$50 < p_{_{
m T}} < 55$  GeV,  $1.2 < |\eta| < 2.1$  $\times 10^3$ -- data -- data GeV — Z → μμ + BG  $Z \rightarrow \mu\mu$  + BG 50 Fail Region **Pass Region** - BG --- BG Events / 1 Events / 1  $\epsilon$  = 0.9845 ± 0.0000 500 30 400 300 20 200 10 100 75 80 90 105 110 115 100 105 110 115 100  $m_{\mu\mu}~(GeV)$  $m_{\mu\mu}$  (GeV)