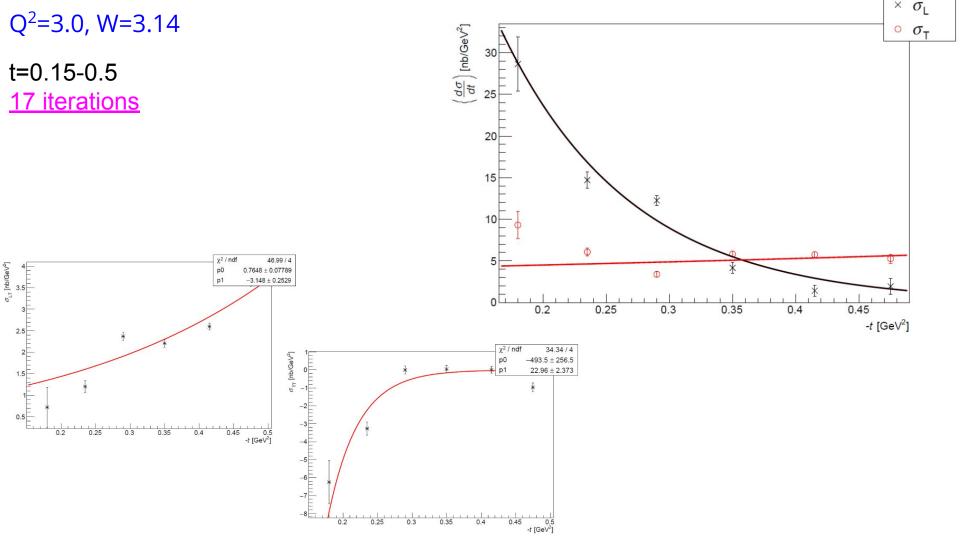
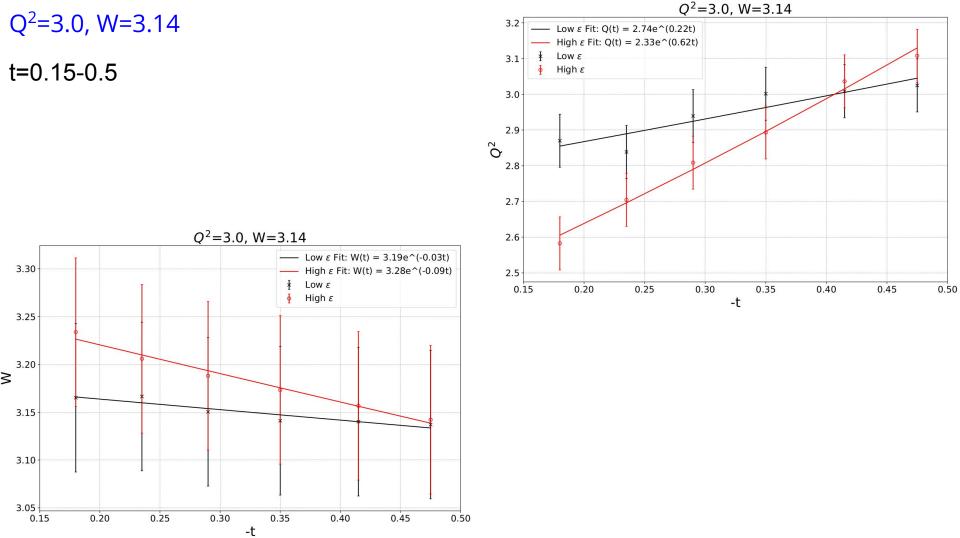
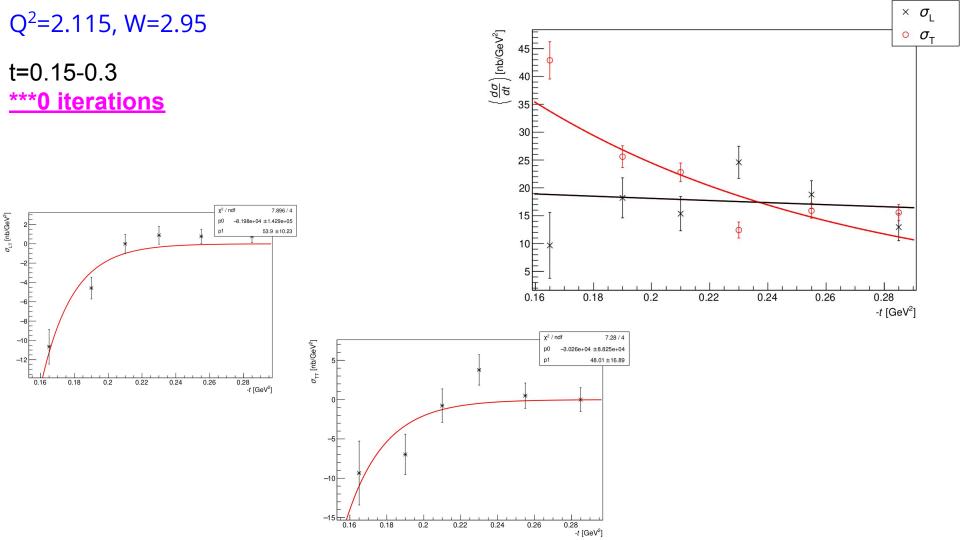
KaonLT Meeting

