

7000 GeV pp

Underlying Event

Sum( $p_T$ ) Density (TRNS) (NSD) $\langle d^2 \text{sum}(p_T) / d\eta d\phi \rangle$  [GeV]6  
5  
4  
3  
2  
1  
0

- CMS
- ▲ Pythia 8.301 default
- -▲ Pythia 8.301 default-CD
- -▲ Pythia 8.301 default-DL
- ⋯▲ Pythia 8.301 default-MBR

CMS\_2011\_S9120041

Rivet 3.1.0,  $\geq 6.9M$  events  
mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2  
1  
0.52  
1  
0.50 50 100  
 $p_T$  (leading track-jet) [GeV]