KaonLT Meeting May 2nd, 2024 Richard Trotta

Q²=3.0, W=3.14 Parameterization done in region t-range=0.1-0.3 for center only!

$$\sigma_L = g(W) \cdot (p1 + p2 \log Q^2) e^{(p3 + p4 \log Q^2) \cdot |-t|}, \qquad [5.4]$$

t-avg for all Q²

$$\sigma_T = g(W) \cdot \left[p5 + p6 \cdot \log Q^2 + (p7 + p8 \cdot \log Q^2) \cdot \frac{|-t| - (0.1112 + 0.0066 \cdot \log Q^2)}{(0.1112 + 0.0066 \cdot \log Q^2)} Q^2 \right],$$

Separated Response Functions in [5.5]

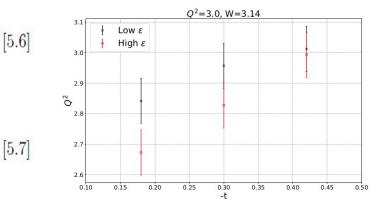
Separated Response functions in
Exclusive, Forward
$$\pi^{\pm}$$
 Electroproduction on Deuterium

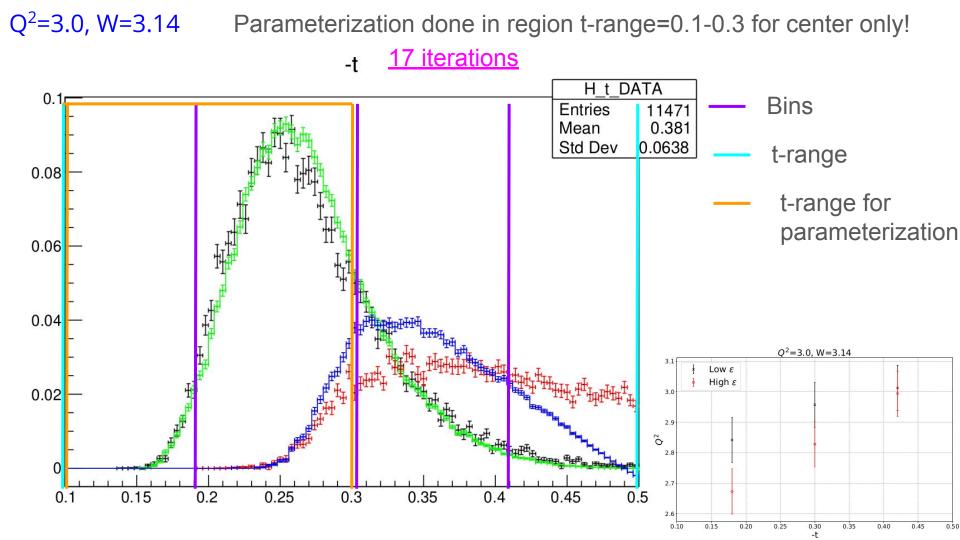
arXiv:1412.5140v1 [nucl-ex] 16 Dec 2014

$$\sigma_{\mathrm{LT}} = g(W) \cdot \left(\mathrm{p}9e^{\mathrm{p}10 \cdot |-t|} + \frac{\mathrm{p}11}{|-t|}\right) \cdot \sin\theta_{CM}.$$

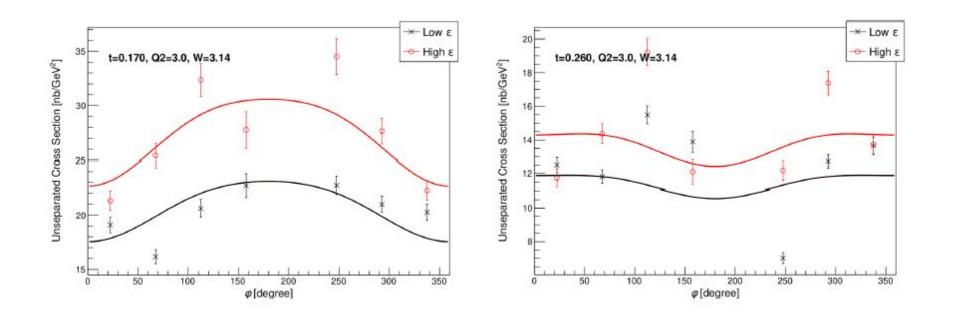
$$\sigma_{\rm TT} = g(W) \cdot (f(t) \cdot \frac{\mathrm{p}12}{Q^2} e^{-Q^2}) \cdot \sin^2 \theta_{CM},$$

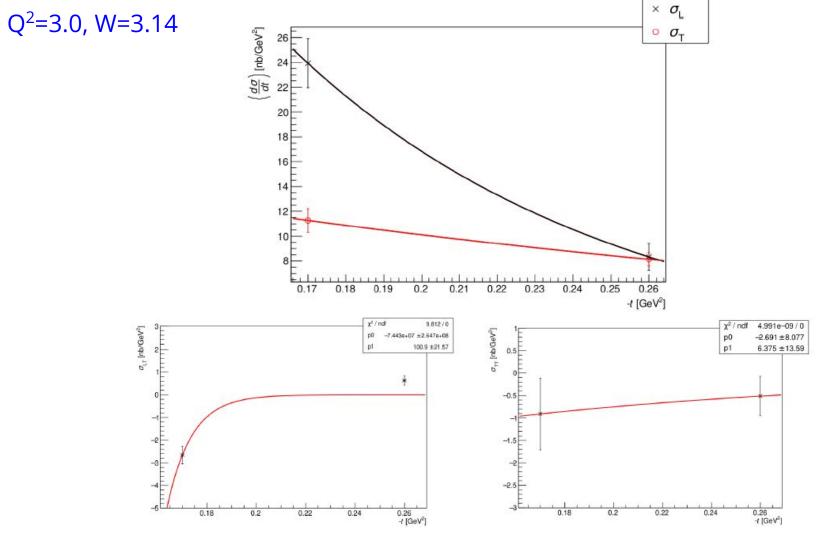
 Only when generating new parameters during iterations, Q² term is fixed at 3.0



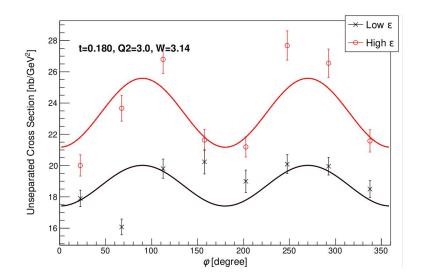


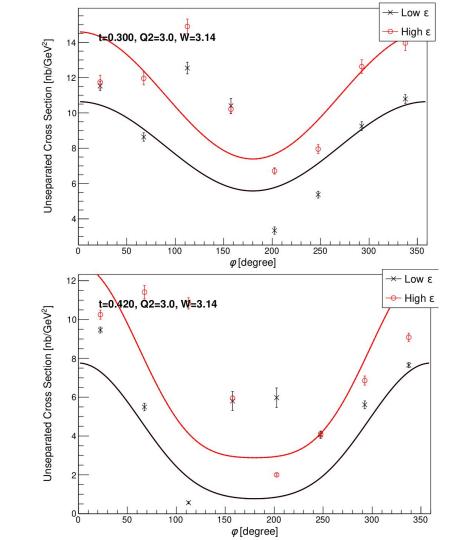
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