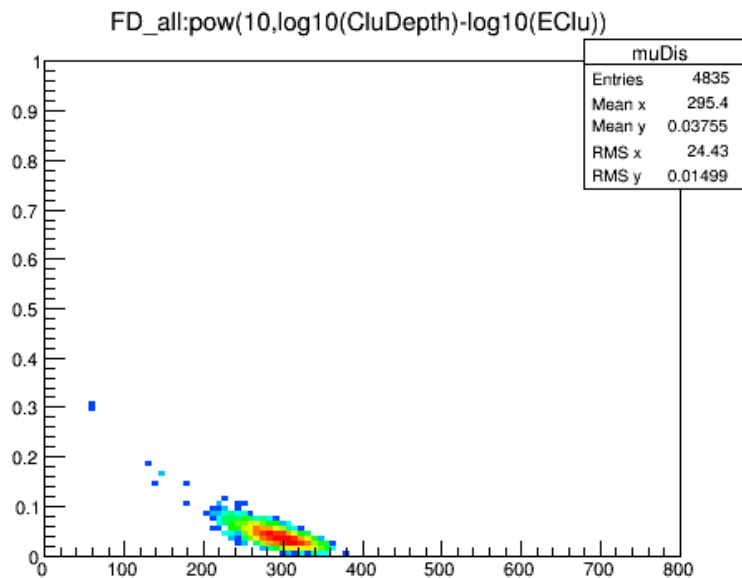
Parameters using

- FD_all
- CluDepth
- Clu En
- Track En

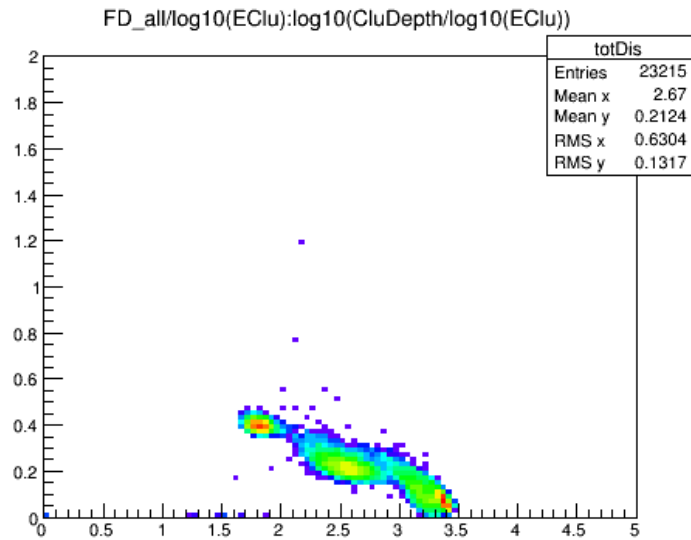
