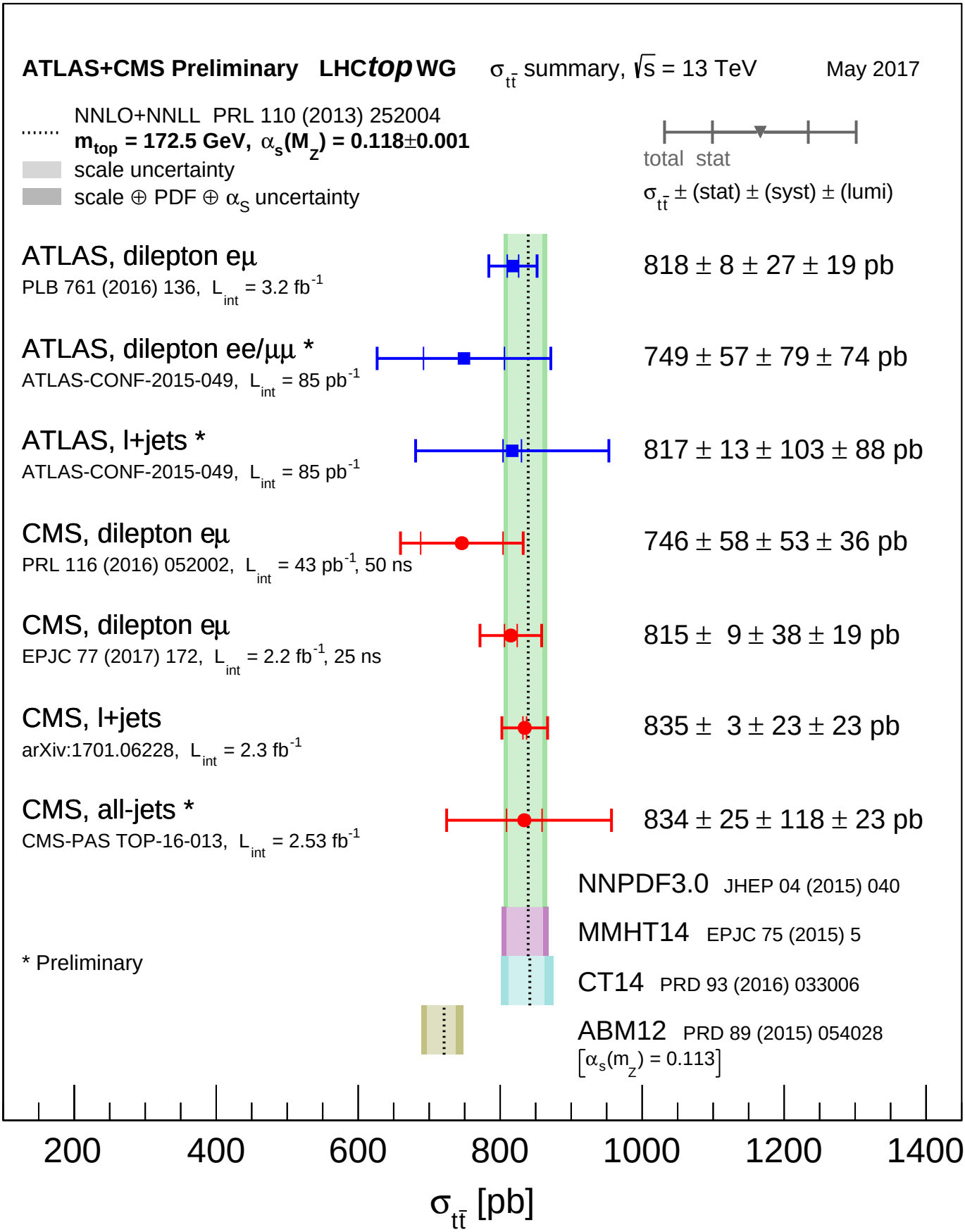
ATLAS+CMS Preliminary LHCtopWG
σtt̄ summary, √s = 13 TeV
May 2017
NNLO+NNLL PRL 110 (2013) 252004
mtop = 172.5 GeV, αs(MZ) = 0.118±0.001
scale uncertainty
scale ⊕ PDF ⊕ αS uncertainty
total stat
σtt̄ ± (stat) ± (syst) ± (lumi)
ATLAS, dilepton eμ
PLB 761 (2016) 136, Lint = 3.2 fb-1
818 ± 8 ± 27 ± 19 pb
ATLAS, dilepton ee/μμ *
ATLAS-CONF-2015-049, Lint = 85 pb-1
749 ± 57 ± 79 ± 74 pb
ATLAS, l+jets *
ATLAS-CONF-2015-049, Lint = 85 pb-1
817 ± 13 ± 103 ± 88 pb
CMS, dilepton eμ
PRL 116 (2016) 052002, Lint = 43 pb-1, 50 ns
746 ± 58 ± 53 ± 36 pb
CMS, dilepton eμ
EPJC 77 (2017) 172, Lint = 2.2 fb-1, 25 ns
815 ± 9 ± 38 ± 19 pb
CMS, l+jets
arXiv:1701.06228, Lint = 2.3 fb-1
835 ± 3 ± 23 ± 23 pb
CMS, all-jets *
CMS-PAS TOP-16-013, Lint = 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
[αs(mZ) = 0.113]
* Preliminary
200
400
600
800
1000
1200
1400
σtt̄ [pb]