

Systematic uncertainty

Impact

Common

| | |
|--|-------------|
| Muon efficiency | 24% |
| Electron efficiency | 22% |
| Lepton veto efficiency | 16% |
| b jet tag efficiency | 3.2% |
| $W(l\nu) + \text{jets}/Z(\nu\nu) + \text{jets}$ ratio theory | 16% |
| $\gamma + \text{jets}/Z(\nu\nu) + \text{jets}$ ratio theory | 5.8% |
| Jet energy scale+resolution | 10% |
| E_T^{miss} scale | 1.8% |
| Luminosity | 3.0% |
| Diboson background normalisation | 2.7% |
| Top quark background normalisation | < 1% |
| Signal specific | |
| ggH p_T -spectrum | 15% |
| QCD scale + PDF (ggH) | 5.8% |
| Total statistical only | -22 / + 25% |
| Total uncertainty | -55 / + 62% |