$25 < p_{_{\rm T}} < 30$ GeV, $2.1 < |\eta| < 2.4$ ×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 ϵ = 0.9134 ± 0.0006 30 25 20 1.5 15 10 0.5

80

90

95

100

105 110 115

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

70

80

85

90

95

100

105 110 115

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