

Type	Selection
$\tau_\ell \tau_{\text{had}}$ preselection	exactly one identified and isolated lepton (e, μ) exactly one identified tau opposite sign lepton and tau no additional leptons passing loosened identification criteria no jets passing the b -tagging criteria $m_T(\ell, E_T^{\text{miss}}) < 100 \text{ GeV}$
VBF categorization	leading jet with $p_T > 50 \text{ GeV}$ any additional jet with $p_T > 30 \text{ GeV}$ $ \Delta\eta(\text{lead jet, sublead jet}) > 3.0$ $m_{\tau\tau}^{\text{vis.}} > 40 \text{ GeV}$