Nominal isolation

Muld Tight, MCP Cuts

Muld Tight, MCP Cuts

 $|\eta| < 2.5, p_{\rm T} > 20~{\rm GeV}$ $|\eta| < 2.5, p_{\rm T} > 20~{\rm GeV}$ |Truth-matching~to~W~muon |Truth-matching~to~W~muon

 $|\eta| < 2.5, p_{
m T} > 20~{
m GeV}$ Truth-matching to W muon Match muon to jet $p_{\rm T}^{\rm cone30}$ and $E_{\rm T}^{\rm cone20}$

Match muon to jet $MI10/p_{\rm T} < 5\%$

Events with $W \to \mu$ (from truth)

Truth-matching to W muon Match muon to jet $\chi^2_{\rm DoF} < 3.2$

 $\chi^2_{\rm DoF}$ tagging

STACO CB, MCP Cuts