

| Source | $\Delta\sigma_{t\bar{t}}$ (pb) | $\Delta\sigma_{t\bar{t}}/\sigma_{t\bar{t}}$ (%) |
|--|--------------------------------|---|
| Electron efficiencies | 1.1 | 1.4 |
| Muon efficiencies | 2.4 | 3.0 |
| Jet energy scale | 1.1 | 1.3 |
| Jet energy resolution | 0.05 | 0.06 |
| QCD scales of $t\bar{t}$ signal (PS) | 1.0 | 1.2 |
| QCD scales of $t\bar{t}$ signal (ME) | 0.2 | 0.2 |
| Hadronization model of $t\bar{t}$ signal | 1.0 | 1.2 |
| PDF | 0.4 | 0.5 |
| MC statistics | 1.2 | 1.4 |
| t W background | 1.1 | 1.3 |
| WV background | 0.5 | 0.6 |
| DY background | 2.1 | 2.6 |
| Non W/Z background | 1.9 | 2.3 |
| Total systematic (w/o luminosity) | 4.6 | 5.6 |
| Integrated luminosity | 9.8 | 12 |
| Statistical uncertainty | 20 | 24 |
| Total | 23 | 28 |