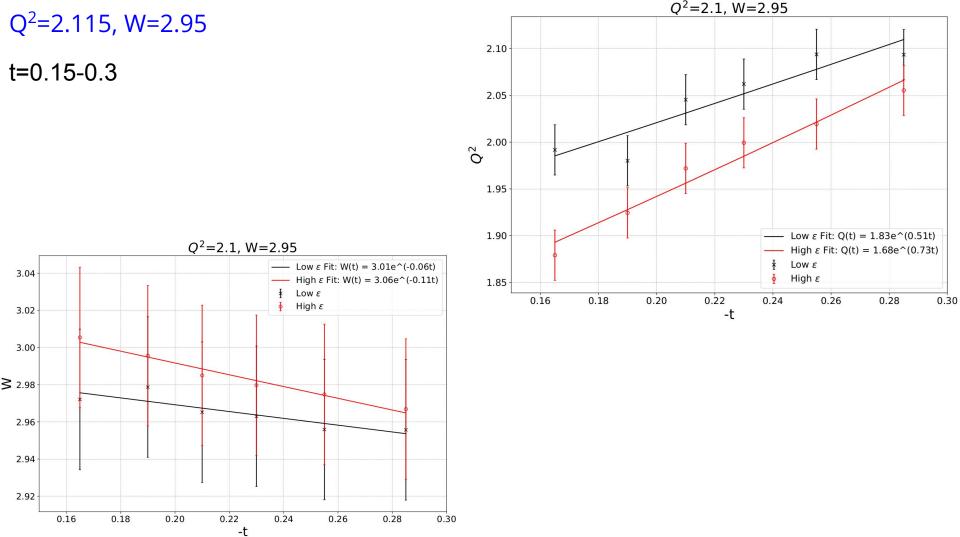
May 23rd, 2024

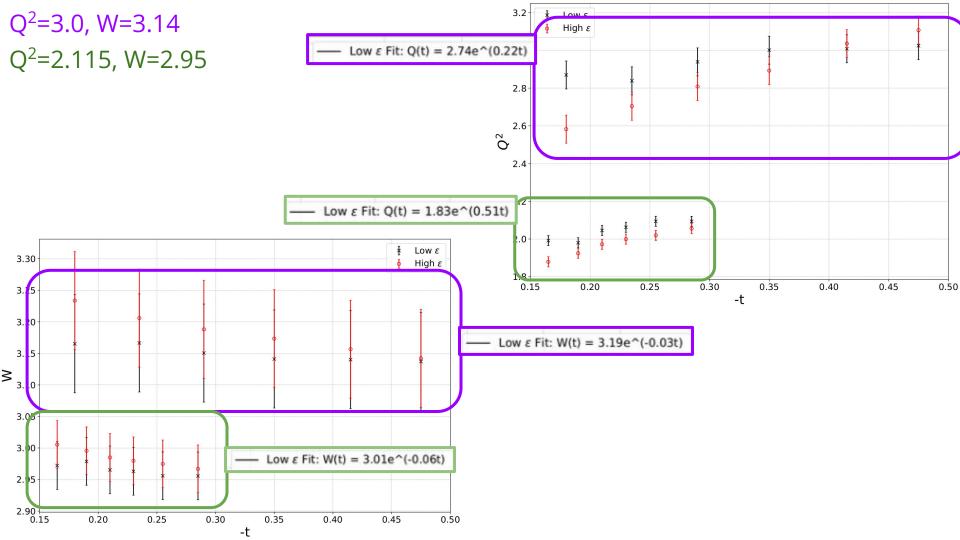
Richard Trotta











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

t-avg for all Q²

[5.4]

[5.5]

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

Separated Response Functions in

Exclusive, Forward π^{\pm} Electroproduction on Deuterium

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

$$\sigma_{\rm LT} = g(W) \cdot (p9e^{p10 \cdot |-t|} + \frac{p11}{|-t|}) \cdot \sin \theta_{CM}.$$
 [5.6]

$$\sigma_{\rm TT} = g(W) \left(f(t) \cdot \frac{\text{p12}}{Q^2} e^{-Q^2} \right) \cdot \sin^2 \theta_{CM}, \tag{5.7}$$

Needs to adapt xsect functions with...

- $Q^2 Q(t) = Ae^{A(Bt)}$
- g(W)
 - W(t)=const.
 - \circ W(t)=mt+b