$70 < p_{_{\mathrm{T}}} < 80$  GeV,  $0.9 < |\eta| < 1.2$  $\times 10^3$ -- data --- data > 3.5 □ **F** Events / 1 GeV **–** Z → μμ + BG  $-Z \rightarrow \mu\mu + BG$ **Pass Region Fail Region** - BG --- BG Events / 1 25  $\epsilon = 0.9923 \pm 0.0007$ 2.5 15 1.5 10 0.5 85 75 80 90 100 105 110 115 70 100 110 115 65 90 95 105

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

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