

Charge and τ Isolation \uparrow

(Control Region I)

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 II)

Two SS $\tau_h\tau_h$ with at least one
leg passing loose isolation.

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

(Control Region III)

Two SS $\tau_h\tau_h$ with at least one
leg passing loose isolation.

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

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