E93-018 – extracting the separated cross section

PRELIMINARY!

(STILL NEED TO BETTER TUNE XSEC MODEL IN SIMC)

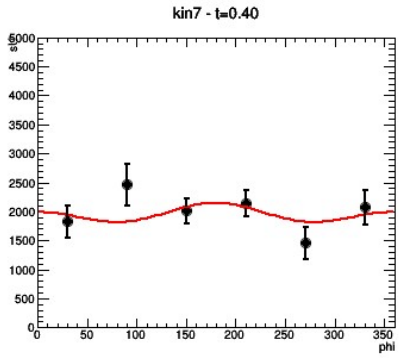
Q2 = 1 GeV2, 3 epsilon settings

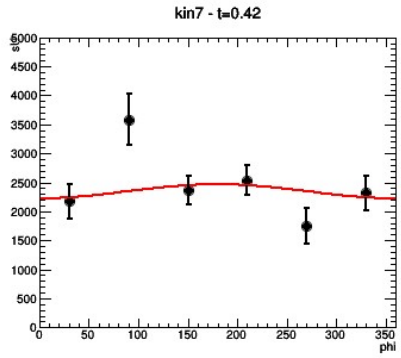
4 bins in t, 6 bins in phi

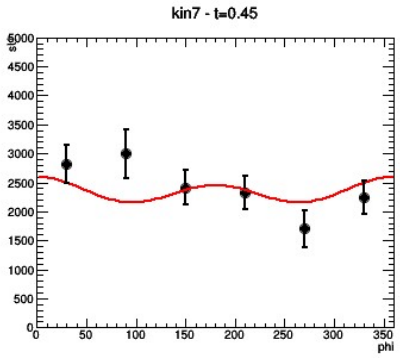
$$\sigma EXP = \frac{YEXP}{YSIMC}\,\sigma SIMC$$

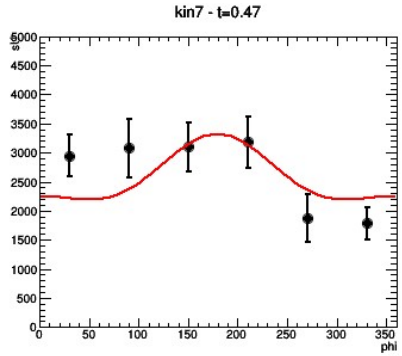
Fit the form: [0] + [1]*cos(phi) + [2]*cos(2*phi)

