

Selection: $p_T > 250$ GeV, $|\eta| < 2.0$
mTAS_Comb_Higgs_calibmCal_003ro

ATLAS Work In Progress



Calo Jet Mass / True Jet Mass



TAS Jet Mass / True Jet Mass

entries / bin width

90000
80000
70000
60000
50000
40000
30000
20000
10000

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

Reco / Truth jet mass

entries: 18859

$\mu = 1.024 \pm 0.000$

$\sigma = 0.079 \pm 0.000$

$\text{Int}_{\text{calo}}^{(-\infty; \mu - \sigma)} = 4597$ (24.4 %)

$\text{Int}_{\text{calo}}^{(\mu + \sigma; \infty)} = 4022$ (21.3 %)

entries: 18857

$\mu = 0.993 \pm 0.000$

$\sigma = 0.068 \pm 0.000$

$\text{Int}_{\text{TA}}^{(-\infty; \mu - \sigma)} = 4653$ (24.7 %)

$\text{Int}_{\text{TA}}^{(\mu + \sigma; \infty)} = 3780$ (20.0 %)

$700 \text{ GeV} < p_{T,J} < 900 \text{ GeV}$