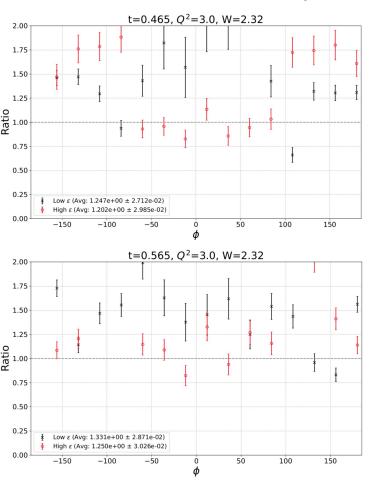
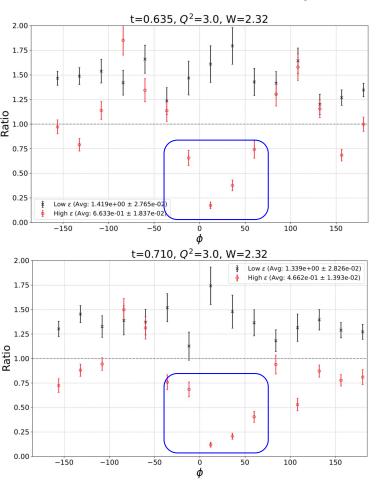
## KaonLT Meeting April 24<sup>th</sup>, 2024 Richard Trotta

Q<sup>2</sup>=3.0, W=2.32, t=(0.40-0.75), 4t, 15φ



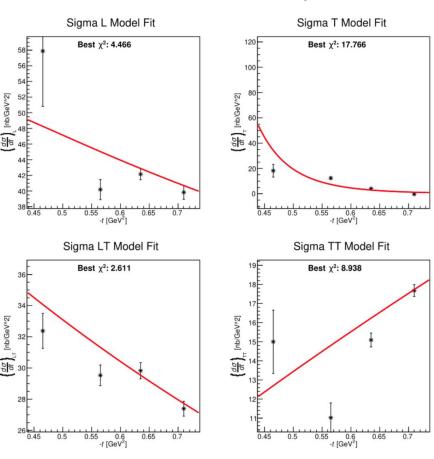
$$egin{aligned} \sigma_L &= (p_1 \cdot f_t) \cdot e^{-p_2 |t|} \ &\sigma_T &= rac{p_5}{|t|^{p_6}} \ &\sigma_{LT} &= p_9 \cdot e^{-p_{10} |t|} \sin heta \ &\sigma_{TT} &= rac{p_{13}}{|t|^{p_{14}}} \sin^2 heta \end{aligned}$$

Q<sup>2</sup>=3.0, W=2.32, t=(0.40-0.75), 4t, 15φ



$$egin{aligned} \sigma_L &= (p_1 \cdot f_t) \cdot e^{-p_2 |t|} \ &\sigma_T &= rac{p_5}{|t|^{p_6}} \ &\sigma_{LT} &= p_9 \cdot e^{-p_{10} |t|} \sin heta \ &\sigma_{TT} &= rac{p_{13}}{|t|^{p_{14}}} \sin^2 heta \end{aligned}$$

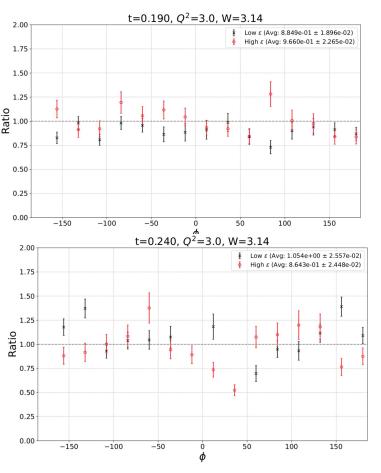
Q<sup>2</sup>=3.0, W=2.32, t=(0.40-0.75), 4t, 15φ