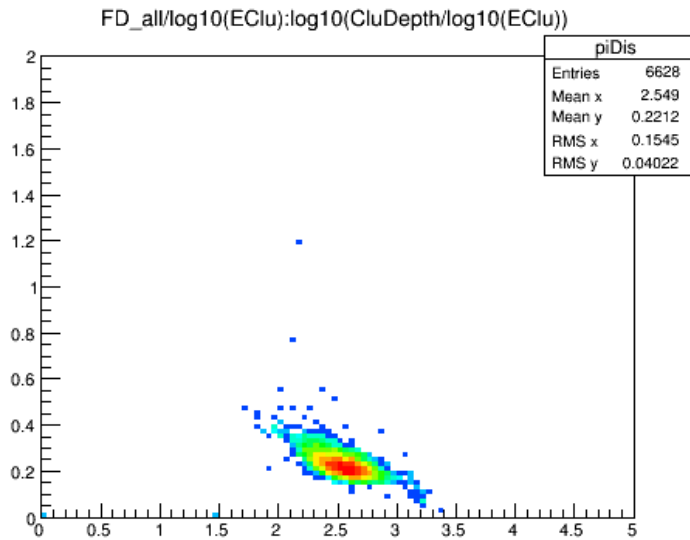
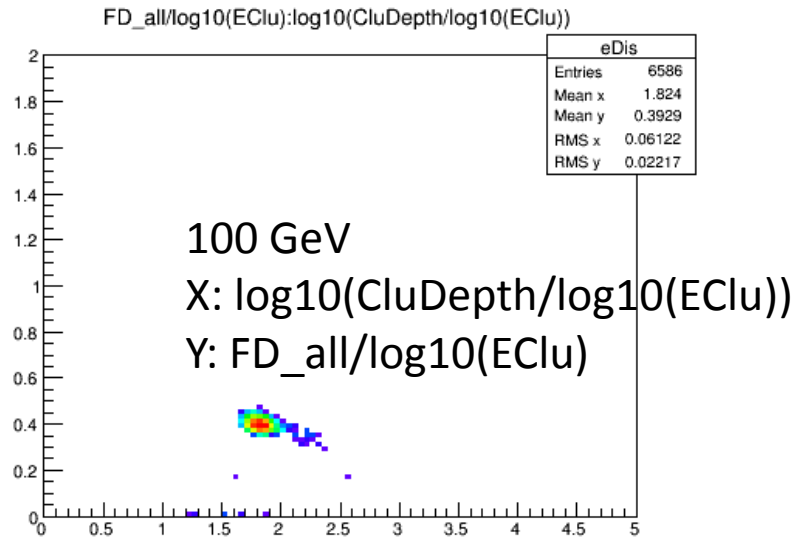
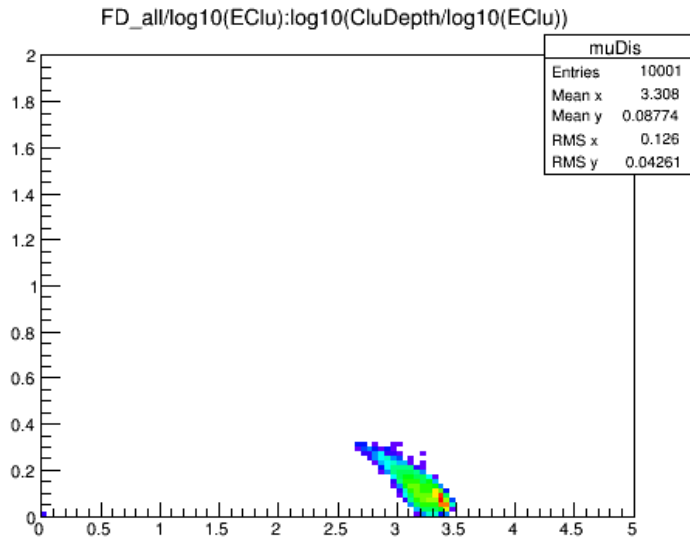
Muon selection







