

Charge and τ_h Isolation \uparrow

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) \rightarrow