

| Uncertainty             | Impact (%) |
|-------------------------|------------|
| <b>Experimental</b>     |            |
| lepton selection        | 3.2        |
| trigger efficiency      | 1.4        |
| jet energy scale        | 3.3        |
| b-tagging efficiency    | 1.7        |
| nonprompt normalization | 4.1        |
| t̄Z normalization       | 1.0        |
| luminosity              | 1.7        |
| pileup                  | 1.9        |
| other                   | 1.3        |
| <b>Theoretical</b>      |            |
| final-state radiation   | 2.0        |
| tZq QCD scale           | 2.0        |
| t̄Z QCD scale           | 1.4        |