

Step	Object	Selection
0	Trigger	one muon candidate, $p_T > 15 \text{ GeV}$
1	Electrons	loose ID, $p_T > 20 \text{ GeV}$, $ \eta < 2.4$, $I_{\text{rel}} < 0.09$ (barrel), $I_{\text{rel}} < 0.12$ (endcap)
2	Muons	tight ID, $p_T > 18 \text{ GeV}$, $ \eta < 2.1$, $I_{\text{rel}} < 0.15$
3	Jets	$p_T > 25 \text{ GeV}$, $ \eta < 3$, $\Delta R(\text{jet}, \text{lepton}) > 0.3$
4	Dilepton pair	opposite charge $e^\pm \mu^\mp$, $m_{e\mu} > 20 \text{ GeV}$, maximum p_T sum
5	Jet multiplicity	≥ 2