$20 < p_{_{
m T}} < 25$  GeV,  $1.2 < |\eta| < 2.1$ ×10<sup>3</sup> ×10<sup>3</sup> -- data -- data § 100 ge Events / 1 GeV - Z  $\rightarrow \mu\mu$  + BG **–** Z → μμ + BG 1.6 **Pass Region Fail Region** - BG --- BG Events / 1  $\epsilon$  = 0.9846 ± 0.0003 60 0.8 40 0.6 0.4 20 0.2 100 105 110 115 105 110 115 70 70 100

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

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