

| Systematic uncertainty | Median of $p_T^t$ [%] | Median of $p_T^{\bar{t}\bar{t}}$ [%] | Median of $\Delta\phi^{\bar{t}\bar{t}}$ [%] | Maximum of median [%] |
|------------------------|-----------------------|--------------------------------------|---|-----------------------|
| Trigger                | 1                     | 1                                    | 1   | 1                     |
| Pileup                 | 1                     | 1                                    | 1   | 1                     |
| Lepton SF              | 1                     | 1                                    | 1   | 1                     |
| JES                    | 1                     | 1                                    | 1   | 2                     |
| JER                    | 2                     | 1                                    | 1   | 2                     |
| b jet SF               | 1                     | 2                                    | 1   | 2                     |
| Background             | 3                     | 3                                    | 4   | 6                     |
| $\mu_F$ and $\mu_R$    | 1                     | 4                                    | 5   | 5                     |
| MC modelling           | 3                     | 7                                    | 12  | 12                    |
| Top quark mass         | 1                     | 4                                    | 5   | 5                     |
| Hadronisation          | 6                     | 4                                    | 2   | 6                     |
| PDF                    | 1                     | 1                                    | 1   | 2                     |