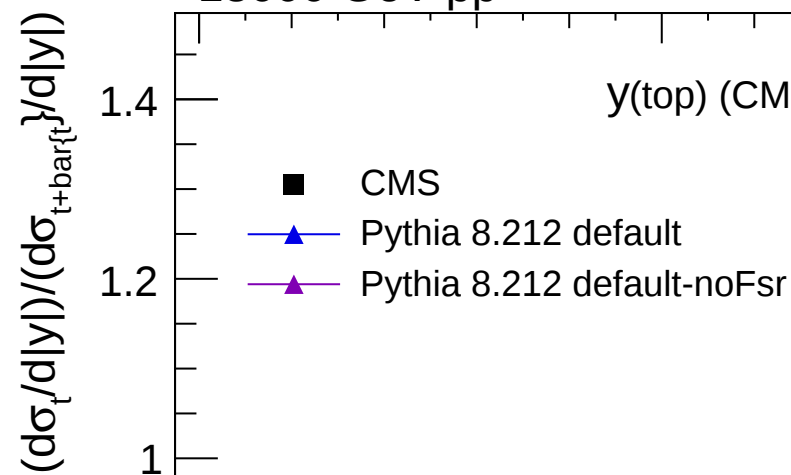


13000 GeV pp

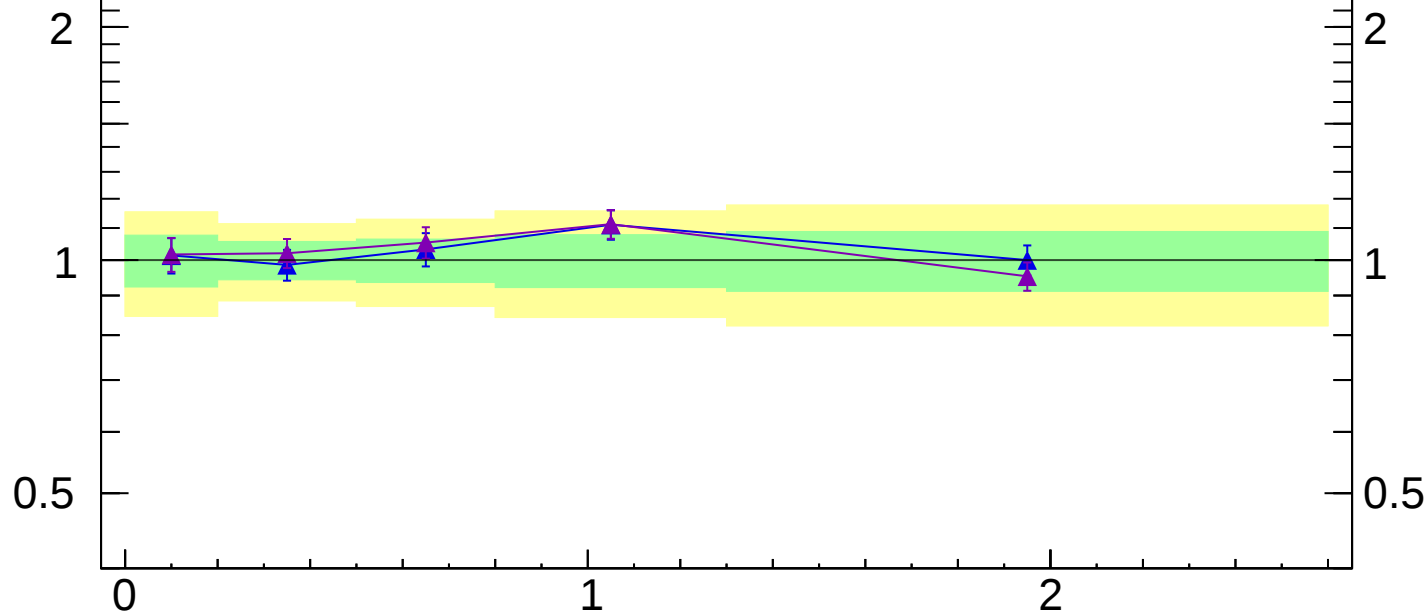
Top (t-channel)

 $y(\text{top})$  (CMS single top)Rivet 3.1.10,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2019\_I1744604

Ratio to CMS

Particle-level top quark  $|y|$