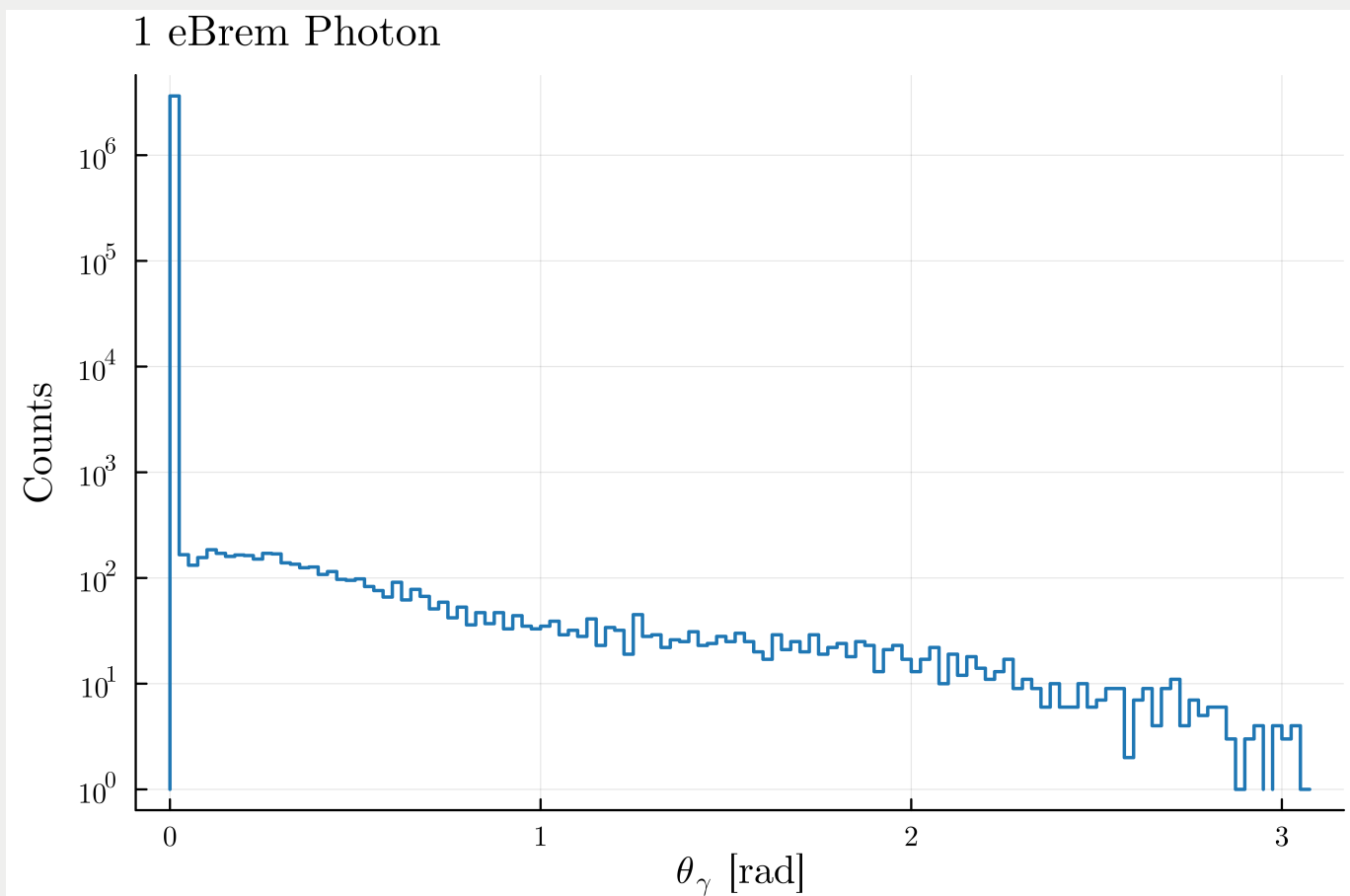
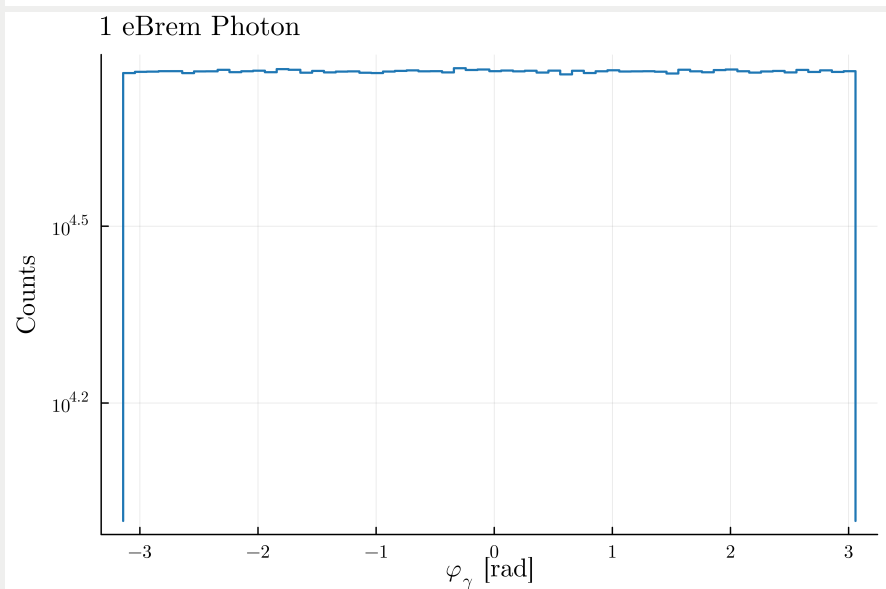
