$45 < p_{_{\rm T}} < 50$  GeV,  $0.9 < |\eta| < 1.2$ ×10<sup>3</sup> ×10<sup>6</sup> -- data -- data GeV  $-Z \rightarrow \mu\mu + BG$  $Z \rightarrow \mu \mu$  + BG **Pass Region Fail Region** - BG --- BG Exents /1 10.16 Events / 1  $\epsilon$  = 0.9857 ± 0.0002 0.12 1.6 1.4 0.1 0.08 0.06 0.8 0.6 0.04 0.4 0.02 0.2 80 80 70 75 85 90 95 100 105 110 115 70 75 85 90 95 100 105 110 115

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

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