$15 < p_{_{\rm T}} < 20$  GeV,  $0.9 < |\eta| < 1.2$  $\times 10^3$ -- data -- data GeV Events / 1 GeV — Z → μμ + BG  $-Z \rightarrow \mu\mu + BG$ **Pass Region Fail Region** - BG --- BG Events / 1 18ŀ  $\epsilon = 0.9740 \pm 0.0005$ 400 12 10 300 200 100

70

105 110 115

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

100

85

70

100

105 110 115

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