$80 < p_{_{
m T}} < 100$ GeV, $1 < |\eta| < 1.479$ ×10³ -- data -- data $Z \rightarrow ee + BG$ Z → ee + BG **Pass Region Fail Region** --- BG - BG Events / 1 Events / 1 20 ϵ = 0.9920 ± 0.0009 18 1.6 16 1.4F 14 12 10 0.8 0.6 6 0.4 0.2 110 115 70 75 80 85 90 100 105 90 100 105 110 115 m_{ee} (GeV) m_{ee} (GeV)