

| | Shape | Main backgrounds (V+jets, $t\bar{t}$) | Other backgrounds (t+X, VV, Vh) | Signal |
|------------------------------------|----------------------|---|------------------------------------|--------|
| Lepton and trigger efficiency | ✓ | — | 2–3% | 2–3% |
| Jet energy scale | ✓ | — | 5% | 2–6% |
| Jet energy resolution | ✓ | — | 2% | 1–2% |
| b tagging | ✓ | — | 4% | 4–12% |
| Unclustered p_T^{miss} | ✓ | — | 1% | 1% |
| Pileup | ✓ | — | 1% | 1% |
| PDF | ✓ | — | 3–5% | 4–8% |
| Top quark p_T modeling | ✓ (only $t\bar{t}$) | 8–14% | — | — |
| Fact. and renorm. scale | ✓ | — | 2–6% | 6–14% |
| Monte Carlo modeling | ✓ | | 1–15 % | — |
| Monte Carlo event count | ✓ | | 1–20% | — |
| Interpolation to SR | | | 2–10% | — |
| Extrapolation to ≥ 3 b tag SR | | 20–46% (≥ 3 b tag only) | | — |
| Cross section | | — | 2–10% | — |
| Integrated luminosity | | — | 2.5% | 2.5% |