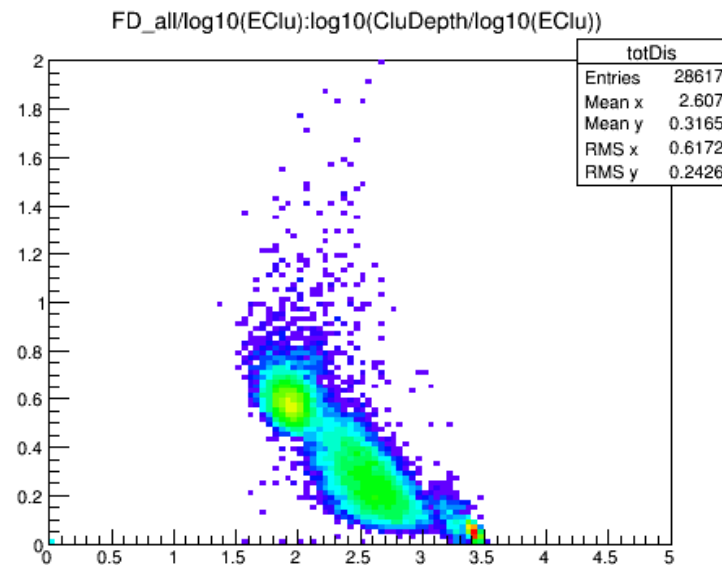
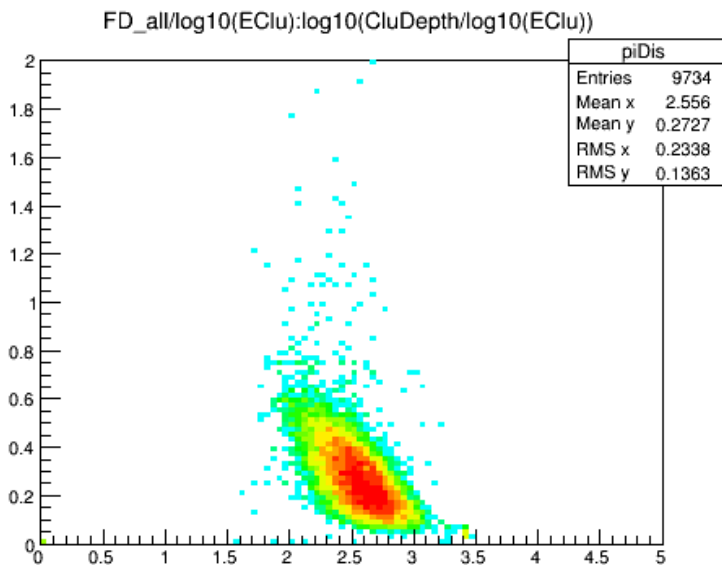
