

13000 GeV pp

 $t\bar{t}$ $\Delta\phi(\ell\ell)$ (ATLAS for leptoquark search)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig++ 2.7.1 UE-EE-5
- Herwig 7.0.4 default

 $d\sigma/d\min \Delta\phi(\ell\ell)$ [pb/rad]Rivet 3.1.10, $\geq 400k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019 J1518132

Ratio to ATLAS

2

1

0.5

 $\min \Delta\phi(\ell\ell)$ [rad]