

Object	ID and isolation requirements	Selection
Electrons	Isolation ( $ \eta  > 1.5666$ ) $> 0.559$ (0.853)	$ \eta  < 1.444$ or $1.5666 <  \eta  < 2.8$ Leading $p_T > 25$ GeV Sub-leading $p_T > 20$ GeV
Muons	Loose ID, Isolation $< 0.25$	$ \eta  < 2.8$ Leading $p_T > 20$ GeV in $\mu\mu$ events Leading $p_T > 25$ GeV in $\mu e$ events Sub-leading $p_T > 10$ GeV in $\mu\mu$ and $e\mu$ events
Jets	PUPPI Jet	$p_T > 20$ GeV, $ \eta  < 2.4$ , $\Delta R_{lj} > 0.3$
B-Jets	PUPPI medium MTD WP	$p_T > 20$ GeV, $ \eta  < 2.8$