

Selection: $p_t > 250 \text{ GeV}$, $|\eta| < 2.0$
Higgs_mTAS_Calib

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

$\mu=1.022\pm0.043$

$\sigma=0.105\pm0.102$

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

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

entries: 79

$\mu=0.978\pm0.047$

$\sigma=0.105\pm0.108$

$\text{Int}_{\text{TAS}}^{(-\infty;\mu-\sigma)} = 21 \text{ (26.6 \%)}$

$\text{Int}_{\text{TAS}}^{(\mu+\sigma;\infty)} = 25 \text{ (31.6 \%)}$

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