$50 < p_{_{
m T}} < 60$  GeV,  $1.2 < |\eta| < 2.1$ ×10<sup>3</sup> ×10<sup>6</sup> -- data -- data Events / 1 GeV 10 91.0 Events / 1 GeV **–** Z → μμ + BG  $Z \rightarrow \mu \mu$  + BG **Pass Region Fail Region** - BG --- BG 20 18  $\epsilon$  = 0.8843 ± 0.0003 16 0.12 14 0.1 12 0.08 10 0.06 0.04 0.02 70 75 80 85 100 105 110 115 70 80 90 100 105 110 115 75  $m_{\mu\mu}~(GeV)$  $m_{\mu\mu}$  (GeV)