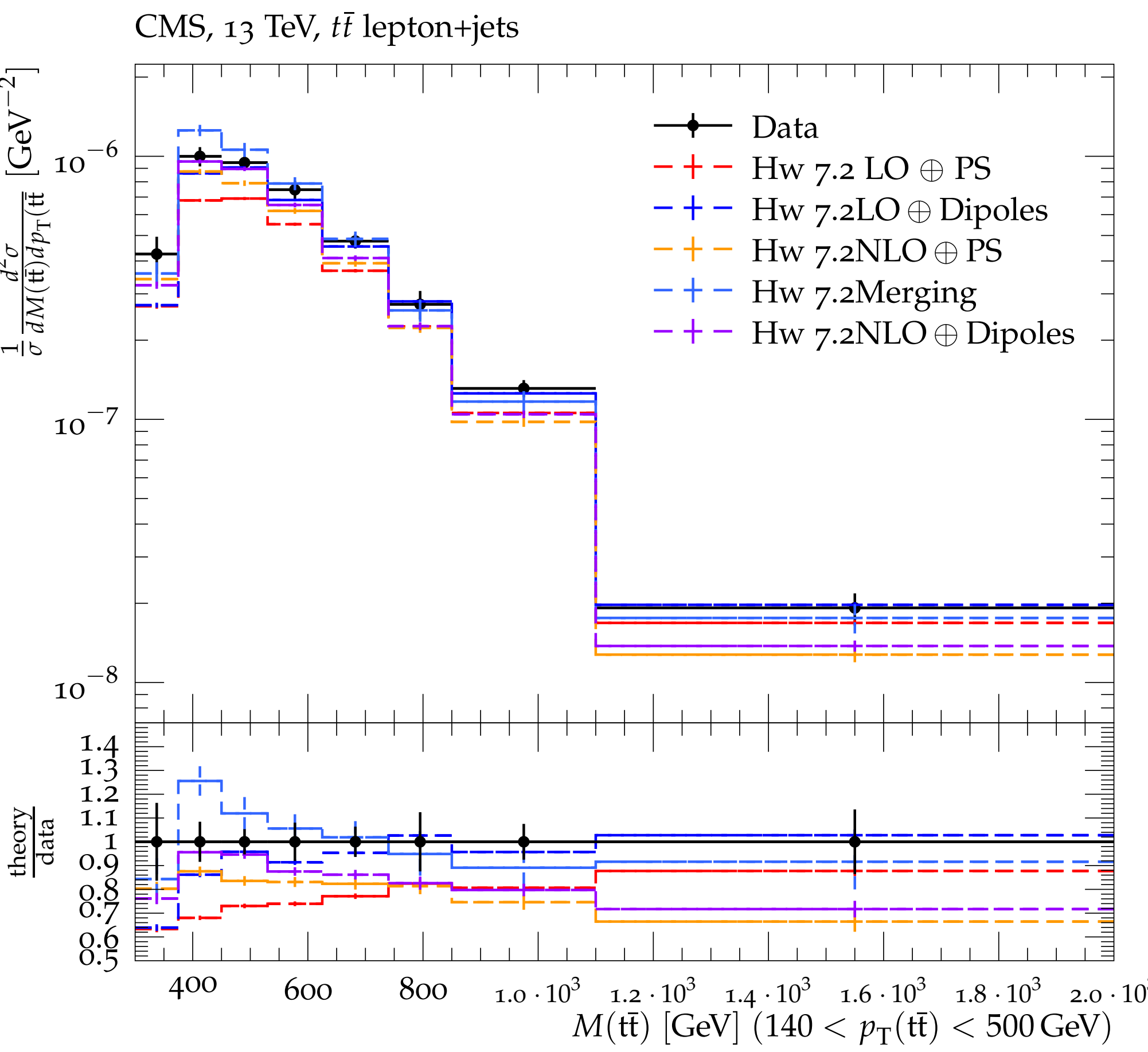
CMS, 13 TeV, $t\bar{t}$ lepton+jets
Data
Hw 7.2 LO ⊕ PS
Hw 7.2LO ⊕ Dipoles
Hw 7.2NLO ⊕ PS
Hw 7.2Merging
Hw 7.2NLO ⊕ Dipoles
$\frac{1}{\sigma}\frac{d^2\sigma}{dM(t\bar{t})dp_T(t\bar{t})}$ [GeV^{-2}]
10^{-6}
10^{-7}
10^{-8}
$\frac{\text{theory}}{\text{data}}$
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
400
600
800
$1.0 \cdot 10^3$
$1.2 \cdot 10^3$
$1.4 \cdot 10^3$
$1.6 \cdot 10^3$
$1.8 \cdot 10^3$
$2.0 \cdot 10^3$
$M(t\bar{t})$ [GeV] $(140 < p_T(t\bar{t}) < 500\,\text{GeV})$