

TMS: visible energy update

Faiza Akbar

University of Rochester

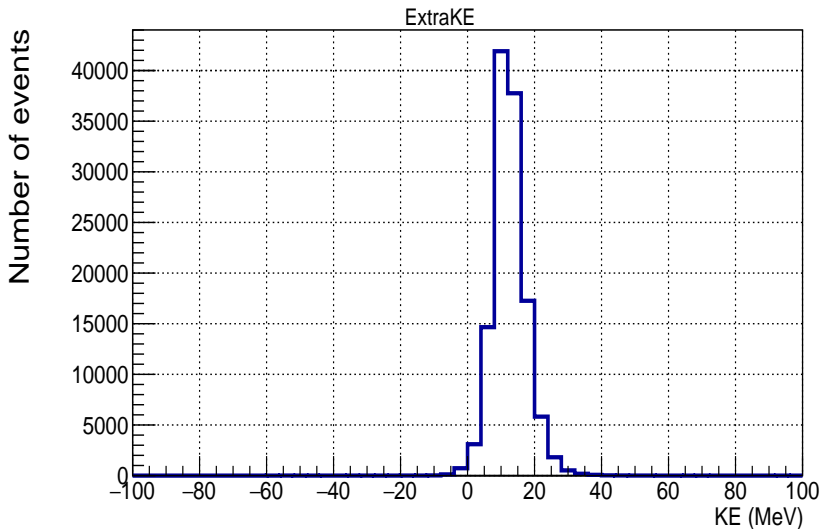
fakbar@fnal.gov

April 13, 2021

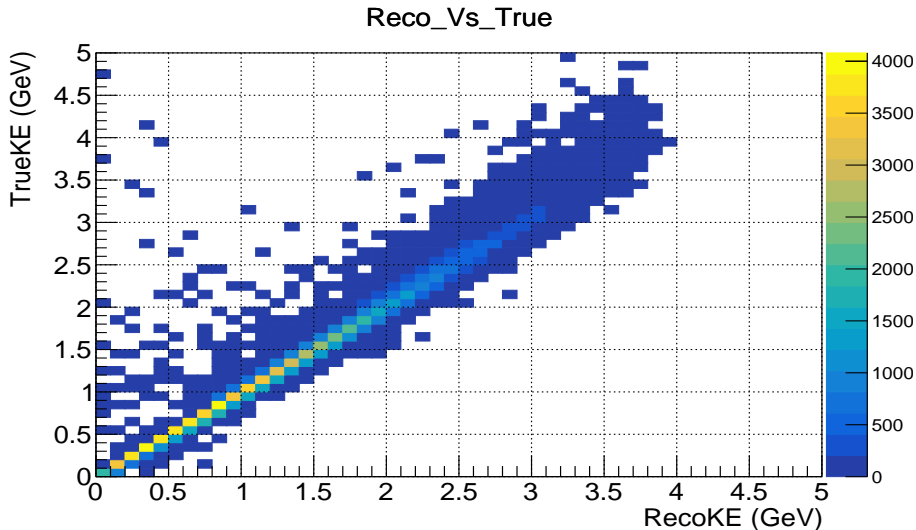
Reconstructed energy:

```
double Emip = 1.6*nplanes;    // Minimum Ionizing energy
double extraKE = muScintEnergy - Emip;
```

