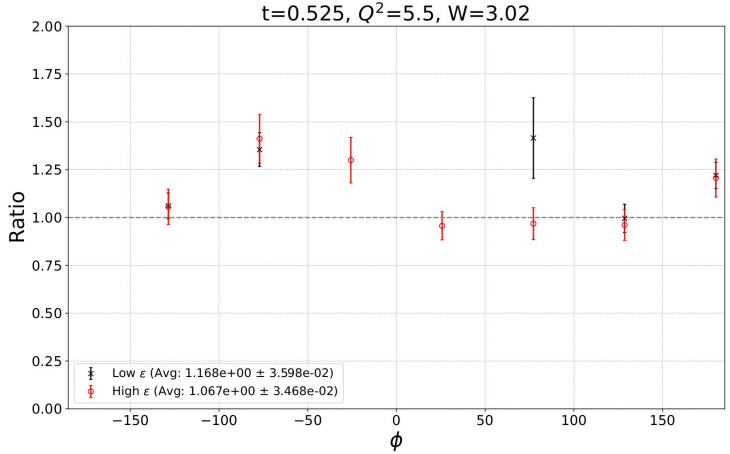
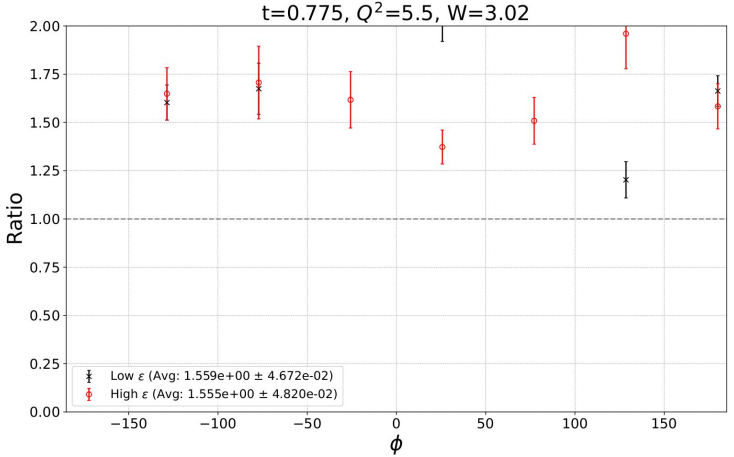
KaonLT Meeting

April 3rd, 2024

Richard Trotta

Q^2=5.5, W=3.02, t=(0.40-0.90), 2t, 8φ





$$\sigma_L = (p_1 \cdot f_t) \cdot e^{-p_2|t|}$$

$$\sigma_T = \frac{p_5}{|t|^{p_6}}$$

$$\sigma_{LT} = p_9 \cdot e^{-p_{10}|t|} \sin\theta$$

$$\sigma_{TT} = \frac{p_{13}}{|t|^{p_{14}}} \sin^2\theta$$

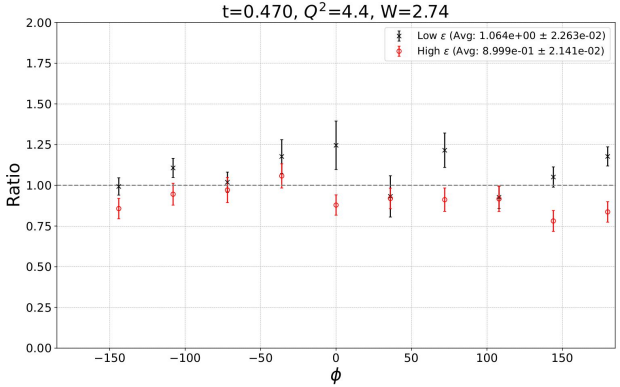
i=3

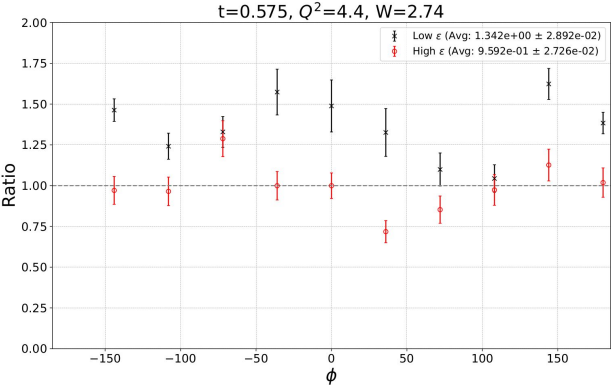
Settings Breakdown

- Q^2=2.115, W=2.95
  - TBD (Previously good agreement with Q^2=3.0, W=3.14 setting)
  - Low statistics (~2 good bins)
- Q^2=3.0, W=2.32
  - TBD
- Q^2=3.0, W=3.14
  - **R~1**
- Q^2=4.4, W=2.74
  - Approaching R~1
- Q^2=5.5, W=3.02
  - Approaching R~1 for good bins
  - Low statistics (~1 good bin)

$$w_{\text{factor}} = \frac{1}{(W^2 - M^2)^{0.85 \cdot W_c^2 - 5.97 \cdot W_c + 12.68}}$$

