

Charge and τ_h Isolation

(Control Region 1)

Two OS $\tau_h\tau_h$, both passing
medium isolation.

Low M_{T2} or $\Sigma M_T^{\tau_i}$

(Signal Region)

Two OS $\tau_h\tau_h$, both passing
medium isolation.

High M_{T2} or $\Sigma M_T^{\tau_i}$

(Control Region 2)

Two SS $\tau_h\tau_h$, one τ_h loose non
medium isolation,
one τ_h loose isolation. Low

M_{T2} or $\Sigma M_T^{\tau_i}$

(Control Region 3)

Two SS $\tau_h\tau_h$, one τ_h loose non
medium isolation,
one τ_h loose isolation. High

M_{T2} or $\Sigma M_T^{\tau_i}$

M_{T2} or $\Sigma M_T^{\tau_i}$ (GeV)