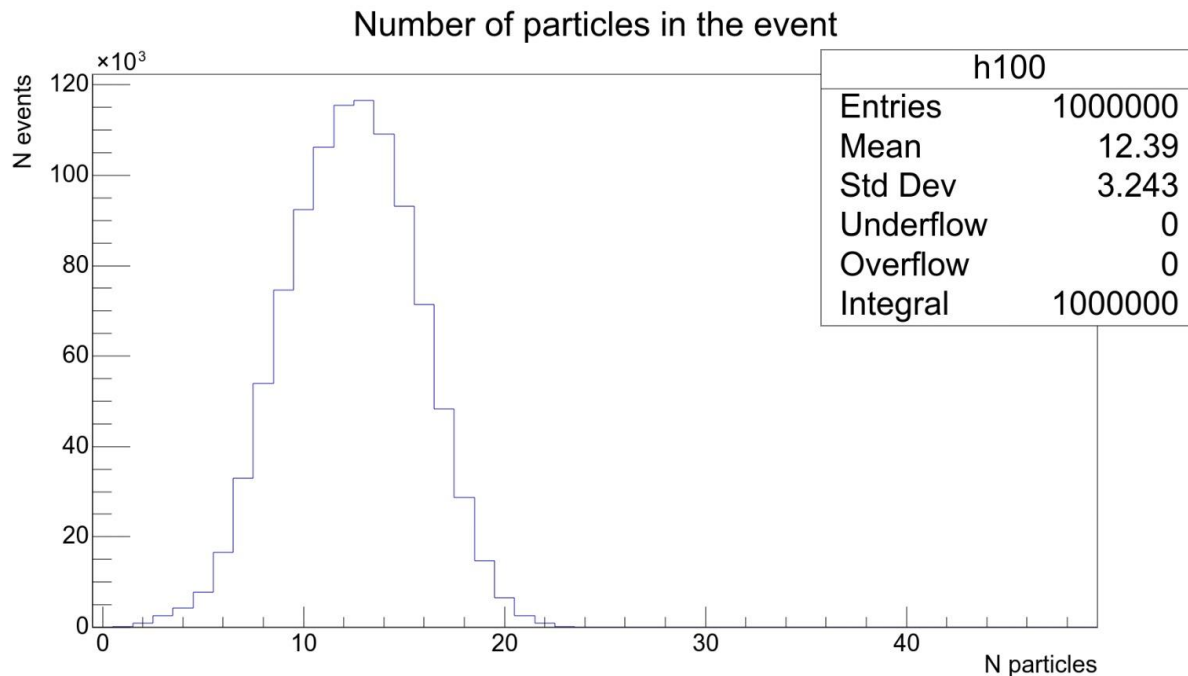


Masterclass

INFN - Pisa

Number of Particles

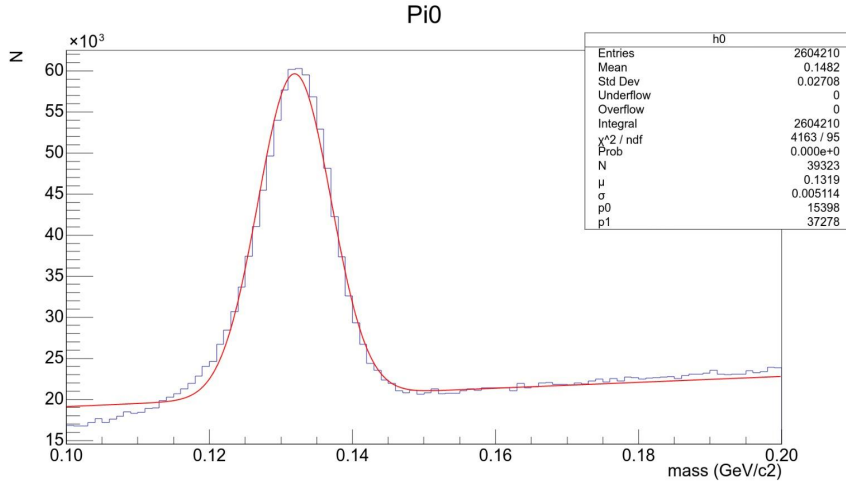
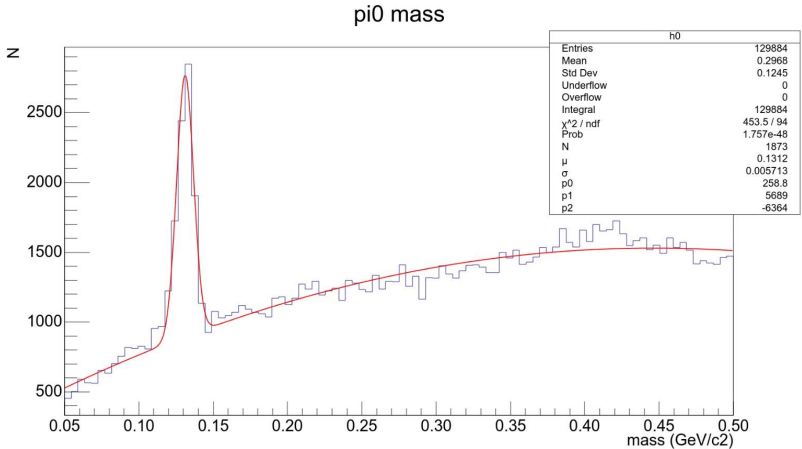
the average number of particles per event is 12.4



