

## Preselection requirements

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

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

$$\Delta\eta(J_1, J_2) < 1.5$$

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

$$N_{\mu} = 0$$

$$N_{\text{e}} = 0$$

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

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

## Final selection requirements

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

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

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