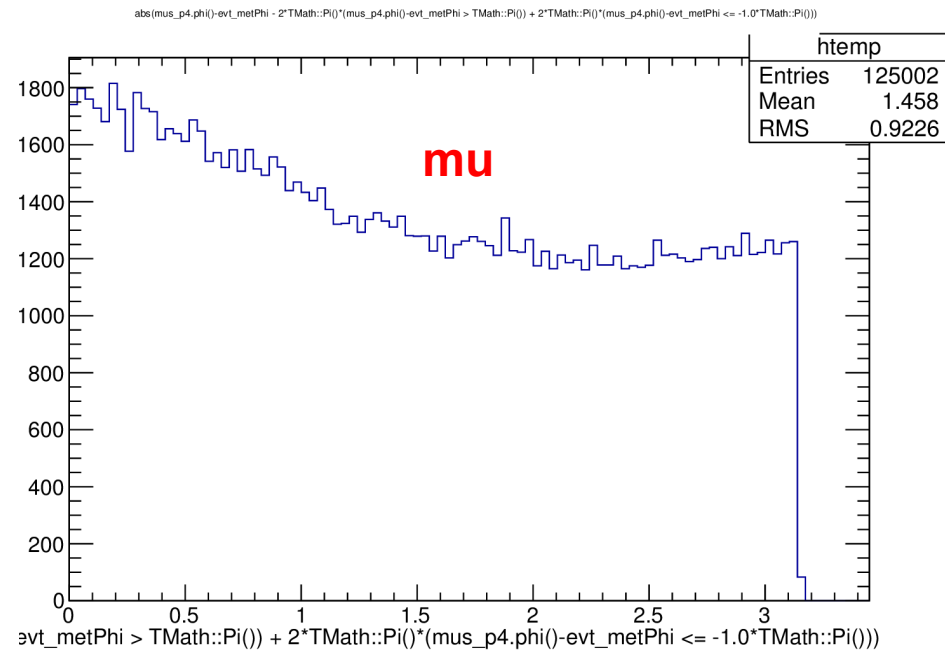
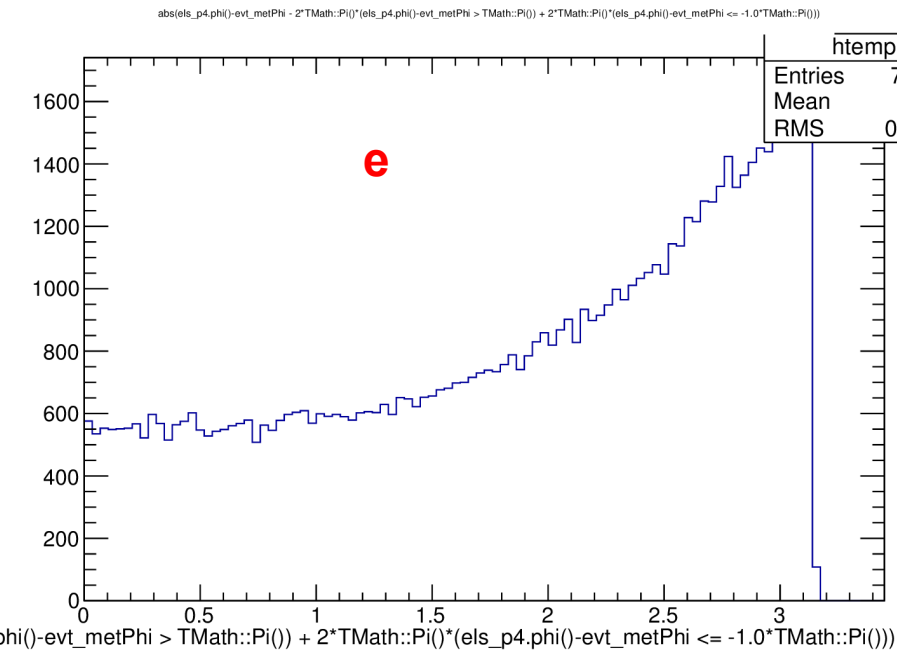


MT *e* vs *mu*

- Recall that MT distributions were characteristically different in the low MT region
- Looked at 3 parameters of MT calculation for *e* and *mu* separately (dphi, met, pt)
- pt, met are almost identical
- **dphi has opposing distributions for *e* and *mu***
 - This is the same case both in my babies and in AOD (next slide)

