

Selection: $p_t > 250 \text{ GeV}$, $|\eta_{\text{jet}}| < 2.0$
mTAS_Tops_calibmCal_000ro

ATLAS Work In Progress



Calo Jet Mass / True Jet Mass



TAS Jet Mass / True Jet Mass

entries / bin width

18000
16000
14000
12000
10000
8000
6000
4000
2000

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

Reco / Truth jet mass

entries: 4196

$\mu = 1.006 \pm 0.000$

$\sigma = 0.077 \pm 0.000$

$\text{Int}_{\text{calo}}^{(-\infty; \mu - \sigma)} = 1019 \text{ (24.3 \%)}$

$\text{Int}_{\text{calo}}^{(\mu + \sigma; \infty)} = 781 \text{ (18.6 \%)}$

entries: 4194

$\mu = 0.957 \pm 0.000$

$\sigma = 0.081 \pm 0.000$

$\text{Int}_{\text{TA}}^{(-\infty; \mu - \sigma)} = 985 \text{ (23.5 \%)}$

$\text{Int}_{\text{TA}}^{(\mu + \sigma; \infty)} = 908 \text{ (21.6 \%)}$

$1300 \text{ GeV} < p_{T,J} < 1500 \text{ GeV}$