

Selection: $p_T > 250$ GeV, $|\eta| < 2.0$
TEST_CalibmassiveW_mTAS

ATLAS Work In Progress



Calo Jet Mass / True Jet Mass



TAS Jet Mass / True Jet Mass

entries: 1832
 $\mu = 1.008 \pm 0.000$
 $\sigma = 0.083 \pm 0.000$
 $\text{Int}_{\text{calo}}^{(-\infty; \mu - \sigma)} = 384$ (21.0 %)
 $\text{Int}_{\text{calo}}^{(\mu + \sigma; \infty)} = 356$ (19.4 %)

entries: 1831
 $\mu = 0.967 \pm 0.000$
 $\sigma = 0.070 \pm 0.000$
 $\text{Int}_{\text{TAS}}^{(-\infty; \mu - \sigma)} = 496$ (27.1 %)
 $\text{Int}_{\text{TAS}}^{(\mu + \sigma; \infty)} = 375$ (20.5 %)
 $2100 \text{ GeV} < p_{T,J} < 2300 \text{ GeV}$

entries / bin width

9000
8000
7000
6000
5000
4000
3000
2000
1000

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

Reco / Truth jet mass