$32 < p_{_{
m T}} < 35$ GeV, $1.2 < |\eta| < 2.1$ ×10³ $\times 10^3$ -- data -- data GeV Events / 1 GeV - Z $\rightarrow \mu\mu$ + BG $Z \rightarrow \mu \mu$ + BG **Pass Region Fail Region** - BG --- BG Events / 1 60 $\epsilon = 0.8670 \pm 0.0007$ 50 40 30 20 10 70 80 85 90 95 100 105 110 115 70 80 85 90 95 100 105 110 115 75 75 $m_{\mu\mu}~(GeV)$ $m_{\mu\mu}$ (GeV)