

7000 GeV pp

Underlying Event

Transverse  $K_s^0$  particle density at  $\sqrt{s}=7$  TeV,  $p_T > 0.6$  GeV

- CMS
- - ■ Pythia 6.428 359
- - △ Pythia 6.428 370
- - ▲ Pythia 6.428 a
- - ▼ Pythia 6.428 dw
- - ○ Pythia 6.428 p0
- - ☆ Pythia 6.428 pro-q20

 $\# \langle N_K \rangle / d\eta d\phi$  $10^{-2}$   
 $10^{-1}$ Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2012\_PAS\_QCD\_11\_010)

Ratio to CMS

0.5  
1  
20.5  
1  
2leading jet  $p_T$  [GeV]

0

20

40