

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(t\bar{t}b\bar{a})$ (ATLAS semileptonic $t\bar{t}b\bar{a}$)

- Legend:
- ATLAS
 - - ■ Pythia 6.428 359
 - - △ Pythia 6.428 370
 - - ▲ Pythia 6.428 a
 - - ▼ Pythia 6.428 dw
 - - ○ Pythia 6.428 p0
 - - ☆ Pythia 6.428 pro-q20

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2019_I1750330)

Ratio to ATLAS