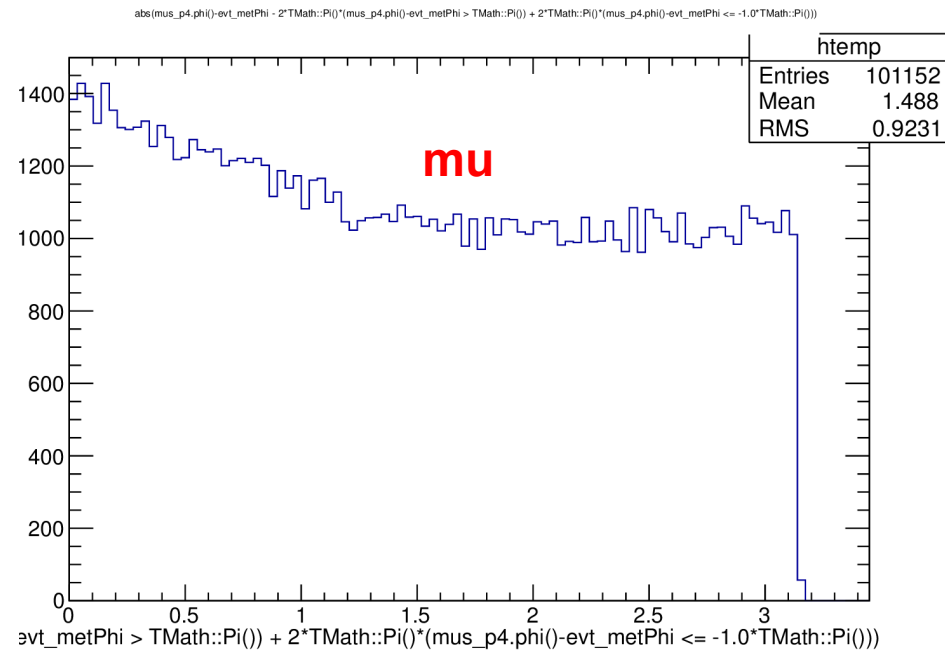
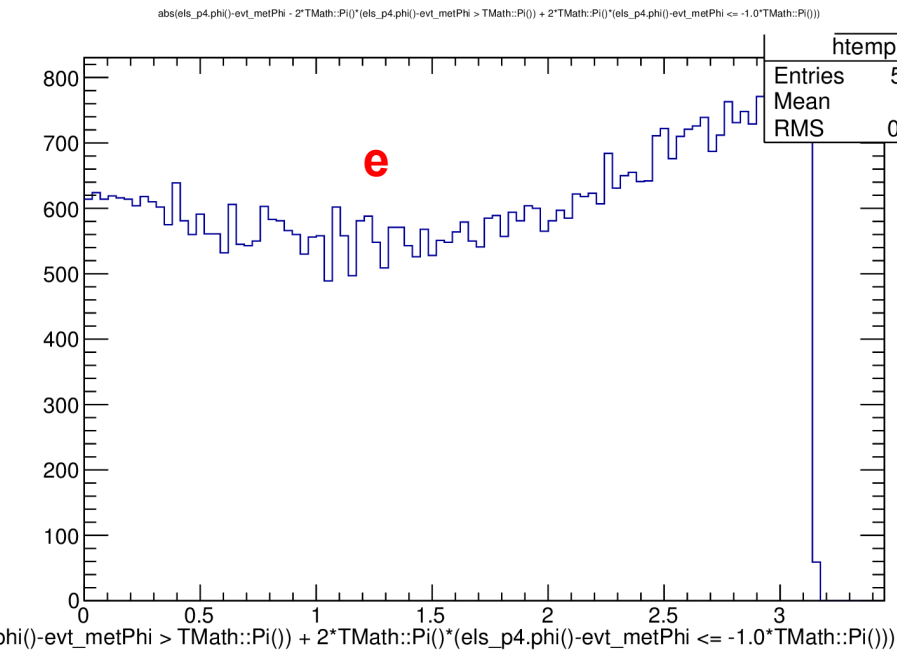
DeltaPhi in WZ AOD

