

| source | magnitude | effect on yield | non-prompt | WZ | MC bkg.* | sig |
|----------------------|-------------------------|---|------------|----|-----------------------------------|-----|
| luminosity | 6.2% | 6.2% | | | ✓ | ✓ |
| jet energy scale | 1 – 8% | 1 – 10% | | ✓ | ✓ | ✓ |
| b-tag efficiency | 5 – 10% | 1 – 20% | | ✓ | ✓ | ✓ |
| pileup | 5% | 1 – 5% | | ✓ | ✓ | ✓ |
| lepton efficiencies | $\approx 3\%$ per leg | 9% | | | ✓ | ✓ |
| HLT efficiencies | 3% | 3% | | | ✓ | ✓ |
| lepton eff. FastSim | 2% per leg | 6% | | | | ✓ |
| appl. region stat. | 15 – 100% | 15 – 100% | ✓ | | | |
| non-prompt extrapol. | 30% | 30% | ✓ | | | |
| EWK subtraction | 100% (ewk. SF) | 5% | ✓ | | | |
| WZ CR normalization | 15% | 15% | | ✓ | | |
| WZ CR extrapolation | 10 – 30% | 10 – 30% | | ✓ | | |
| MonteCarlo stat. | 1 – 100% | 1 – 100% | | ✓ | ✓ | ✓ |
| QCD scales | $\times 0.5 / \times 2$ | 11 – 13% (σ) and 3 – 18% (\mathcal{A}) | | | $t\bar{t}W, t\bar{t}Z, t\bar{t}H$ | |
| PDFs | – | 2 – 3% | | | $t\bar{t}W, t\bar{t}Z, t\bar{t}H$ | |
| NLO/LO | – | 13 – 30% (6 – 70%) | | | $t\bar{t}W (t\bar{t}Z)$ | |
| other rare bkg. | 50% | 50% | | | rare processes and $X+\gamma$ | |

* refers to $t\bar{t}W, t\bar{t}Z, t\bar{t}H, X+\gamma$, and rare processes