$50 < p_{_{
m T}} < 100$ GeV, $1 < |\eta| < 1.479$ ×10³ $\times 10^3$ -- data -- data GeV Events / 1 GeV - Z \rightarrow ee + BG \blacksquare Z \rightarrow ee + BG **Pass Region Fail Region** --- BG -- BG Events / 1 16 ϵ = 0.9270 ± 0.0029 12 0.8 10 0.6 0.4 0.2 80 70 75 85 90 100 105 110 115 70 80 105 110 115 100 m_{ee} (GeV) m_{ee} (GeV)