Inv. Masses of total generated particles $\times 10^3$ tot_inv Occurencies 2000 **Entries** 5.050835e+08 1.296 ± 3.684e-05 Mean 1800 Std Dev0.8254 \pm 2.605e-05 1600 Overflow 3.069e+06 1400 1200 1000 800 600 400 200 4 4.5 5 Mass (GeV/c^2) 0.5 1.5 2.5 3 3.5