$\mathbf{28} < \mathbf{p}_{_{\mathrm{T}}} < \mathbf{29} \; \mathrm{GeV}, \, \mathbf{1.2} < |\boldsymbol{\eta}| < \mathbf{2.1}$ ×10³ ×10³ -- data -- data GeV -- Z $\rightarrow \mu\mu$ + BG Events / 1 GeV $Z \rightarrow \mu \mu$ + BG **Pass Region** Fail Region - BG --- BG Events / 1 35 $\epsilon = 0.8548 \pm 0.0010$ 30 25 20 15 10 70 80 85 90 95 100 105 110 115 100 105 110 115 90

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

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