# Pi 0 yield Carbon Target

- Theta production from 0.0 to 0.075 degrees.

- Elasticity goes from 0.7 GeV to 1.18 Gev in 16 steps. One step = 0.03 Gev (30 MeV)

- Fit is shown for each elasticity step.

- Chi square per degree of freedom is shown.

- Pi 0 yield is plotted v/s elasticity.

- Total 544 Graphs are given at:

  https://userweb.jlab.org/~zahmed/PRIMEx/Carbon_Yield/
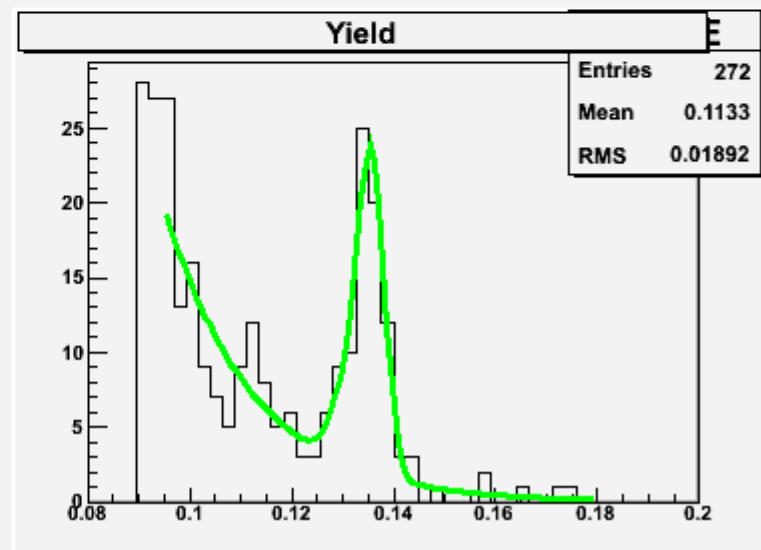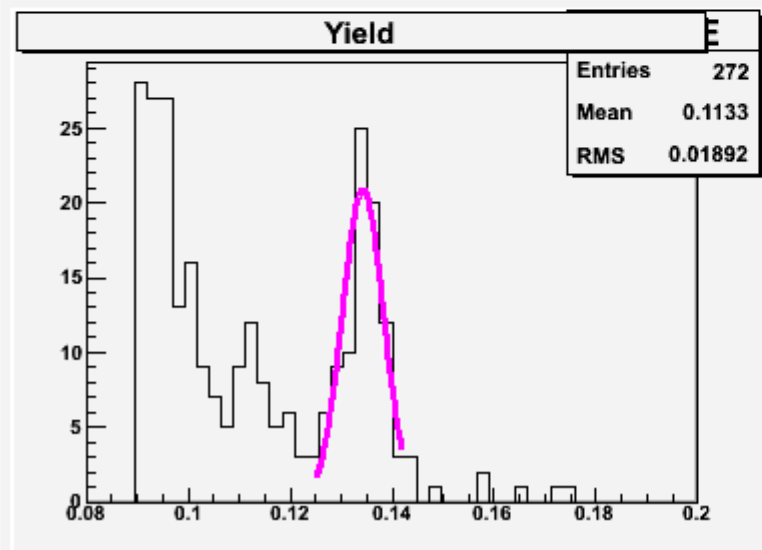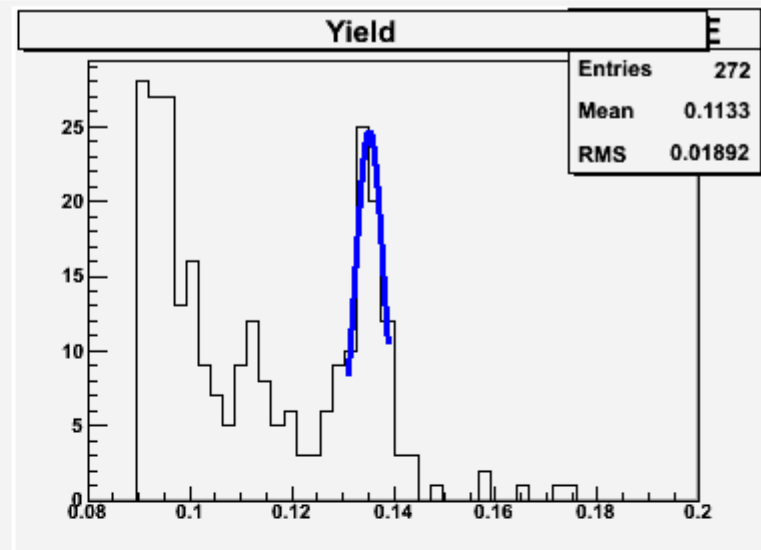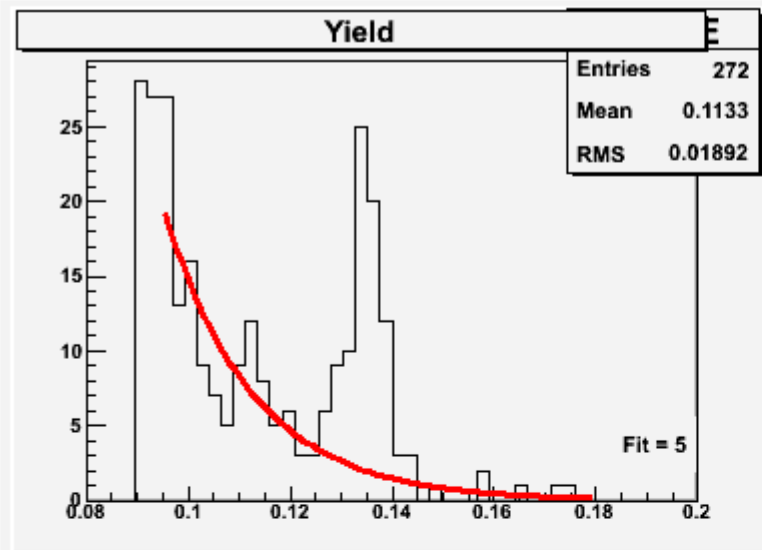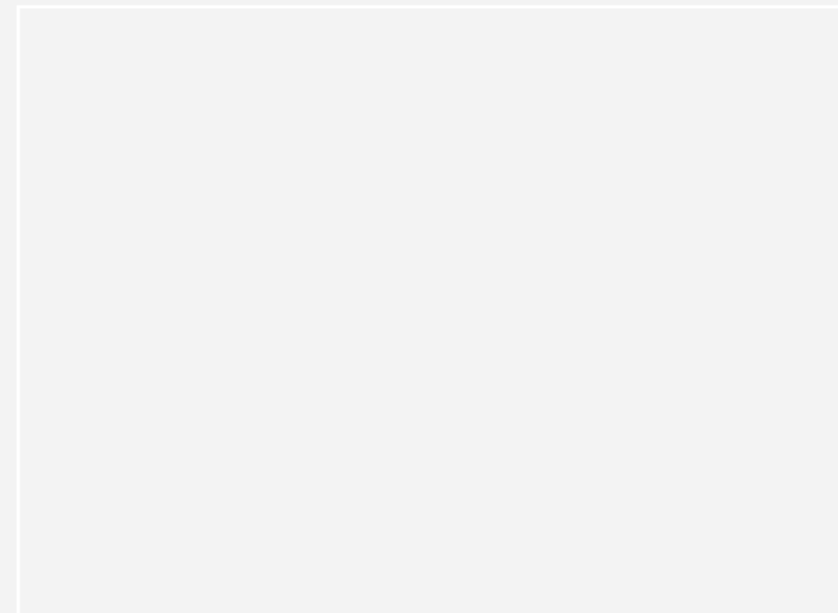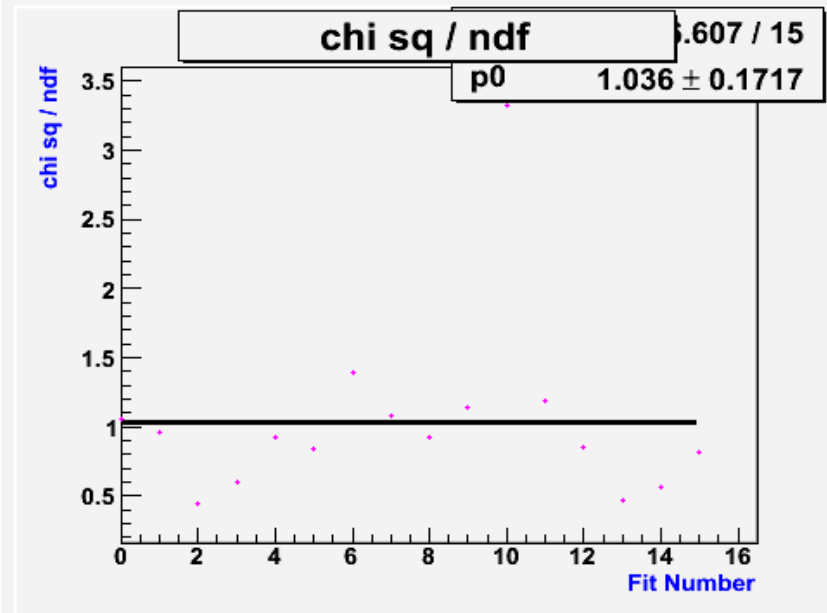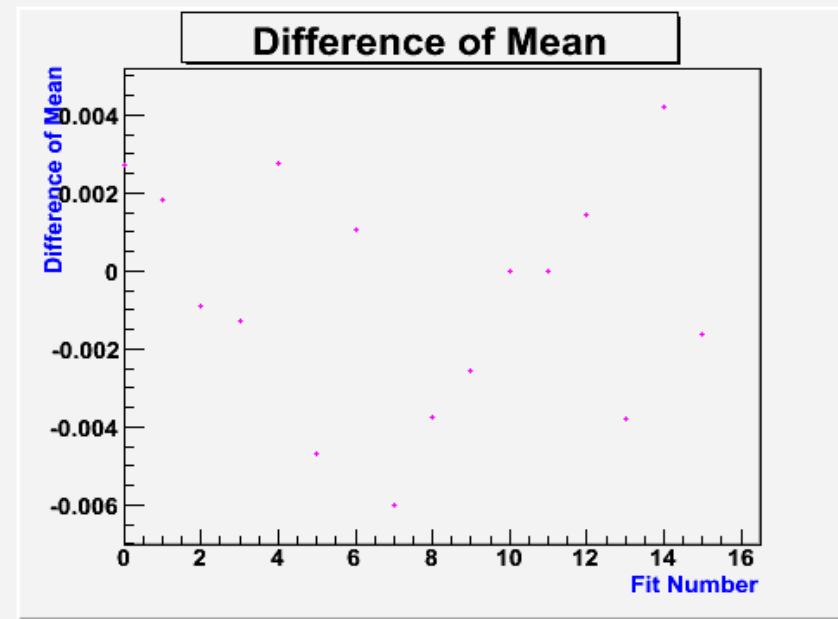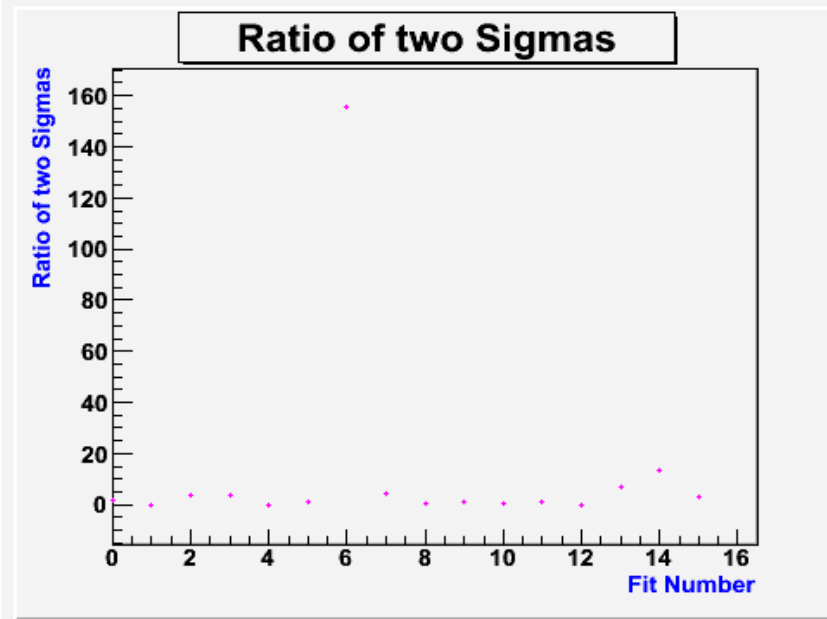
