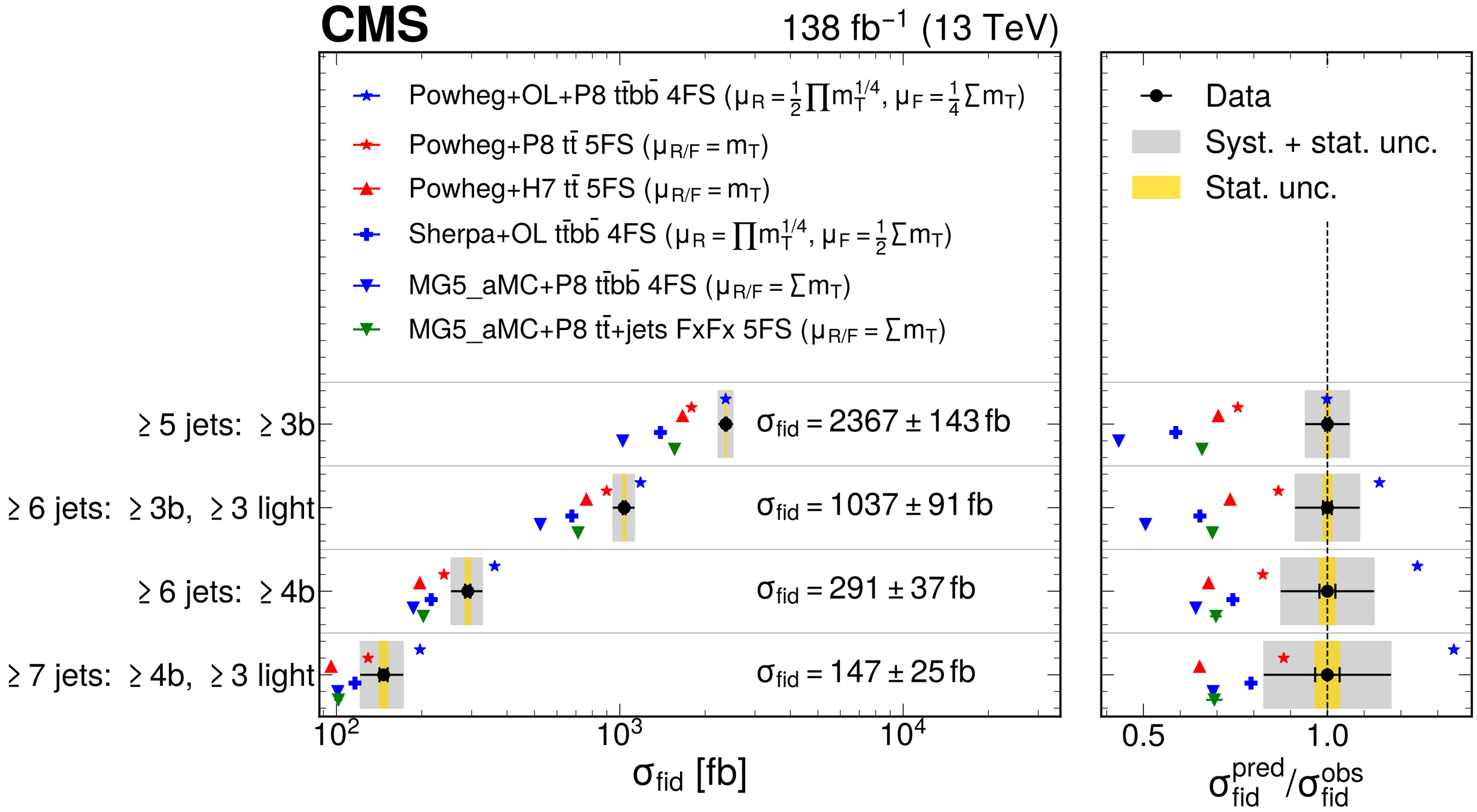
CMS
138 fb^{-1} (13 TeV)
Powheg+OL+P8 $t\bar{t}b\bar{b}$ 4FS ($\mu_R = \frac{1}{2}\prod m_T^{1/4}$, $\mu_F = \frac{1}{4}\sum m_T$)
Powheg+P8 $t\bar{t}$ 5FS ($\mu_{R/F} = m_T$)
Powheg+H7 $t\bar{t}$ 5FS ($\mu_{R/F} = m_T$)
Sherpa+OL $t\bar{t}b\bar{b}$ 4FS ($\mu_R = \prod m_T^{1/4}$, $\mu_F = \frac{1}{2}\sum m_T$)
MG5_aMC+P8 $t\bar{t}b\bar{b}$ 4FS ($\mu_{R/F} = \sum m_T$)
MG5_aMC+P8 $t\bar{t}$+jets FxFx 5FS ($\mu_{R/F} = \sum m_T$)
Data
Syst. + stat. unc.
Stat. unc.
≥ 5 jets: ≥ 3b
$\sigma_{fid} = 2367 \pm 143$ fb
≥ 6 jets: ≥ 3b, ≥ 3 light
$\sigma_{fid} = 1037 \pm 91$ fb
≥ 6 jets: ≥ 4b
$\sigma_{fid} = 291 \pm 37$ fb
≥ 7 jets: ≥ 4b, ≥ 3 light
$\sigma_{fid} = 147 \pm 25$ fb
10^2
10^3
10^4
σ_{fid} [fb]
0.5
1.0
$\sigma_{fid}^{pred}/\sigma_{fid}^{obs}$