Eps = 0.38

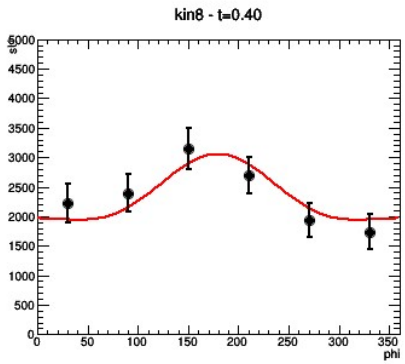


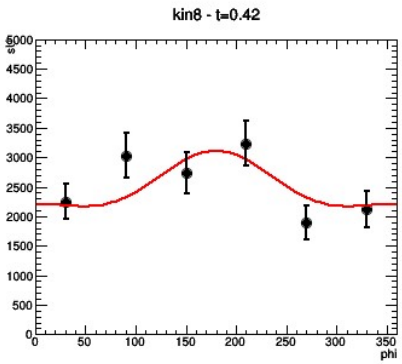


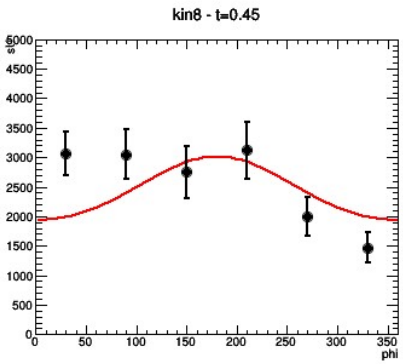


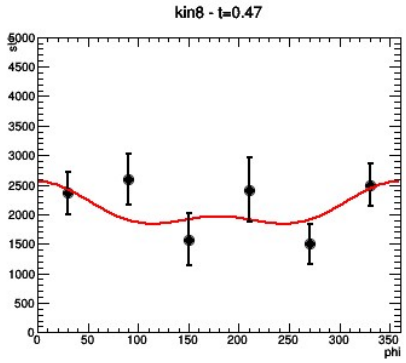


Eps = 0.67

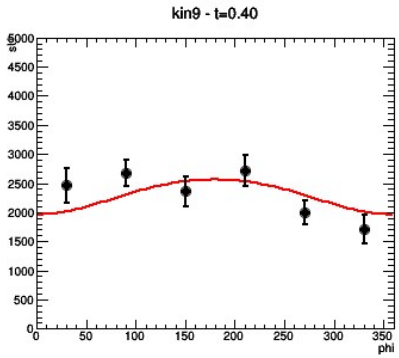


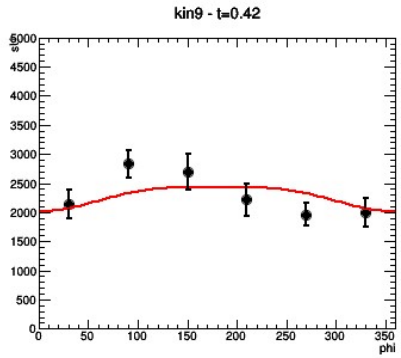


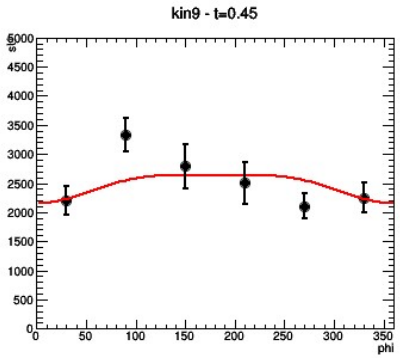


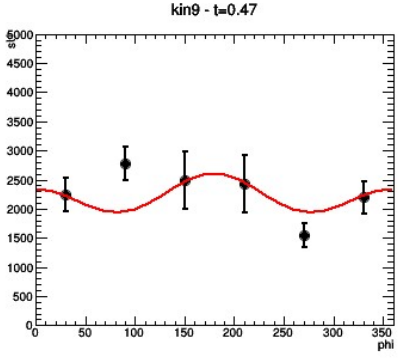


Eps = 0.81

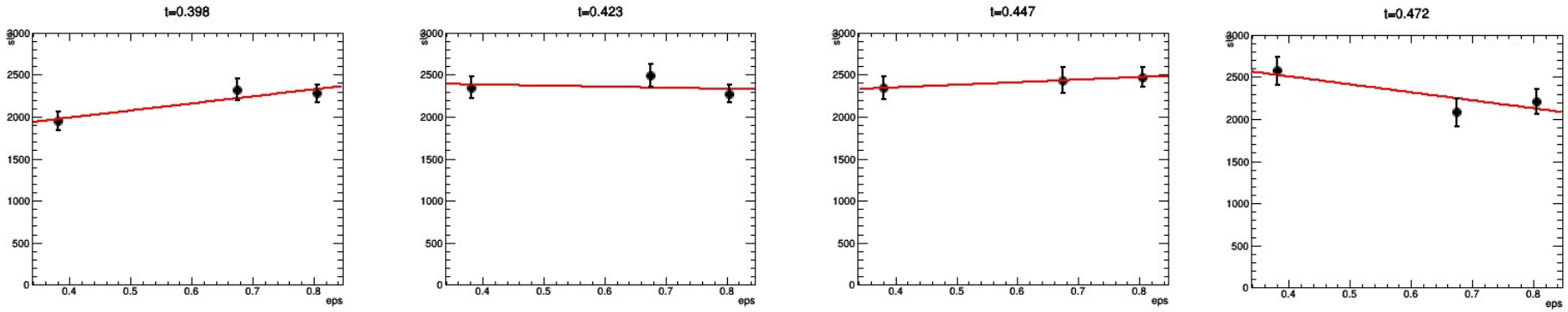






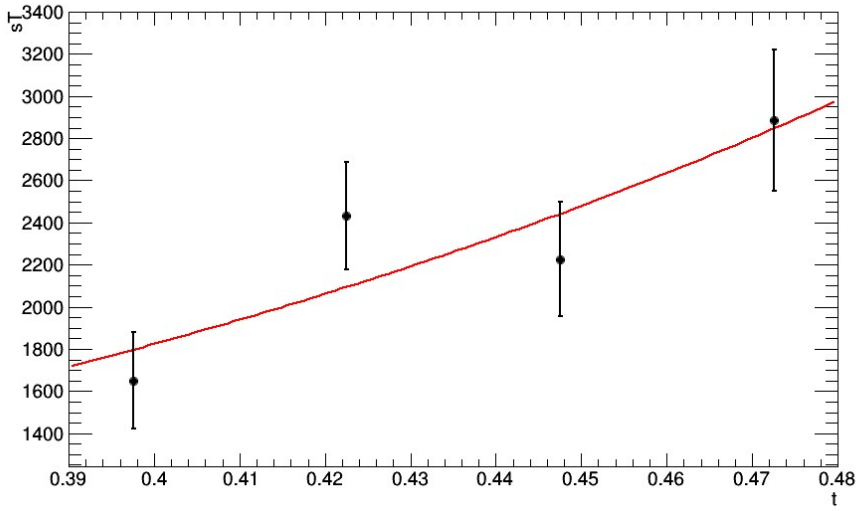


Unseparated cross section (coeff. [0])



Separating cross section: $\sigma_U = \sigma_T + \epsilon\, \sigma_L$

Transverse cross section



Longitudinal cross section