

7000 GeV pp

Underlying Event

Average $\Sigma(p_T)$ vs p_T^{lead} (NSD)

- CMS
- ▲ Pythia 8.170 default
- - □ - - Pythia 8.170 tune-4cx

 $\langle d^2 \text{sum}(p_T)/d\eta d\phi \rangle$ [GeV]

5

4

3

2

1

0

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2011_S9120641

Ratio to CMS

2

1

0.5

2

1

0.5

 p_T (leading track-jet) [GeV]

0

50

100