| Non-VBF category | | $t\bar{t}$, single top quark  SF $\pm$ stat. $\pm$ syst. |
|---|---|---|
| 2b tag | $0\ell$ | $1.012 \pm 0.116 \pm 0.008$ |
| | 2e | $1.098 \pm 0.084 \pm 0.067$ |
| | $2\mu$ | $1.098 \pm 0.084 \pm 0.075$ |
| $\leq$1b tag | $0\ell$ | $1.028 \pm 0.048 \pm 0.009$ |
| | 2e | $1.003 \pm 0.021 \pm 0.089$ |
| | $2\mu$ | $1.003 \pm 0.021 \pm 0.095$ |
| VBF category | | $t\bar{t}$, single top quark  SF $\pm$ stat. $\pm$ syst. $\pm$ VBF norm. |
| 2b tag | $0\ell$ | $0.676 \pm 0.221 \pm 0.007 \pm 0.330$ |
| | 2e | $0.676 \pm 0.154 \pm 0.096 \pm 0.330$ |
| | $2\mu$ | $0.676 \pm 0.154 \pm 0.103 \pm 0.330$ |
| $\leq$1b tag | $0\ell$ | $0.822 \pm 0.144 \pm 0.022 \pm 0.180$ |
| | 2e | $0.882 \pm 0.044 \pm 0.099 \pm 0.120$ |
| | $2\mu$ | $0.882 \pm 0.044 \pm 0.107 \pm 0.120$ |