

Charge and τ_h Isolation \uparrow

(Control Region 1)

OS $\tau_h\tau_h$ pair, both legs
passing medium isolation.

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

(Signal Region)

OS $\tau_h\tau_h$ pair, both legs
passing medium isolation.

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

(Control Region 2)

SS $\tau_h\tau_h$ pair, one leg passing
loose but not medium isolation
and other leg passing loose

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

(Control Region 3)

SS $\tau_h\tau_h$ pair, one leg passing
loose but not medium isolation
and other leg passing loose

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

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