

# L2.5 & 3 Update

Eduardo E. Luigi

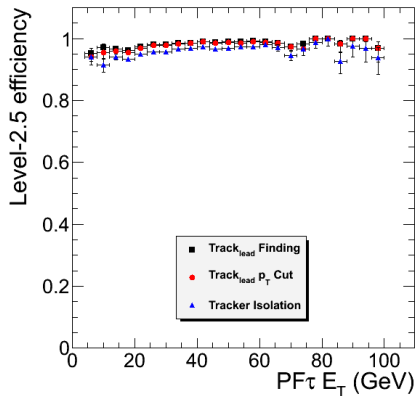
University of Colorado at Boulder

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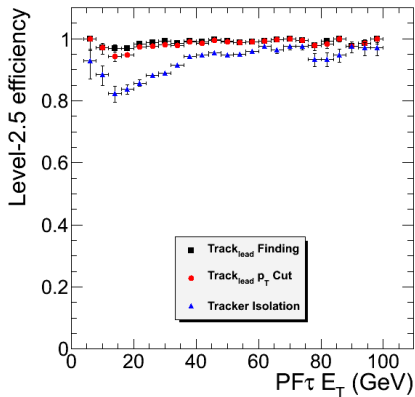
- ▶ Data
  - ▶  $Z \rightarrow \tau\tau$ : October Exercise
  - ▶ Compared to:  $W \rightarrow \mu\nu$  sample
- ▶ Offline selection
  - ▶ Isolated PFTau with  $E_T > 15$
  - ▶  $|\eta| < 2.0$
  - ▶ One or three prongs
  - ▶ Lead Track Pt  $> 5$

# Efficiency vs $E_T$

$$Z \rightarrow \tau\tau$$

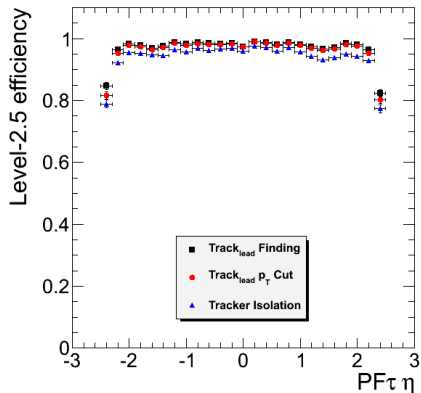


$$W \rightarrow \mu\nu$$

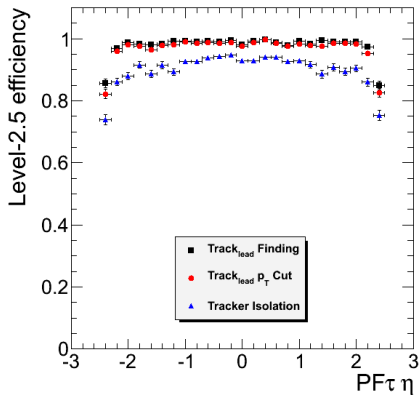


# Efficiency vs $\eta$

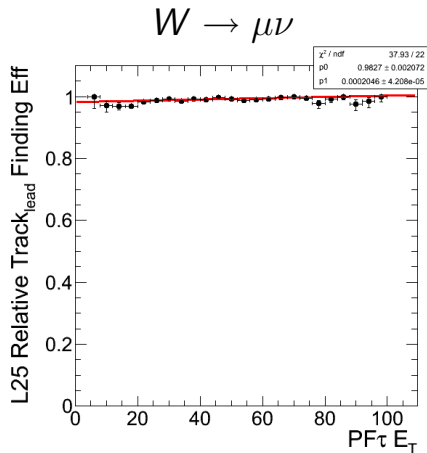
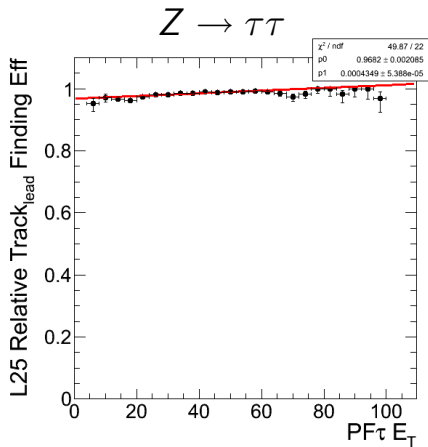
$$Z \rightarrow \tau\tau$$



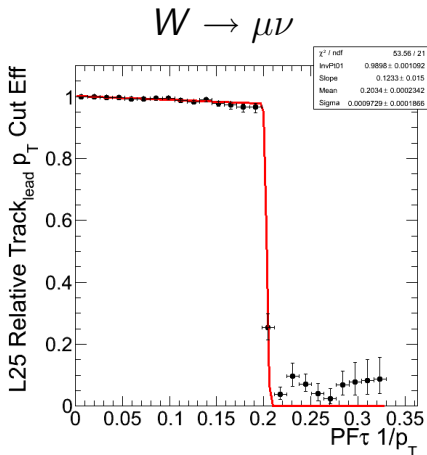
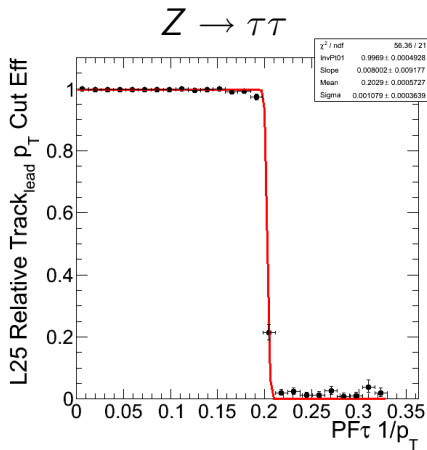
$$W \rightarrow \mu\nu$$



# Lead Track Finding Eff

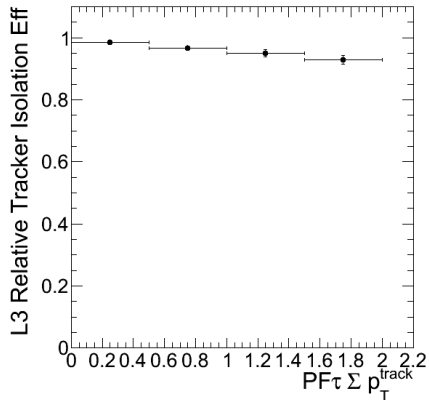


# Lead Track $p_T$ Eff



# Isolation Eff

$Z \rightarrow \tau\tau$



$W \rightarrow \mu\nu$

