$38 < p_{_{\rm T}} < 40~GeV,\, 1.479 < |\eta| < 1.653$ ×10³ ×10³ -- data -- data GeV Events / 1 GeV \longrightarrow Z \rightarrow ee + BG Z → ee + BG **Pass Region Fail Region** --- BG - BG Events / 1 $\epsilon = 0.7051 \pm 0.0000$ 1.4 3.5 1.2 2.5 0.8 0.6 1.5E 0.4 0.5 0.2 70 80 85 90 95 100 105 110 115 80 95 100 105 110 115 75 70 90 m_{ee} (GeV) m_{ee} (GeV)