| | 0-jet | VBF | Boosted |
|---|---|---|---|
| | | Selection | |
| $\tau_h\tau_h$ | No jet | $\geq$2 jets, $p_T^{\tau\tau} > 100\,\text{GeV}$, $\Delta\eta_{jj} > 2.5$ | Others |
| $\mu\tau_h$ | No jet | $\geq$2 jets, $m_{jj} > 300\,\text{GeV}$, $p_T^{\tau\tau} > 50\,\text{GeV}$, $p_T^{\tau_h} > 40\,\text{GeV}$ | Others |
| $e\tau_h$ | No jet | $\geq$2 jets, $m_{jj} > 300\,\text{GeV}$, $p_T^{\tau\tau} > 50\,\text{GeV}$ | Others |
| $e\mu$ | No jet | 2 jets, $m_{jj} > 300\,\text{GeV}$ | Others |
| | | Observables | |
| $\tau_h\tau_h$ | $m_{\tau\tau}$ | $m_{jj}$, $m_{\tau\tau}$ | $p_T^{\tau\tau}$, $m_{\tau\tau}$ |
| $\mu\tau_h$ | $\tau_h$ decay mode, $m_{vis}$ | $m_{jj}$, $m_{\tau\tau}$ | $p_T^{\tau\tau}$, $m_{\tau\tau}$ |
| $e\tau_h$ | $\tau_h$ decay mode, $m_{vis}$ | $m_{jj}$, $m_{\tau\tau}$ | $p_T^{\tau\tau}$, $m_{\tau\tau}$ |
| $e\mu$ | $p_T^{\mu}$, $m_{vis}$ | $m_{jj}$, $m_{\tau\tau}$ | $p_T^{\tau\tau}$, $m_{\tau\tau}$ |