$50 < p_{_{\rm T}} < 55$  GeV, 1 <  $|\eta| < 1.479$ ×10<sup>3</sup> -- data -- data GeV  $Z \rightarrow ee + BG$ Z → ee + BG **Pass Region Fail Region** --- BG -- BG Events / 1 Events / 1 40 20  $\epsilon = 0.9918 \pm 0.0003$ 18 120 16 100 14 12 80 10 60 40 20

100

105

110 115

m<sub>ee</sub> (GeV)

75

70

80

90

100

105 110 115

m<sub>ee</sub> (GeV)