

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density,  $p_T^{\text{lead}} > \{10 \text{ GeV}\}$  $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$ 5  
4  
3  
2  
1  
0

- ATLAS
- Pythia 6.428 345
- Pythia 6.428 346
- △- Pythia 6.428 370
- Pythia 6.428 default
- ▲- Pythia 8.315 default

Rivet 4.1.0,  $\geq 2.9\text{M}$  events  
mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2017\_I1509919)

Ratio to ATLAS

2  
1  
0.52  
1  
0.50 50 100 150  
 $|\Delta\phi|$  [degrees]