DeltaPhi := |METphi - lepton phi|



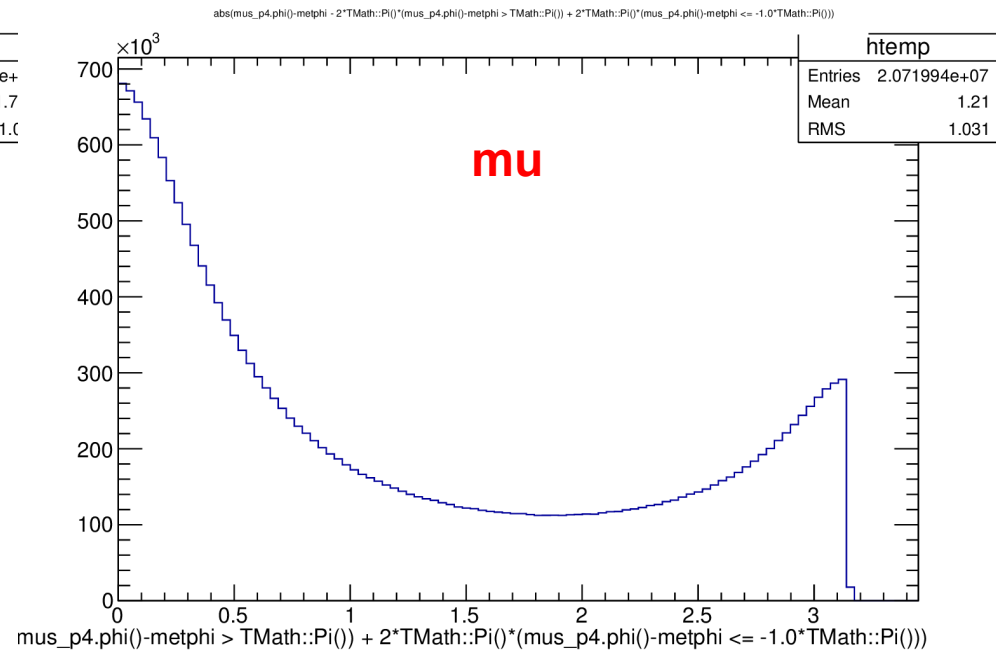
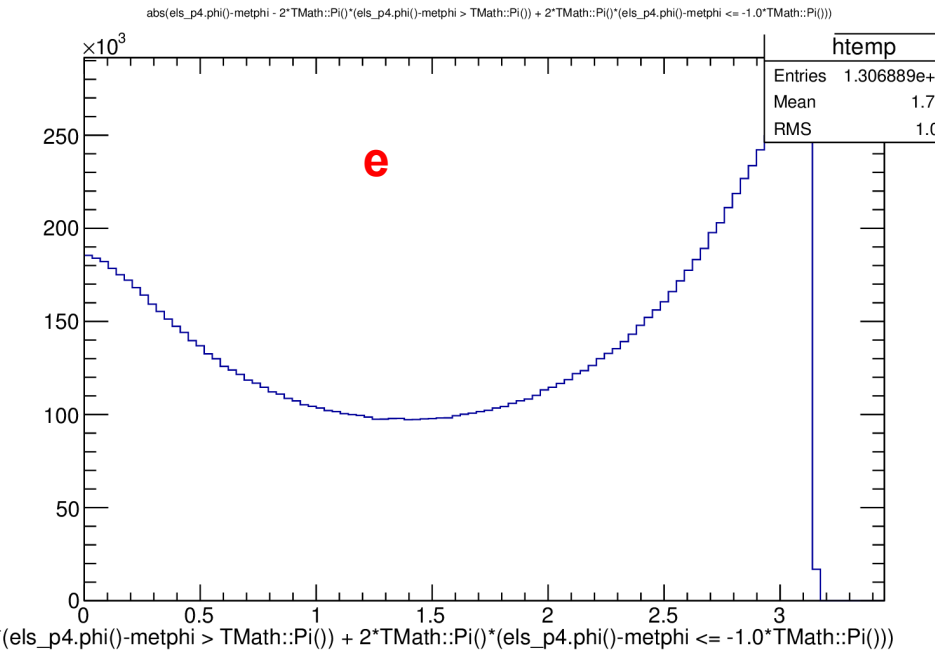
DeltaPhi in *DY* AOD

DeltaPhi := |METphi - lepton phi|



DeltaPhi in 2012 Data

DeltaPhi := |METphi - lepton phi|



METphi modulation

- Sinusoidal modulation in METphi
- Using vertex correction to fix this

