$\boldsymbol{p}_{_{\boldsymbol{T}}}\text{: [12, 14] GeV }\boldsymbol{\eta}\text{: [1.479, 1.653]}$ **Pass Region Fail Region** data data Events / 1 GeV Events / 1 GeV  $Z \rightarrow ee + BG$  $Z \rightarrow ee + BG$ 50 BG 40 0.8 30 0.6 20 0.4 10 70 75 80 85 90 95 100 105 110 100 70 80 85 90 95 105 75  $m_{ee}$  (GeV) m<sub>ee</sub> (GeV)