

Inclusive selection

$$p_{\text{T}}(\text{J}_{1,2}) > 200 \text{ GeV}, \eta(\text{J}_{1,2}) < 2.4$$

$$R_{\text{T}} > 0.15$$

$$\Delta\eta < 1.5$$

$$m_{\text{T}} > 1.5 \text{ TeV}$$

$$p_{\text{T}}^{\text{miss}} \text{ filters}$$

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

$$\text{veto } f_{\gamma}(\text{j}_1) > 0.7 \ \& \ p_{\text{T}}(\text{j}_1) > 1.0 \text{ TeV}$$

$$\text{veto } -3.05 < \eta_{\text{j}} < -1.35 \ \& \ -1.62 < \phi_{\text{j}} < -0.82 \text{ (part of 2018 data only)}$$

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

Categorization

$$p_{\text{T}}(\text{e}) > 10 \text{ GeV}, |\eta(\text{e})| < 2.5, \text{ loose MVA ID}, I_{\text{mini}}(\text{e}) < 0.4$$

$$p_{\text{T}}(\mu) > 10 \text{ GeV}, |\eta(\mu)| < 2.4, \text{ cutoff-based ID}, I_{\text{mini}}(\mu) < 0.4$$

$$\text{0-lepton category: } N_{\text{e}} + N_{\mu} = 0$$

$$\text{multilepton category: } N_{\text{e}} + N_{\mu} > 0$$