$25 < p_{_{T}} < 30 \; \text{GeV}, \, 1.479 < |\eta| < 1.653$ $\times 10^3$ -- data -- data GeV 300 E - Z \rightarrow ee + BG \blacksquare Z \rightarrow ee + BG **Pass Region** Fail Region --- BG -- BG Events / 1.6 Events / 1 095 $\epsilon = 0.7763 \pm 0.0022$ 1.2 200 150 0.8 100 0.6 0.4 50

70

110 115

m_{ee} (GeV)

100

105

110 115

m_{ee} (GeV)

100

105