$\mathbf{20} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{25}$  GeV,  $\mathbf{0.9} < |\boldsymbol{\eta}| < \mathbf{1.2}$  $\times 10^3$ -- data --- data 200 Events / 1 GeV GeV — Z → μμ + BG  $Z \rightarrow \mu\mu + BG$ **Pass Region Fail Region** - BG --- BG Events / 1  $\epsilon = 0.9870 \pm 0.0005$ 10 100 50 90 100 105 110 115 105 110 115 70 70 100  $m_{\mu\mu}$  (GeV)  $m_{\mu\mu}~(GeV)$