$\mathbf{20} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{25}$ GeV, $\mathbf{2.1} < |\boldsymbol{\eta}| < \mathbf{2.5}$ ×10³ -- data -- data Events / 1 GeV 2.2 \longrightarrow Z \rightarrow ee + BG Z → ee + BG **Pass Region Fail Region** --- BG Events / 1 (- BG $\epsilon = 0.8431 \pm 0.0045$ 300 1.5 200 100 T. I 0.5 70 80 85 100 105 110 115 80 100 105 110 115 70 m_{ee} (GeV) m_{ee} (GeV)