

CMS, TransMAX  $N_{ch}$  density,  $\sqrt{s} = \{2760 \text{ GeV}\}$ 

- CMS
- △ Pythia 6.428 370
- - \* Pythia 6.428 379
- - △ Pythia 6.428 ambt1
- - ● Pythia 6.428 z2

 $\# \langle N \rangle / [\Delta \eta \Delta(\Delta \phi)]$ 6  
5  
4  
3  
2  
1  
0Rivet 4.1.0,  $\geq 100k$  events  
mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2015\_I1385107)

Ratio to CMS

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