

7000 GeV pp

Soft QCD

Total EF -- hard scattering events ( $p_T > 3$  GeV),  $\sqrt{s}=7$  TeV

- LHCb
- + Epos 1.99.crmc.1.2 lhc
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.428 370
- ▲ Pythia 8.315 default

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(LHCb\_2013\_I1208105)