Q^2=4.4, W=2.74, t=(0.40-0.85), 5t, 10φ





$$\sigma_L = (p_1 \cdot f_t) \cdot e^{-p_2|t|}$$

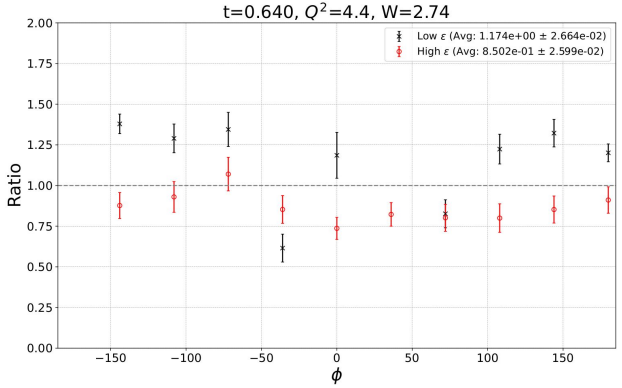
$$\sigma_T = \frac{p_5}{|t|^{p_6}}$$

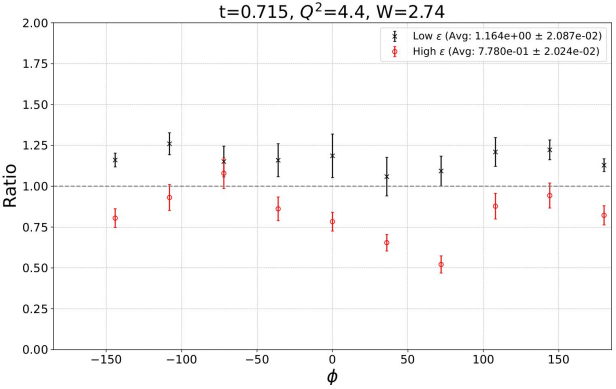
$$\sigma_{LT} = p_9 \cdot e^{-p_{10}|t|} \sin\theta$$

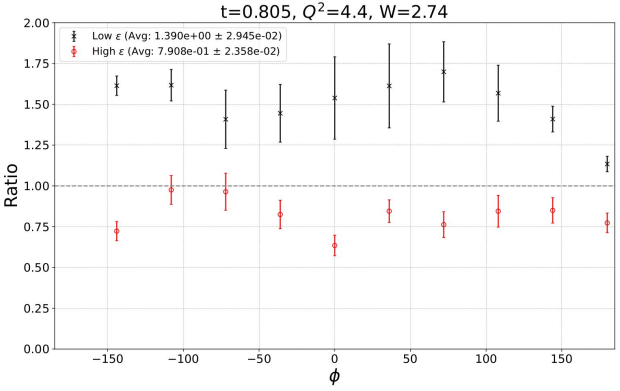
$$\sigma_{TT} = \frac{p_{13}}{|t|^{p_{14}}} \sin^2\theta$$

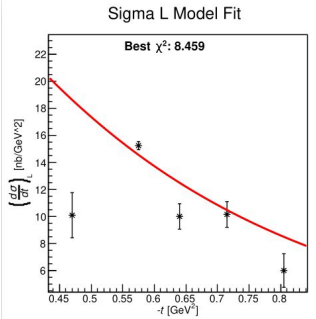
i=5

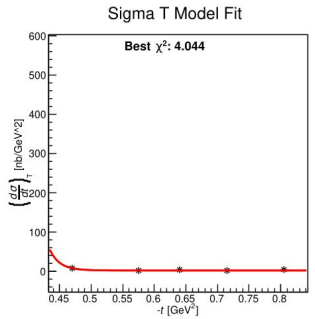
Q^2=4.4, W=2.74, t=(0.40-0.85), 5t, 10φ

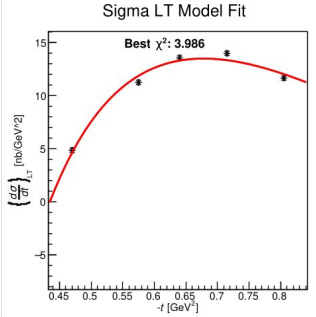


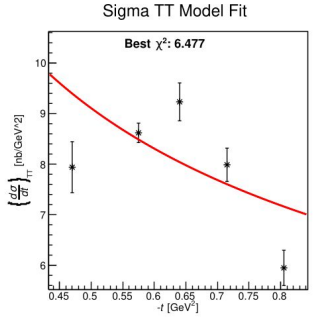












i=5