ECAL Resolution Doubled χ^2 / ndf 38.08 / 34 300 Number of events/500 MeV Mass histogram legend Constant 145.9 ± 1.2 125.1 ± 0.0 Mean 250 Sigma 1.632 ± 0.008 200 150 100 50 110 115 135 120 125 130 140 Higgs Mass/GeV