$\mathbf{20} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{25}$ GeV, $\mathbf{2.1} < |\boldsymbol{\eta}| < \mathbf{2.5}$ ×10³ -- data -- data Events / 1 GeV 000 Events / 1 GeV \longrightarrow Z \rightarrow ee + BG Z → ee + BG Fail Region **Pass Region** 10 --- BG - BG $\epsilon = 0.9448 \pm 0.0021$ 400 300 200 80 85 90 100 105 110 115 70 80 100 105 110 115 75 m_{ee} (GeV) m_{ee} (GeV)