

7000 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$ vs ϕ^{lead} ($|\eta| < 2.5$, $p_{\text{T}} > 0.5$ GeV, $p_{\text{T}1} > 5$ GeV)

■ ATLAS
—▲ Pythia 8.308 default

Rivet 3.1.10, 2.8M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

 $|\phi|$ (w.r.t. leading track) [rad]