 $\sigma_L = (p_1 \cdot f_t) \cdot e^{-p_2 |t|}$  $p_5$  $|t|^{p_6}$  $\sigma_{LT} = p_9 \cdot e^{-p_{10}|t|} \sin heta$  $p_{13}$  $-\sin^2 heta$  $\sigma_{TT}$  $t | p_{14}$ 

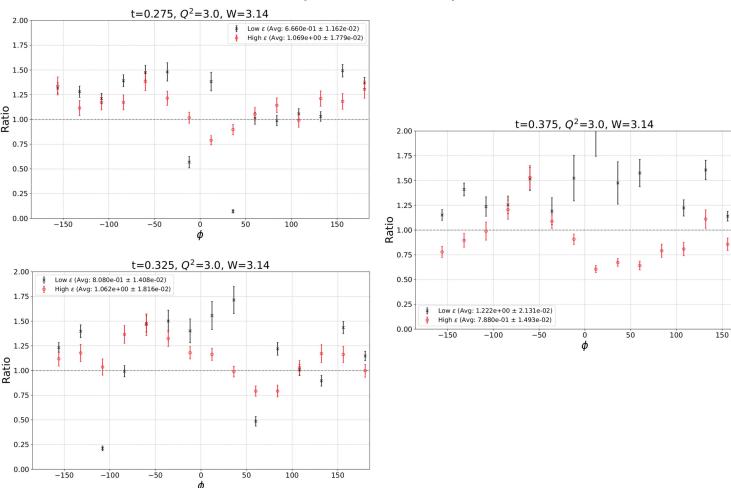
Likely need adjustment

## Q<sup>2</sup>=3.0, **W=3.14**, t=(0.15-0.40), 5t, 15φ



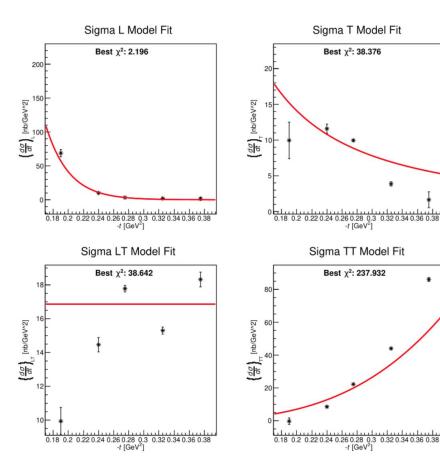
$$egin{aligned} \sigma_L &= (p_1 \cdot f_t) \cdot e^{-p_2 |t|} \ &\sigma_T &= rac{p_5}{|t|^{p_6}} \ &\sigma_{LT} &= p_9 \cdot e^{-p_{10} |t|} \sin heta \ &\sigma_{TT} &= rac{p_{13}}{|t|^{p_{14}}} \sin^2 heta \end{aligned}$$

Q<sup>2</sup>=3.0, W=3.14, t=(0.15-0.40), 5t, 15φ



## i=10

Q<sup>2</sup>=3.0, W=3.14, t=(0.15-0.40), 5t, 15φ



$$egin{aligned} \sigma_L &= (p_1 \cdot f_t) \cdot e^{-p_2 |t|} \ &\sigma_T &= rac{p_5}{|t|^{p_6}} \ &\sigma_{LT} &= p_9 \cdot e^{-p_{10} |t|} \sin heta \ &\sigma_{TT} &= rac{p_{13}}{|t|^{p_{14}}} \sin^2 heta \end{aligned}$$

## To Do

- 1. Finish up Q<sup>2</sup>=3.0/W=2.32
- **2.** Re-parameterize  $Q^2$ =3.0/W=3.14 with new functional form
- 3. Parameterize Q<sup>2</sup>=2.115/W=2.95
- 4. Full SIMC runs with new functions and parameters for all settings
- 5. Full Replay for all settings
- 6. Finalize systematics study

Finish up by end of May