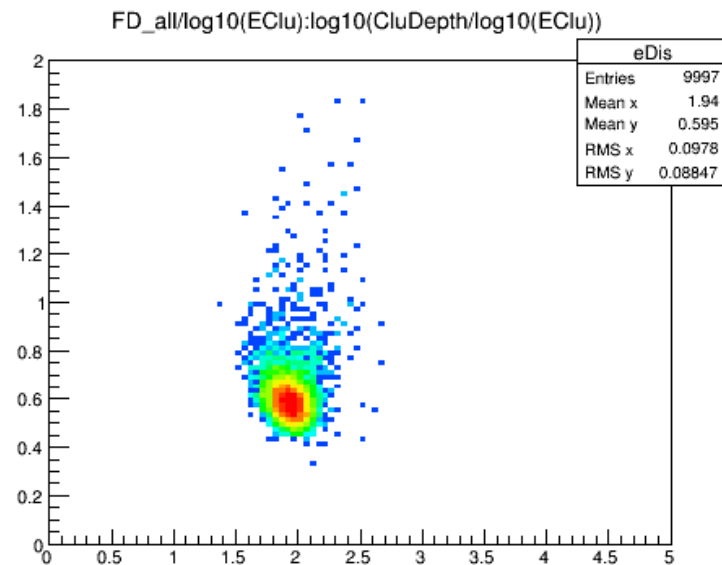
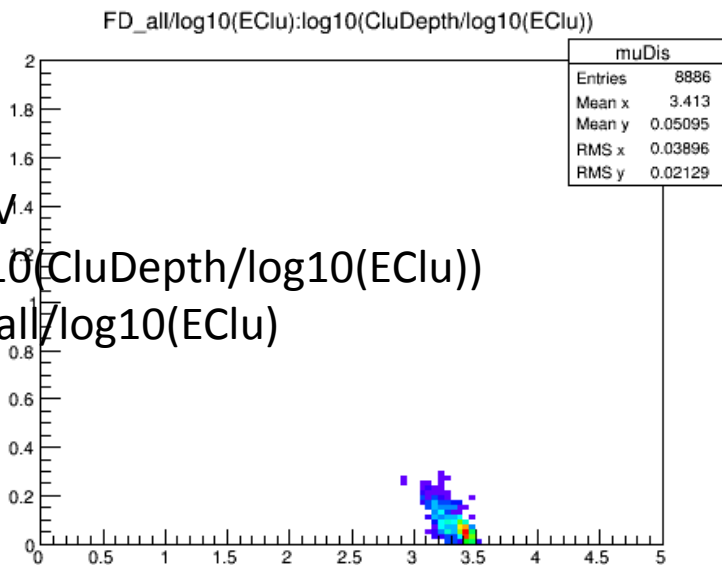
Electron Selection



