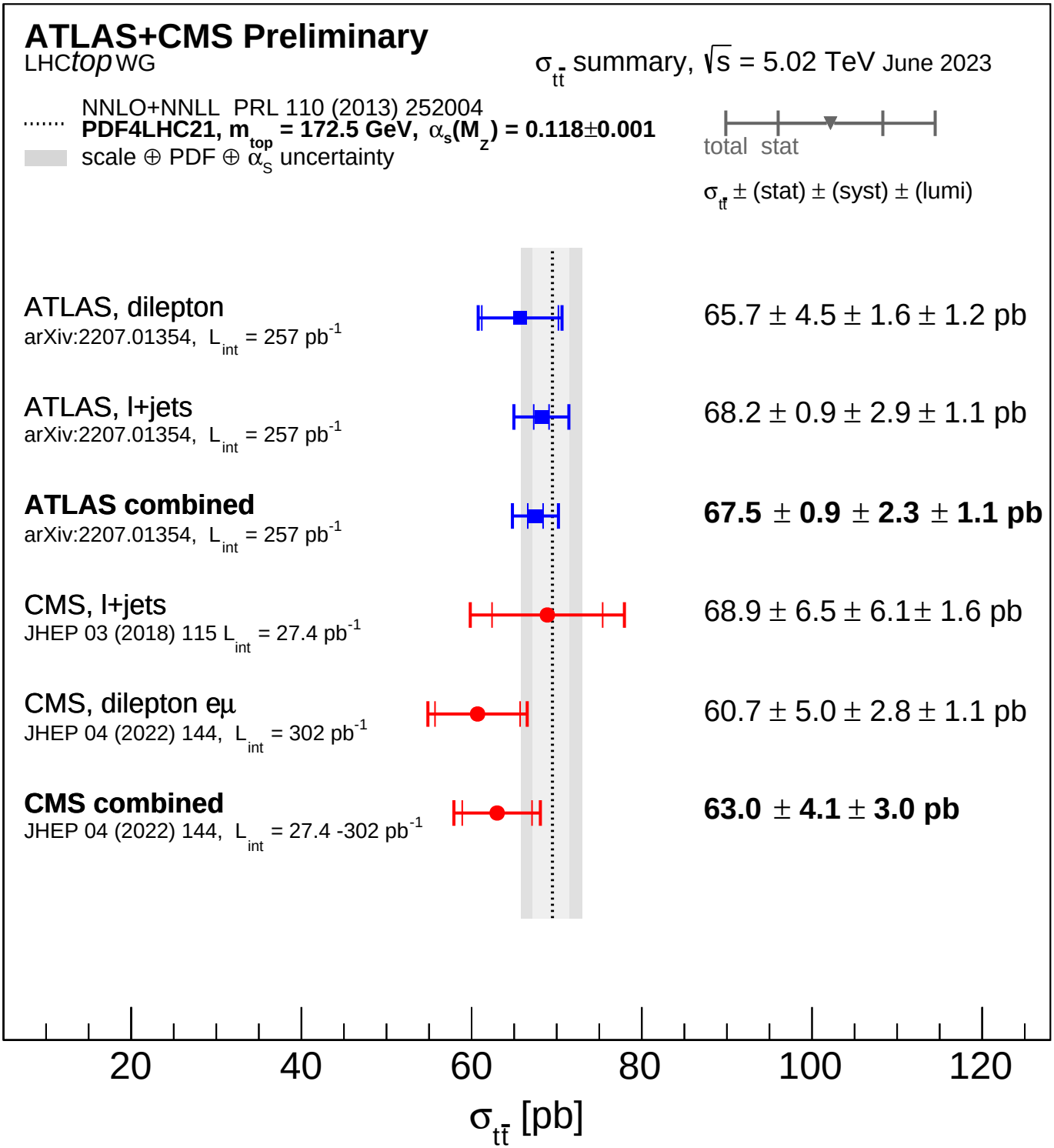
ATLAS+CMS Preliminary
LHCtop WG
σtt summary, √s = 5.02 TeV June 2023
NNLO+NNLL PRL 110 (2013) 252004
PDF4LHC21, mtop = 172.5 GeV, αs(MZ) = 0.118±0.001
scale ⊕ PDF ⊕ αS uncertainty
total stat
σtt ± (stat) ± (syst) ± (lumi)
ATLAS, dilepton
arXiv:2207.01354, Lint = 257 pb-1
65.7 ± 4.5 ± 1.6 ± 1.2 pb
ATLAS, l+jets
arXiv:2207.01354, Lint = 257 pb-1
68.2 ± 0.9 ± 2.9 ± 1.1 pb
ATLAS combined
arXiv:2207.01354, Lint = 257 pb-1
67.5 ± 0.9 ± 2.3 ± 1.1 pb
CMS, l+jets
JHEP 03 (2018) 115 Lint = 27.4 pb-1
68.9 ± 6.5 ± 6.1± 1.6 pb
CMS, dilepton eμ
JHEP 04 (2022) 144, Lint = 302 pb-1
60.7 ± 5.0 ± 2.8 ± 1.1 pb
CMS combined
JHEP 04 (2022) 144, Lint = 27.4 -302 pb-1
63.0 ± 4.1 ± 3.0 pb
20
40
60
80
100
120
σtt [pb]