

Preselection

p_T	> 3.5 (2) GeV
$ \eta $	< 1.2 ($1.2 < \eta < 2.4$)
Muon identification	medium
Trimuon net charge	± 1
$m(3\mu)$	< 3 GeV
	dimuon resonance veto

Selection for dimuon triggered events

p_T	Selection for triggered muons:
DCA(μ , beamspot)	> 3 GeV (4 GeV for $ \eta < 1.2$)
DCA(μ , μ)	< 2 cm
$m(2\mu)$	< 0.5 cm
$p_T(2\mu)$	$0.2 < m(2\mu) < 8.5$ GeV
	> 4.9 GeV
	di-muon vertex fit probability $> 0.5\%$
	Selection for all muons:
$p_T(\mu_1)$	> 7 GeV
$p_T(3\mu)$	> 15 GeV
	≥ 1 μ pair with $m(2\mu) < 1.9$ GeV and $\Delta z < 0.7$ cm

Selection for trimuon triggered events

$p_T(\mu_1)$	> 7 GeV
DCA(μ , beamspot)	< 0.5 cm
$\Delta z(\mu_1, \mu_2)$	< 0.3 cm
$m(3\mu)$	$1.3 < m(3\mu) < 2.1$ GeV
$p_T(3\mu)$	> 15 GeV
$ \eta(3\mu) $	< 2.5
	≥ 1 μ pair with $0.2 < m(2\mu) < 1.9$ GeV and $p_T(2\mu) > 2$ GeV