$\mathbf{20} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{25}$ GeV, $\mathbf{2.1} < |\boldsymbol{\eta}| < \mathbf{2.4}$ ×10³ -- data --- data Events / 1 GeV Events / 1 GeV — Z → μμ + BG $Z \rightarrow \mu\mu$ + BG **Pass Region Fail Region** - BG --- BG $\epsilon = 0.9833 \pm 0.0006$ 150 100 50 100 105 110 115 110 115 70 100 105 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}$ (GeV)