$55 < p_{_{\rm T}} < 60$ GeV, $0.9 < |\eta| < 1.2$ ×10³ -- data → data GeV $-Z \rightarrow \mu\mu + BG$ $Z \rightarrow \mu\mu$ + BG **Pass Region Fail Region** BG --- BG Events / 1 Events / 1 35 $\varepsilon = 0.9790 \pm 0.0000$ 700 30 600 25 500 20 400 15 300 10 200 100

80

100

95

105

5 110 115 m_{μμ} (GeV)

80

85

90

95

100

105 110 115

 $m_{\mu\mu}$ (GeV)

75