

Preselection criteria	Requirement	
Leading muon p_T	$> 55 \text{ GeV}$	
Jet p_T	$> 100 \text{ GeV}$	
$M_{\mu,j}$	$> 300 \text{ GeV}$	
N_{ele}	$= 0$	
$p_T^\mu / p_T^{\text{jet}}$	$0.6 < \cdot < 1.6$	
$\Delta\phi_{\mu,j}$	> 2.5	
$p_T^{\text{miss}} / \sqrt{\sum E_T}$	$< 10 \text{ GeV}^{1/2}$	
N_{jet}	≥ 1	
Preselection	One-muon preselection region applied	Two-muon preselection region applied
N_μ	$= 1$	$= 2$
$M_{\mu\mu}$		$> 110 \text{ GeV}$
Sub-leading muon p_T		$> 7 \text{ GeV}$