10 GeV

X: $\log_{10}(\text{CluDepth}/\log_{10}(\text{EClu}))$

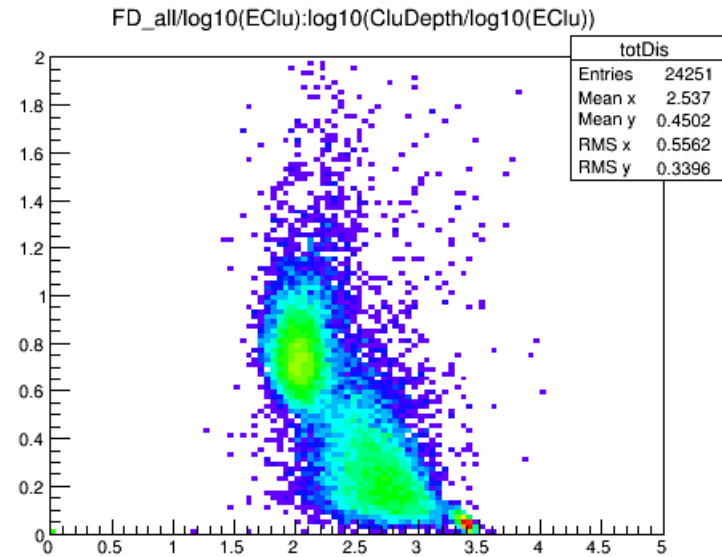
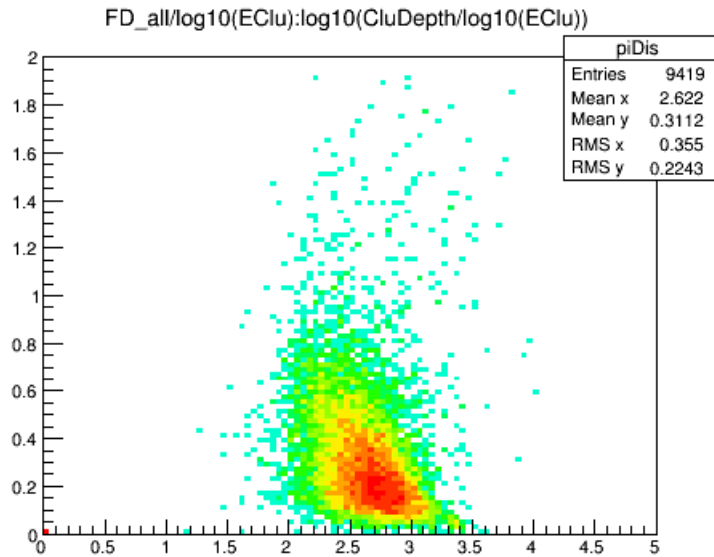
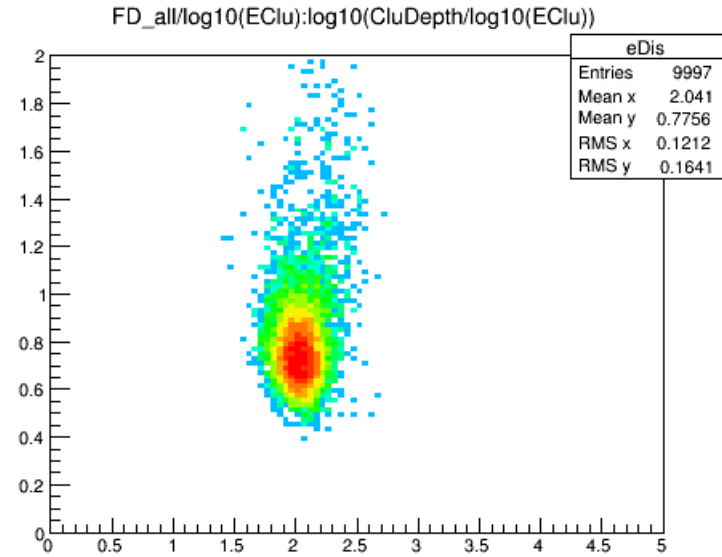
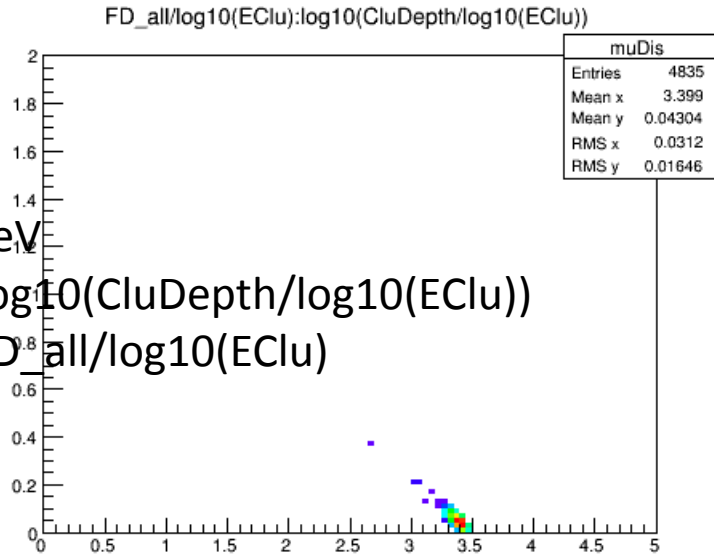
Y: $\text{FD}_{\text{all}}/\log_{10}(\text{EClu})$