# All fits for one range of Pi production angle (0.0 degree to 0.075 degree ) and 16 steps of elasticity. Elasticity goes from 0.7 GeV to 1.18 GeV.
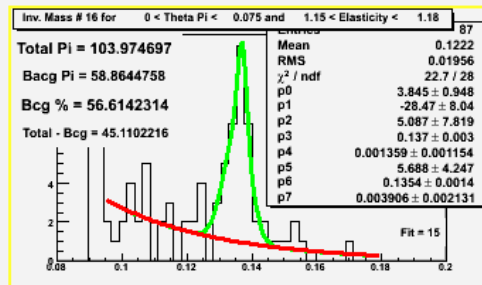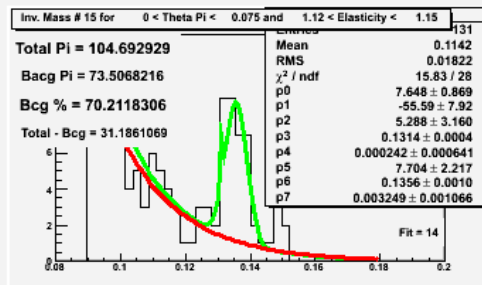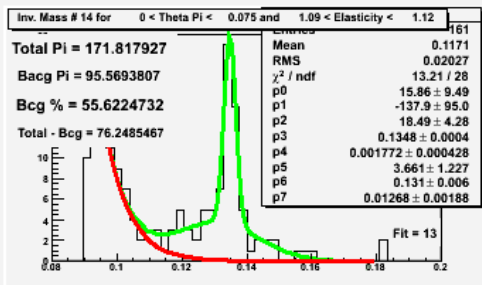