

Offline selection requirements applied to the electron, muon, and τ_h candidates used for the selection of the τ pair. First and second lepton refer to the label of the final state in the first column. For the p_T requirements, the values in parentheses correspond to events that have been recorded based on different trigger paths in the online selection, depending on the data-taking year. A detailed discussion is given in the text.

Final state	First lepton	Second lepton
$e\mu$	$p_T > 15$ (24) GeV $ \eta < 2.4$ $I_{\text{rel}}^e < 0.15$	$p_T > 24$ (15) GeV $ \eta < 2.4$ $I_{\text{rel}}^\mu < 0.2$
$e\tau_h$	$p_T > 25$ (26, 28, 33) GeV $ \eta < 2.1$ $I_{\text{rel}}^e < 0.15$	$p_T > 35$ (30) GeV $ \eta < 2.3$
$\mu\tau_h$	$p_T > 20$ (21, 23, 25) GeV $ \eta < 2.1$ $I_{\text{rel}}^\mu < 0.15$	$p_T > 32$ (30) GeV $ \eta < 2.3$
$\tau_h\tau_h$	$p_T > 40$ GeV $ \eta < 2.1$	$p_T > 40$ GeV $ \eta < 2.1$