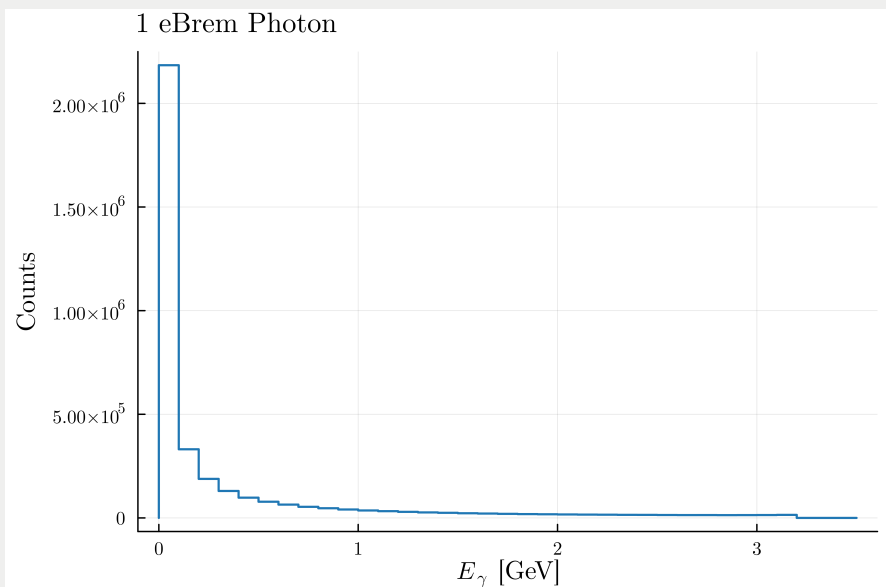


LOHENGRIN MEETING

