

| | $\tau_{\text{had}}\tau_{\text{had}}$ VBF | | | $\tau_{\text{had}}\tau_{\text{had}}$ boosted | | |
|--------------------------------------|--|----------------|---------------------------------|--|---------------------------------|--|
| | Loose | Tight | High- $p_{\text{T}}^{\tau\tau}$ | Low- $p_{\text{T}}^{\tau\tau}$ | High- $p_{\text{T}}^{\tau\tau}$ | |
| $Z \rightarrow \tau\tau$ | 67.3 ± 9.2 | 100 ± 12 | 141 ± 12 | 3250 ± 130 | 3582 ± 82 | |
| Misidentified τ | 45.0 ± 5.4 | 96.4 ± 9.2 | 20.0 ± 2.9 | 1870 ± 140 | 364 ± 53 | |
| Other backgrounds | 4.4 ± 1.4 | 11.6 ± 1.7 | 4.4 ± 0.7 | 281 ± 21 | 109.9 ± 9.2 | |
| $gg\text{F}, H \rightarrow \tau\tau$ | 1.1 ± 0.4 | 2.0 ± 0.7 | 3.5 ± 1.0 | 41 ± 11 | 48 ± 14 | |
| VBF, $H \rightarrow \tau\tau$ | 1.4 ± 0.5 | 6.4 ± 1.8 | 11.2 ± 3.0 | 9.0 ± 3.4 | 10.7 ± 2.9 | |
| $WH, H \rightarrow \tau\tau$ | < 0.1 | < 0.1 | < 0.1 | 3.3 ± 0.9 | 4.4 ± 1.2 | |
| $ZH, H \rightarrow \tau\tau$ | < 0.1 | < 0.1 | < 0.1 | 2.4 ± 0.7 | 2.9 ± 0.8 | |
| $t\bar{t}H, H \rightarrow \tau\tau$ | < 0.1 | < 0.1 | < 0.1 | 1.6 ± 0.5 | 1.9 ± 0.5 | |
| Total background | 116.7 ± 9.4 | 208 ± 12 | 165 ± 12 | 5401 ± 78 | 4057 ± 64 | |
| Total signal | 2.6 ± 0.8 | 8.6 ± 2.4 | 14.9 ± 3.8 | 57 ± 15 | 68 ± 18 | |
| Data | 121 | 220 | 179 | 5455 | 4103 | |