

Region	Requirements
Global selection	<p>Oppositely-charged <math>e\mu</math> final state</p> <p><math>p_T^{\ell 1} &gt; 25 \text{ GeV}</math></p> <p><math>p_T^{\ell 2} &gt; 13 \text{ GeV}</math> (10 GeV for 2016 data)</p> <p><math>p_T^{\ell 3} &lt; 10 \text{ GeV}</math></p> <p><math>m_{\ell\ell} &gt; 12 \text{ GeV}</math></p> <p><math>p_T^{\ell\ell} &gt; 30 \text{ GeV}</math></p> <p><math>E_T^{\text{miss}} &gt; 20 \text{ GeV}</math></p> <p>at least two jets with <math>p_T &gt; 30 \text{ GeV}</math> and <math> \eta  &lt; 4.7</math></p> <p><math>m_{jj} &gt; 120 \text{ GeV}</math></p>
SR	<p><math>m_T &gt; 60 \text{ GeV}</math></p> <p><math>m_T^{\ell 2} &gt; 30 \text{ GeV}</math></p> <p>no b-tagged jets with <math>p_T &gt; 20 \text{ GeV}</math></p>
Top CR	<p><math>m_{\ell\ell} &gt; 50 \text{ GeV}</math></p> <p><math>m_T^{\ell 2} &gt; 30 \text{ GeV}</math></p> <p>at least one b-tagged jet</p>
DY CR	<p><math>40 &lt; m_{\ell\ell} &lt; 80 \text{ GeV}</math></p> <p><math>m_T &lt; 60 \text{ GeV}</math></p> <p>no b-tagged jets with <math>p_T &gt; 20 \text{ GeV}</math></p>