reconstructed π^0 mass combining two photons

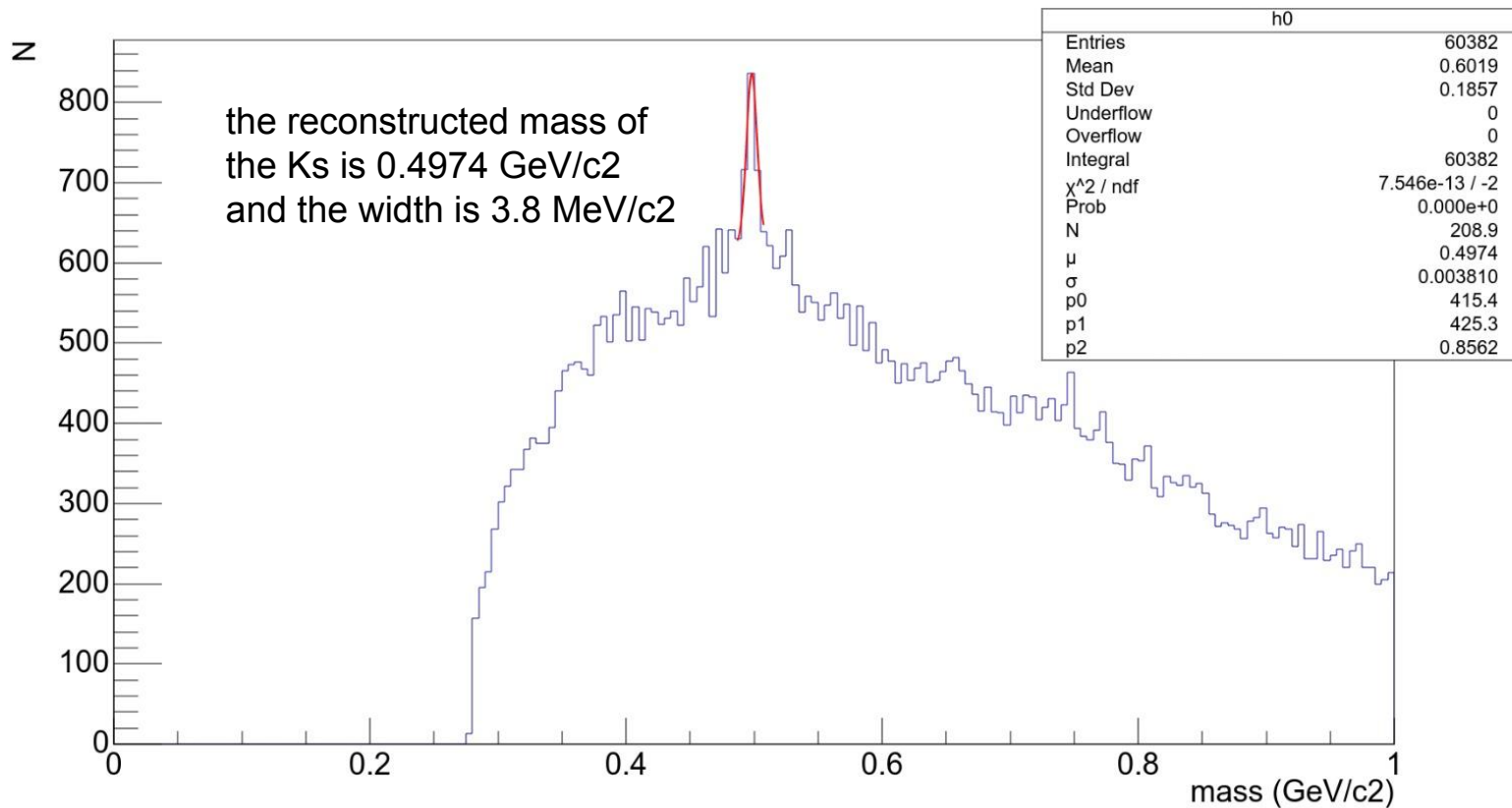
the reconstructed mass of the π^0 is 0.1312 GeV/c² and the width is 5.7 MeV/c²

the background was fitted with a 2nd order polynomial in the top plot and linear polynomial in the bottom plot



reconstructed **Ks** mass combining two charged pions

kaon



reconstructed **phi** mass combining two kaons

the reconstructed mass of the phi is 1.02 GeV/c²
and the width is 2.6 MeV/c²

the background was fitted with a
linear polynomial

