

Selection: $p_T > 250 \text{ GeV}$, $|\eta| < 2.0$
 $m_{\text{TAS_W_calibmCal}}$

ATLAS Work In Progress



Calo Jet Mass / True Jet Mass



TAS Jet Mass / True Jet Mass

entries / bin width

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: 13887

$\mu = 1.031 \pm 0.000$

$\sigma = 0.089 \pm 0.000$

$\text{Int}_{\text{calo}}^{(-\infty; \mu - \sigma)} = 3176 \text{ (22.9 \%)}$

$\text{Int}_{\text{calo}}^{(\mu + \sigma; \infty)} = 2373 \text{ (17.1 \%)}$

entries: 13885

$\mu = 0.955 \pm 0.000$

$\sigma = 0.074 \pm 0.000$

$\text{Int}_{\text{TA}}^{(-\infty; \mu - \sigma)} = 3464 \text{ (24.9 \%)}$

$\text{Int}_{\text{TA}}^{(\mu + \sigma; \infty)} = 2860 \text{ (20.6 \%)}$

$500 \text{ GeV} < p_{T,J} < 700 \text{ GeV}$