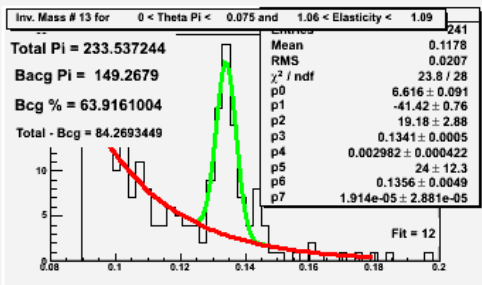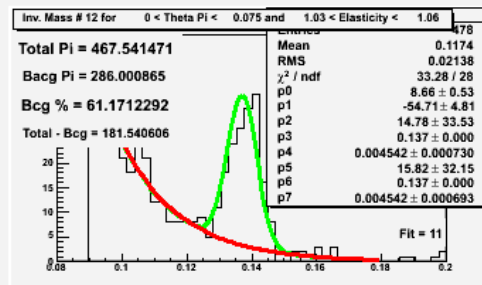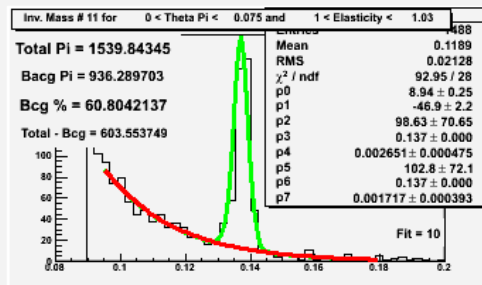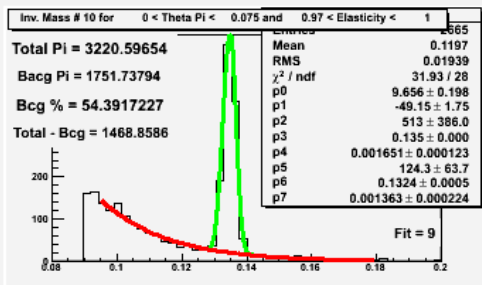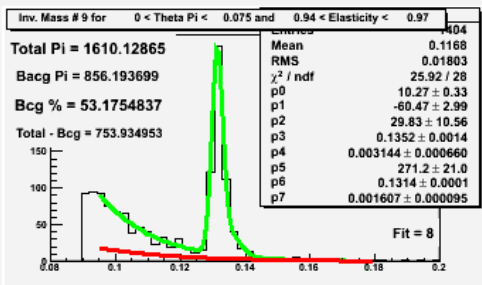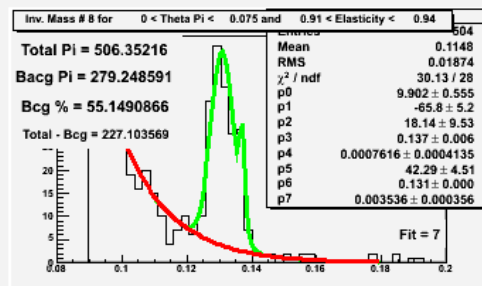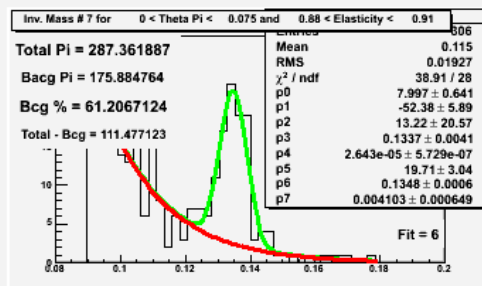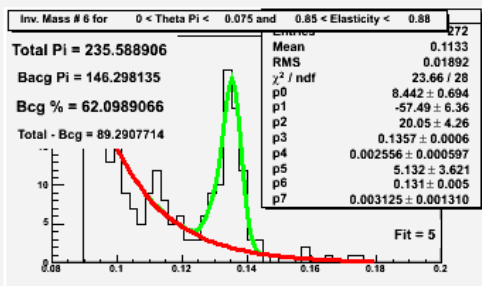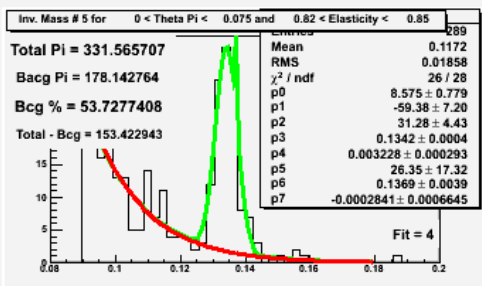