

Channel and Category	Expected Significance ( $\sigma$ )	Observed Significance ( $\sigma$ )
$\tau_{\text{lep}}\tau_{\text{lep}}$ VBF	1.15	1.88
$\tau_{\text{lep}}\tau_{\text{lep}}$ Boosted	0.57	1.72
$\tau_{\text{lep}}\tau_{\text{lep}}$ Total	1.25	2.40
$\tau_{\text{lep}}\tau_{\text{had}}$ VBF	2.11	2.23
$\tau_{\text{lep}}\tau_{\text{had}}$ Boosted	1.11	1.01
$\tau_{\text{lep}}\tau_{\text{had}}$ Total	2.33	2.33
$\tau_{\text{had}}\tau_{\text{had}}$ VBF	1.70	2.23
$\tau_{\text{had}}\tau_{\text{had}}$ Boosted	0.82	2.56
$\tau_{\text{had}}\tau_{\text{had}}$ Total	1.99	3.25
Combined	3.43	4.54