$40 < p_{_{T}} < 45 \; \text{GeV}, \, 1.479 < |\eta| < 1.653$ ×10³ -- data -- data GeV \longrightarrow Z \rightarrow ee + BG Z → ee + BG **Pass Region Fail Region** - BG --- BG Events / 400 Events / 1 10 ϵ = 0.9572 ± 0.0006 300 250 200 150 100 50 85 90 95 100 105 110 115 110 115 75 70 100 105 m_{ee} (GeV) m_{ee} (GeV)