

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

200

180

160

140

120

100

80

60

40

20

0

0.2

0.4

0.6

0.8

1

1.2

1.4

1.6

1.8

2

Reco / Truth jet mass

entries: 79

$\mu = 1.022 \pm 0.043$

$\sigma = 0.105 \pm 0.102$

$\text{Int}_{\text{calo}}^{(-\infty; \mu - \sigma)} = 22$ (27.8 %)

$\text{Int}_{\text{calo}}^{(\mu + \sigma; \infty)} = 15$ (19.0 %)

entries: 79

$\mu = 1.008 \pm 0.019$

$\sigma = 0.110 \pm 0.117$

$\text{Int}_{\text{TAS}}^{(-\infty; \mu - \sigma)} = 19$ (24.1 %)

$\text{Int}_{\text{TAS}}^{(\mu + \sigma; \infty)} = 17$ (21.5 %)

$2100 \text{ GeV} < p_{T,J} < 2300 \text{ GeV}$