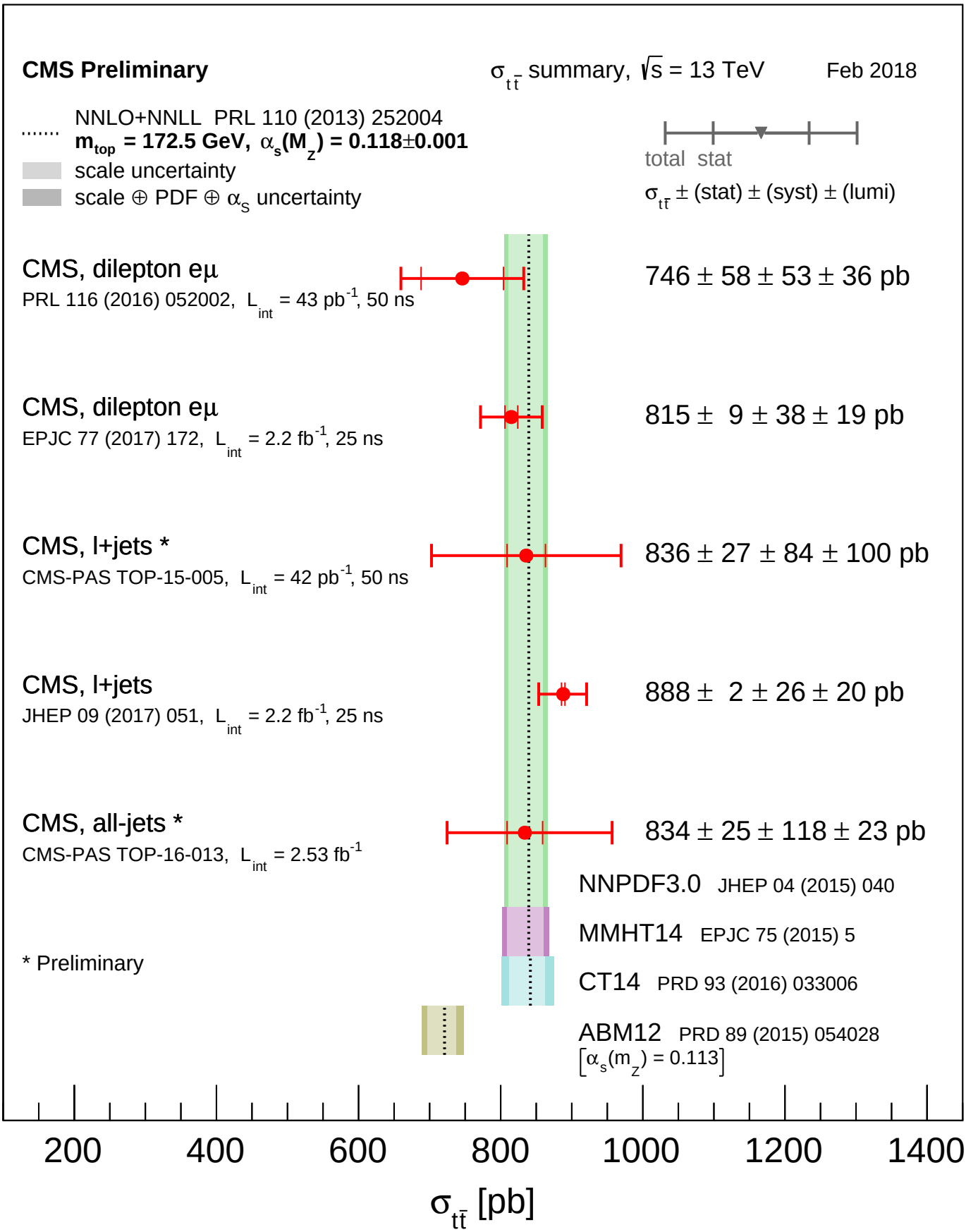
CMS Preliminary
σ tt̄ summary, √s = 13 TeV
Feb 2018
NNLO+NNLL PRL 110 (2013) 252004
m_top = 172.5 GeV, α_s(M_Z) = 0.118±0.001
scale uncertainty
scale ⊕ PDF ⊕ α_S uncertainty
total stat
σ_tt̄ ± (stat) ± (syst) ± (lumi)
CMS, dilepton eμ
PRL 116 (2016) 052002, L_int = 43 pb^-1, 50 ns
746 ± 58 ± 53 ± 36 pb
CMS, dilepton eμ
EPJC 77 (2017) 172, L_int = 2.2 fb^-1, 25 ns
815 ± 9 ± 38 ± 19 pb
CMS, l+jets *
CMS-PAS TOP-15-005, L_int = 42 pb^-1, 50 ns
836 ± 27 ± 84 ± 100 pb
CMS, l+jets
JHEP 09 (2017) 051, L_int = 2.2 fb^-1, 25 ns
888 ± 2 ± 26 ± 20 pb
CMS, all-jets *
CMS-PAS TOP-16-013, L_int = 2.53 fb^-1
834 ± 25 ± 118 ± 23 pb
NNPDF3.0 JHEP 04 (2015) 040
MMHT14 EPJC 75 (2015) 5
CT14 PRD 93 (2016) 033006
ABM12 PRD 89 (2015) 054028
[α_s(m_Z) = 0.113]
* Preliminary
200
400
600
800
1000
1200
1400
σ tt̄ [pb]