

Inclusive selection

$$p_T(J_{1,2}) > 200 \text{ GeV}, \eta(J_{1,2}) < 2.4$$

$$R_T > 0.15$$

$$\Delta\eta < 1.5$$

$$m_T > 1.5 \text{ TeV}$$

$$p_T^{\text{miss}} \text{ filters}$$

$$\Delta R(j_{1,2}, c_{\text{nonfunctional}}) > 0.1$$

$$\text{veto } f_\gamma(j_1) > 0.7 \ \& \ p_T(j_1) > 1.0 \text{ TeV}$$

$$\text{veto } -3.05 < \eta_j < -1.35 \ \& \ -1.62 < \phi_j < -0.82 \ *$$

$$\Delta\phi_{\text{min}} < 0.8$$

Categorization

$$0\text{-lepton region: } N_e + N_\mu = 0$$

$$\text{multilepton region: } N_e + N_\mu \geq 1$$