

Charge and τ Isolation \uparrow

(Control Region 1)

Two OS $\tau_h\tau_h$ with both legs
passing medium isolation.

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

(Signal Region)

Two OS $\tau_h\tau_h$ with both legs
passing medium isolation.

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

(Control Region 2)

Two SS $\tau_h\tau_h$, one leg loose
non medium isolation
and one leg loose isolation.

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

(Control Region 3)

Two SS $\tau_h\tau_h$, one leg loose
non medium isolation
and one leg loose isolation.

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

M_{T2} or $\Sigma m_T^{\tau_i}$ \rightarrow