

$\langle N_{\text{ch}} \rangle$  vs  $p_{\text{T}}^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_{\text{T}} > 0.5$  GeV,  $p_{\text{T}1} > 1$  GeV)

- ATLAS
- ▲ Pythia 8.308 default
- ✱ Pythia 8.308 tune-4c
- Pythia 8.308 tune-4cx

 $\langle N_{\text{ch}} / \Delta \eta \text{ delta} \phi \rangle$ 
Rivet 3.1.10,  $\geq 2.2\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2017\_I1509919

Ratio to ATLAS

2  
1  
0.52  
1  
0.5

0 10 20 30  $p_{\text{T}}^{\text{lead}}$  [GeV]

