$46 < p_{_{T}} < 48 \; GeV, \, 1.479 < |\eta| < 1.653$ $\times 10^3$ -- data -- data Events / 1 GeV Events / 1 GeV - Z \rightarrow ee + BG \blacksquare Z \rightarrow ee + BG **Pass Region Fail Region** --- BG --- BG $\epsilon = 0.8365 \pm 0.0000$ 400 300 1.5 200 100 0.5 105 110 115 105 110 115 65 70 75 90 100 70 100 m_{ee} (GeV) m_{ee} (GeV)