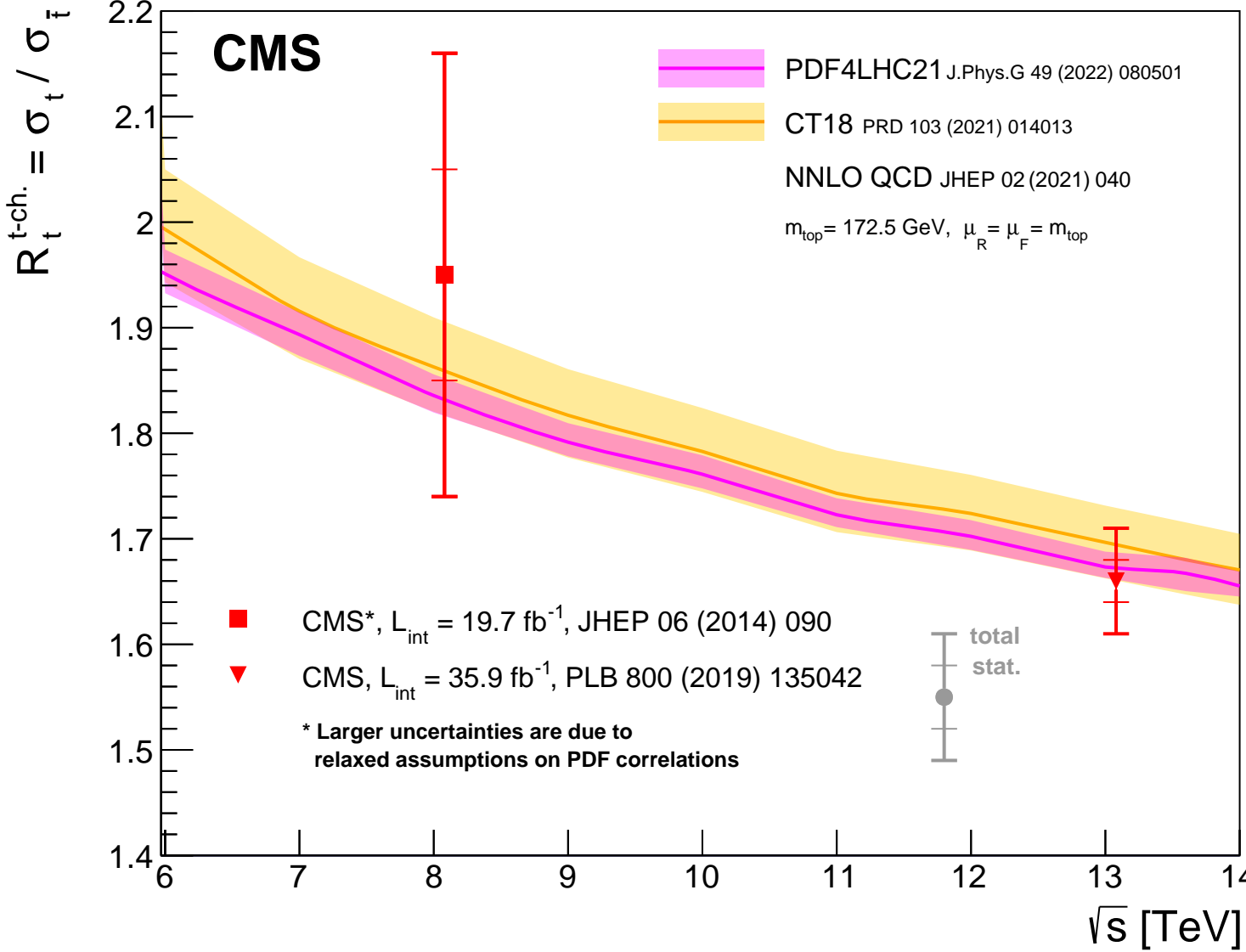


# CMS



PDF4LHC21 J.Phys.G 49 (2022) 080501

CT18 PRD 103 (2021) 014013

NNLO QCD JHEP 02 (2021) 040

$m_{\text{top}} = 172.5 \text{ GeV}$ ,  $\mu_R = \mu_F = m_{\text{top}}$

■ CMS\*,  $L_{\text{int}} = 19.7 \text{ fb}^{-1}$ , JHEP 06 (2014) 090

▼ CMS,  $L_{\text{int}} = 35.9 \text{ fb}^{-1}$ , PLB 800 (2019) 135042

\* Larger uncertainties are due to relaxed assumptions on PDF correlations

total stat.