$\mathbf{50} < \boldsymbol{p}_{_{\mathrm{T}}} < \mathbf{100}$ GeV, $\mathbf{1.479} < |\boldsymbol{\eta}| < 1.653$ $\times 10^3$ -- data -- data GeV GeV - Z \rightarrow ee + BG \blacksquare Z \rightarrow ee + BG **Pass Region Fail Region** --- BG --- BG Events / 1 Events / 1 $\varepsilon = 0.9463 \pm 0.0045$ 150 2.5 100 1.5 50 0.5 80 75 105 110 115 105 110 115 100 70 100 m_{ee} (GeV) m_{ee} (GeV)