$45 < p_{_{\rm T}} < 50$ GeV, $1.653 < |\eta| < 2.1$ ×10³ -- data -- data - Z \rightarrow ee + BG Z → ee + BG Fail Region **Pass Region** --- BG --- BG Events / 1 ϵ = 0.9919 ± 0.0000 140 18 16 120 14 100 80 10F 60 40 20 80 90 100 105 110 115 110 115 75 70 100 105

m_{ee} (GeV)

m_{ee} (GeV)

GeV

Events / 1