

Category	Pre-selection	Additional Requirements	Trigger Requirement
Lepton Multijet	$M_R > 550 \ \& \ R^2 > 0.20$	$M_T > 120 \text{ GeV}$	Single Lepton
Lepton Seven-jet	$M_R > 550 \ \& \ R^2 > 0.20$	$M_T > 120 \text{ GeV}$	Single Lepton
Boosted Wnj45	$M_R > 800 \ \& \ R^2 > 0.08$	$\Delta\phi_R < 2.8$	$H_T, \text{ jet } p_T$
Boosted Wnj6	$M_R > 800 \ \& \ R^2 > 0.08$	$\Delta\phi_R < 2.8$	$H_T, \text{ jet } p_T$
Boosted Top	$M_R > 800 \ \& \ R^2 > 0.08$	$\Delta\phi_R < 2.8$	$H_T, \text{ jet } p_T$
Dijet	$M_R > 650 \ \& \ R^2 > 0.30$	$\Delta\phi_R < 2.8$	Hadronic Razor
Multijet	$M_R > 650 \ \& \ R^2 > 0.30$	$\Delta\phi_R < 2.8$	Hadronic Razor
Seven-jet	$M_R > 650 \ \& \ R^2 > 0.30$	$\Delta\phi_R < 2.8$	Hadronic Razor