

Muon selection	muon ID1	muon ID2
Online selection Single muon	$ \eta < 2.4$ $p_T > 24$ GeV, on_iso	$ \eta < 2.4$ $p_T > 50$ GeV
Offline selection Opposite-charge muons	$ \eta < 2.4$ $p_T > 26$ GeV off_iso < 0.25	$ \eta < 2.4$ $p_T > 53$ GeV off_iso < 0.1
Category selection	b tag category	No b tag category
b-tagged jets	1 with $p_T > 20$ GeV, $ \eta < 2.4$	veto
Untagged jets p_T^{miss}	0,1 with $p_T > 20$ GeV, $ \eta < 2.4$ < 40 GeV	< 80 GeV