13000 GeV pp

t̄t

Parton-level t̄t invariant mass, $|y^{t\bar{t}}| \in [1,2]$

■ ATLAS

— Pythia 8.307 ppthermNoScat

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2022_I2077575)

$1 / \sigma \# \#cdot \# d^2\sigma / d|y^{t\bar{t}}| dm^{t\bar{t}} \# [\{TeV\}]^{-1}$

Ratio to ATLAS

$m^{t\bar{t}} \# [\{TeV\}]$