5 GeV

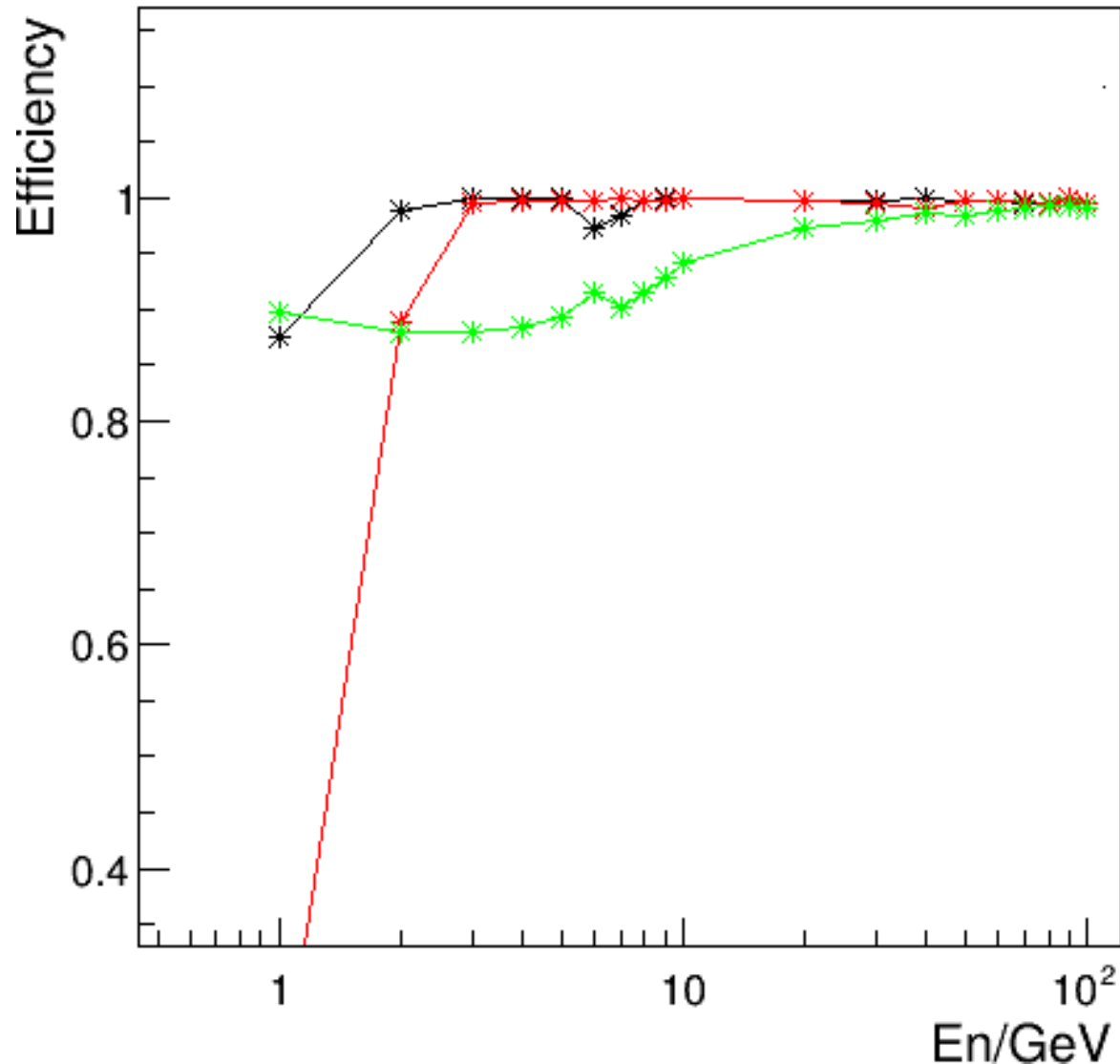
X: $\log_{10}(\text{CluDepth}/\log_{10}(\text{EClu}))$

