## CMS Work in Progress 137.1 fb-1(13 TeV) 0.1 Efficiency Parton 2016\_preVFP 2016\_postVFP 2017 0.09 2018 Combined 0.08 0.07 0.06 0.05 0.04 0.03 0.02 0.01 0 400 600 800 1000 1200 1400 1600 partonPt1 (GeV)