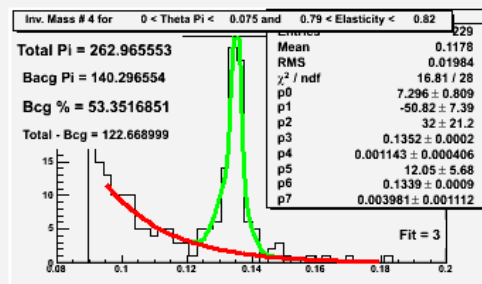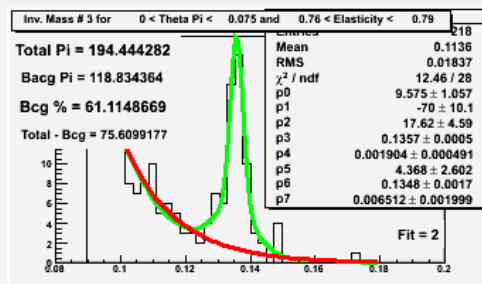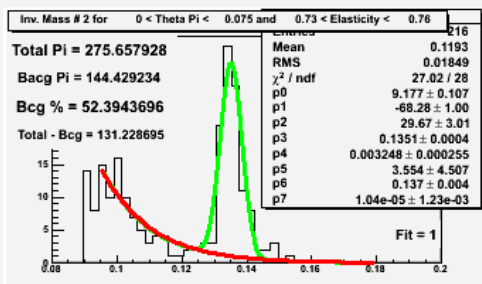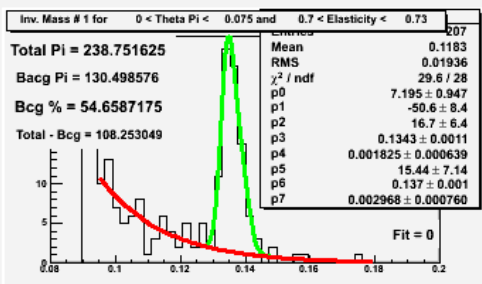
Red:      Background
Blue:     First Gaussin
Pink:     Second Gaussin
Green:  Total fit

# Chi square per degree of freedom

# Pi 0 yield v/s Elasticity