Y: $\text{FD}_{\text{all}}/\log_{10}(\text{EClu})$



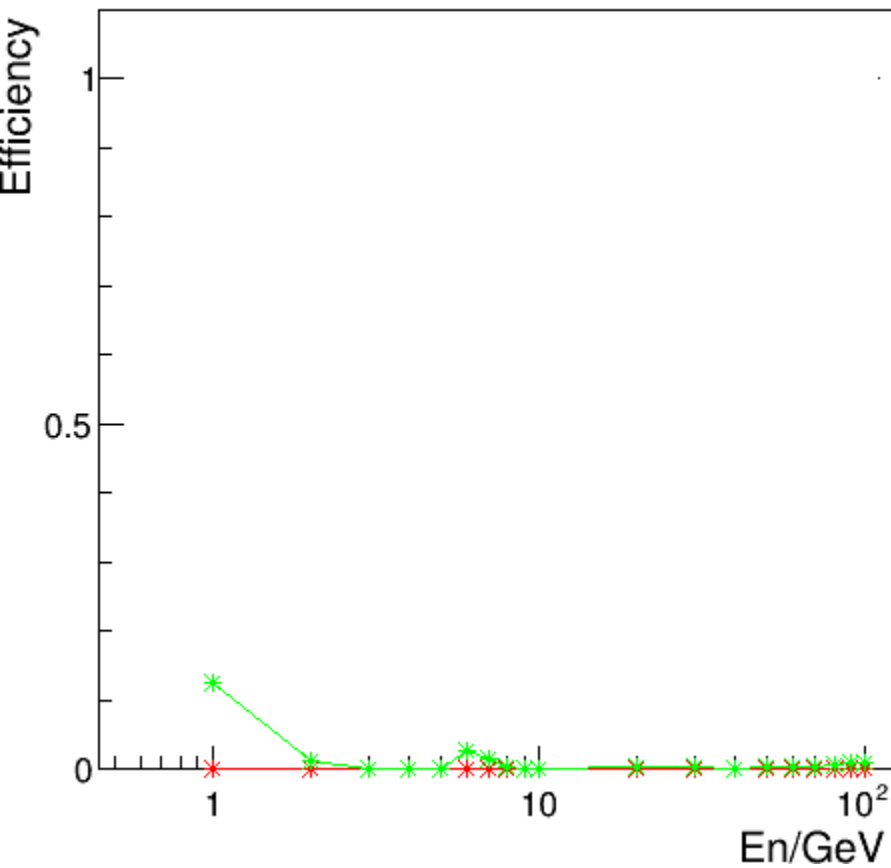
Lepton ID Efficiency

PID efficiency Simplified Geo

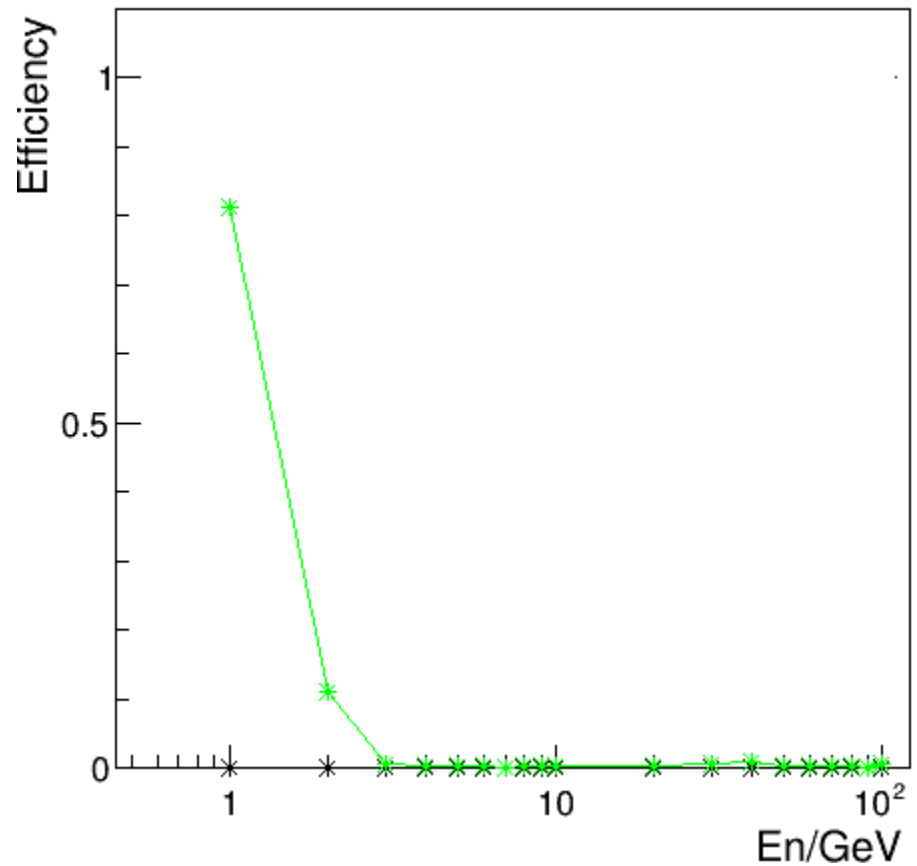


Muon and electron Purity

Mu ID purity for Simplified Geo



Ele ID purity for Simplified Geo



Charged hadron purity

Pion ID purity for Simplified G

