

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 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.301 default

Rivet 3.1.0,  $\geq 7.8M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S9120041

Ratio to CMS

0 2 4 6 8 10

0 2 4 6 8 10

0 50 100

$p_T$  (leading track-jet) [GeV]

2

1

0.5