

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

30000  
25000  
20000  
15000  
10000  
5000

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

Reco / Truth jet mass

entries: 6572

$\mu = 1.010 \pm 0.000$

$\sigma = 0.070 \pm 0.000$

$\text{Int}_{\text{calo}}^{(-\infty; \mu - \sigma)} = 1591 \text{ (24.2 \%)}$

$\text{Int}_{\text{calo}}^{(\mu + \sigma; \infty)} = 1342 \text{ (20.4 \%)}$

entries: 6565

$\mu = 0.954 \pm 0.000$

$\sigma = 0.069 \pm 0.000$

$\text{Int}_{\text{TA}}^{(-\infty; \mu - \sigma)} = 1613 \text{ (24.6 \%)}$

$\text{Int}_{\text{TA}}^{(\mu + \sigma; \infty)} = 1296 \text{ (19.7 \%)}$

$900 \text{ GeV} < p_{T,J} < 1100 \text{ GeV}$