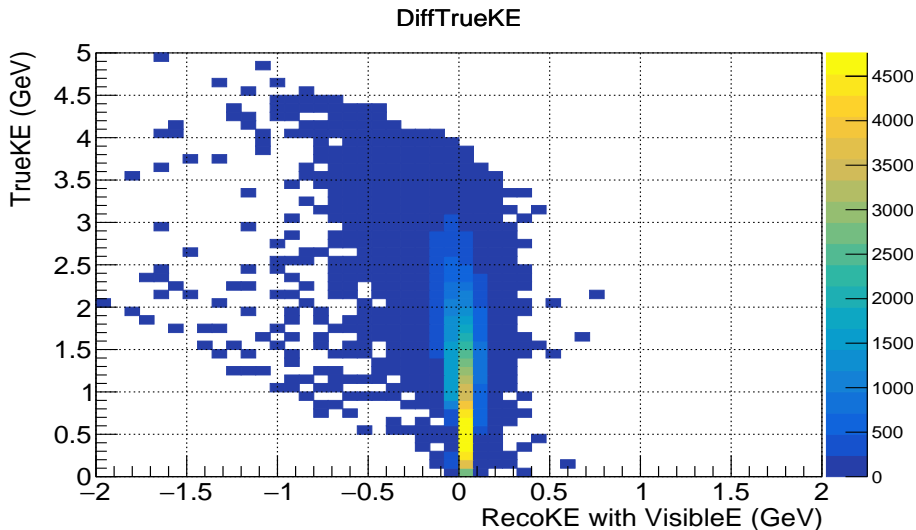
Extra energy



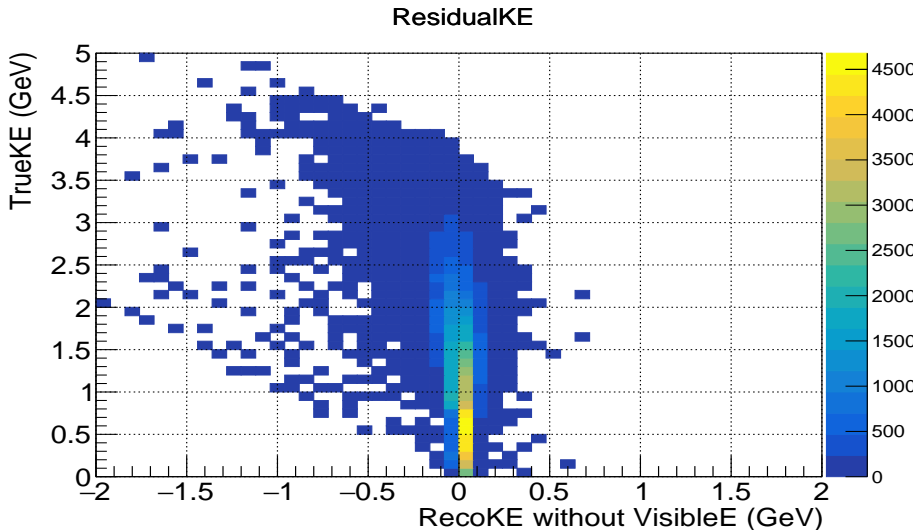
Reco Vs True KE



RecoKE with Visible energy

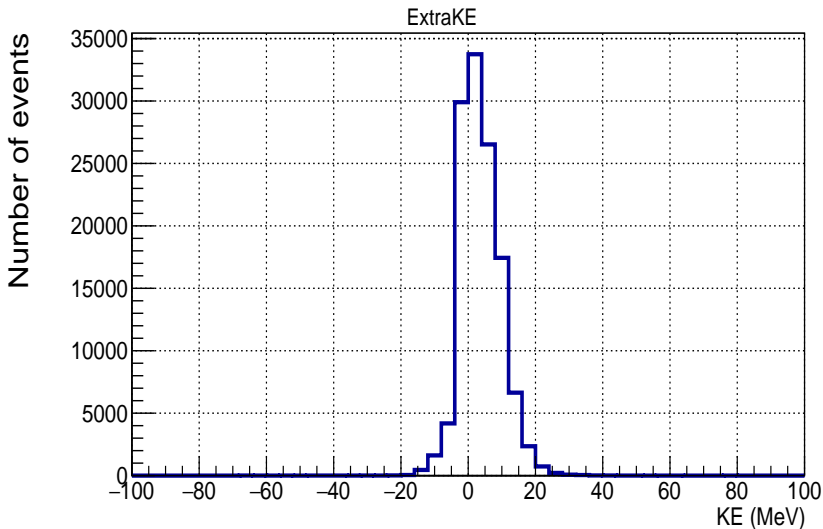


RecoKE without Visible energy

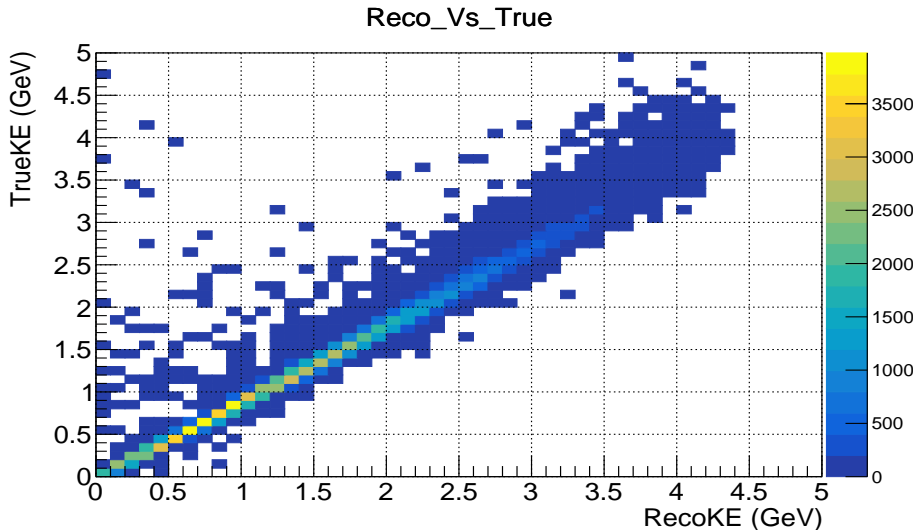


Back up

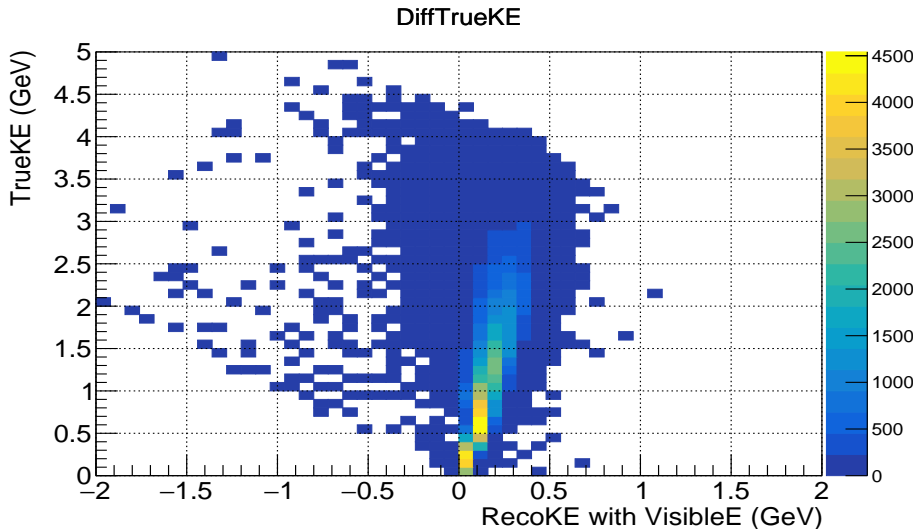
Extra energy; $E_{mip} = 1.8 \times \#planes$;



Reco Vs True KE



RecoKE with Visible energy



RecoKE without Visible energy

