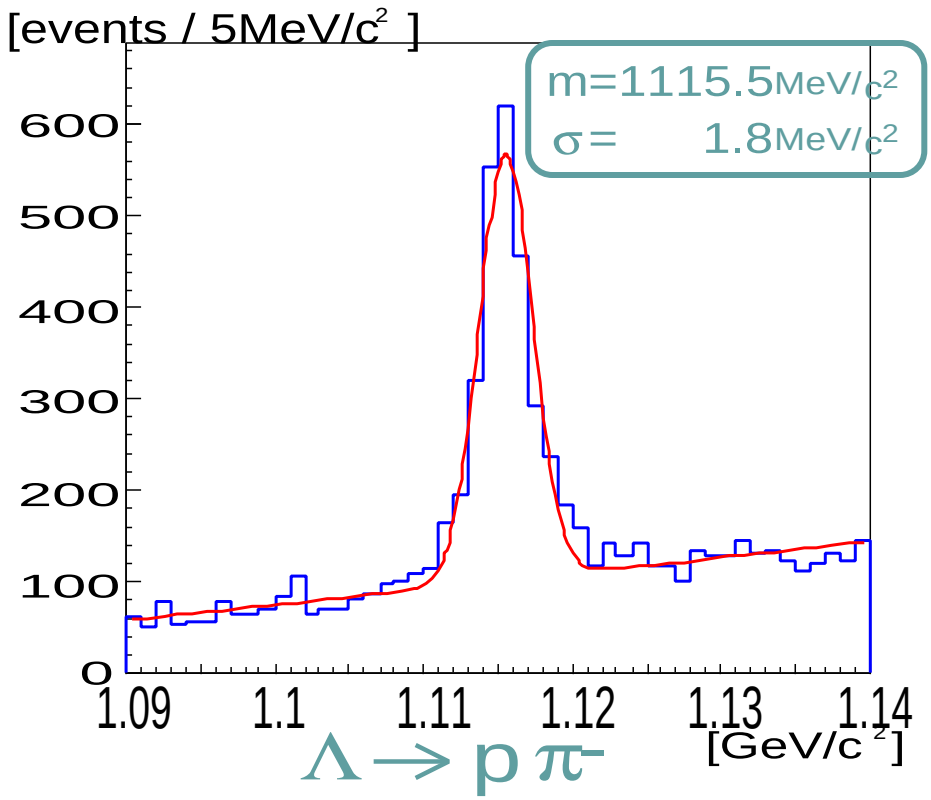
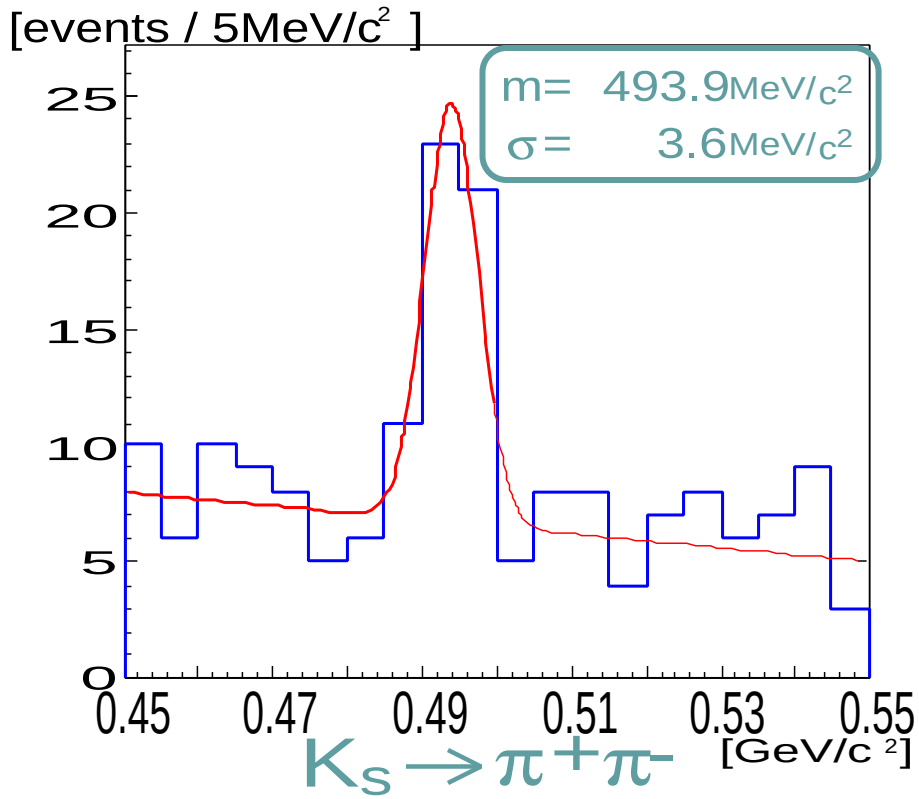
Mass resolution and energy scale





ΔM(measured)= 1.8MeV/c^2
ΔM(M.C.calc.) = 1.9MeV/c^2

Consistent

ΔM(measured)= 3.6MeV/c^2
ΔM(M.C.calc.) = 3.5MeV/c^2

$\omega \rightarrow e^+e^-$ ΔM (M.C.calc.) = 9.6MeV/c^2

$\phi \rightarrow K^+K^-$ ΔM (M.C.calc.) = 2.4MeV/c^2

The energy scale uncertainty was estimated to be less than 1%.