

7000 GeV pp

Underlying Event

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

- CMS
- △ Pythia 6.428 370
- ⋯△ Pythia 6.428 373
- -○ Pythia 6.428 374
- ⋯○ Pythia 6.428 375
- -△ Pythia 6.428 381
- -▽ Pythia 6.428 382

8  
7  
6  
5  
4  
3  
2  
1  
0

CMS\_2011\_S9120041

Rivet 3.1.0,  $\geq 14$ M 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]