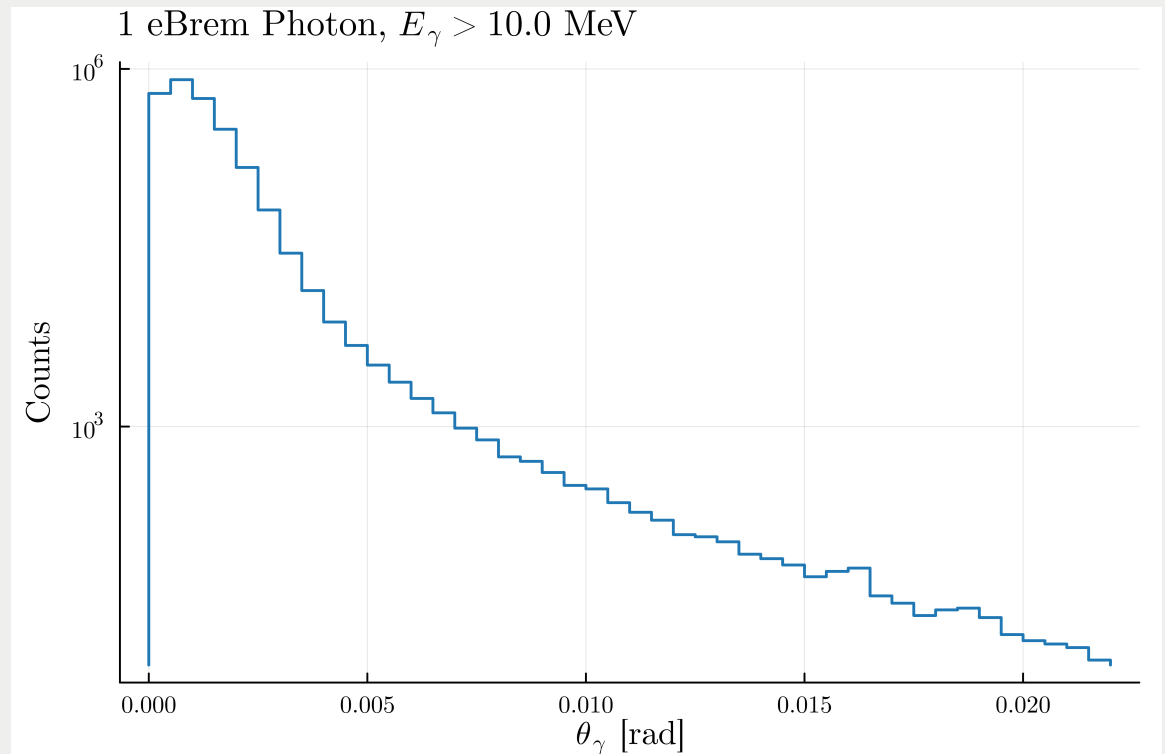
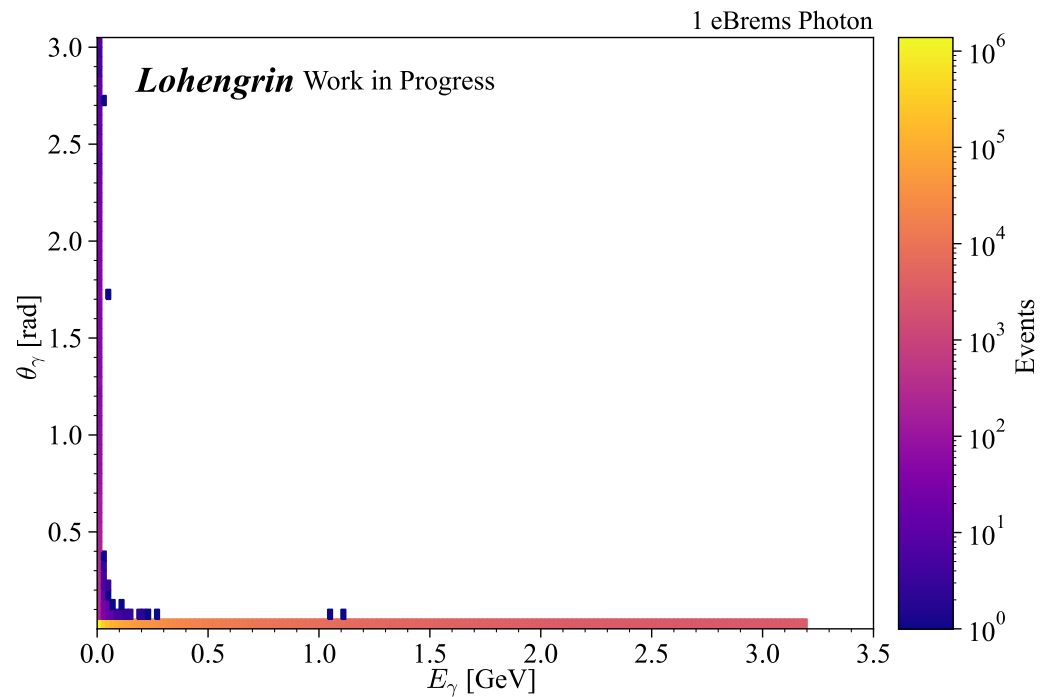
Cedric Breuning



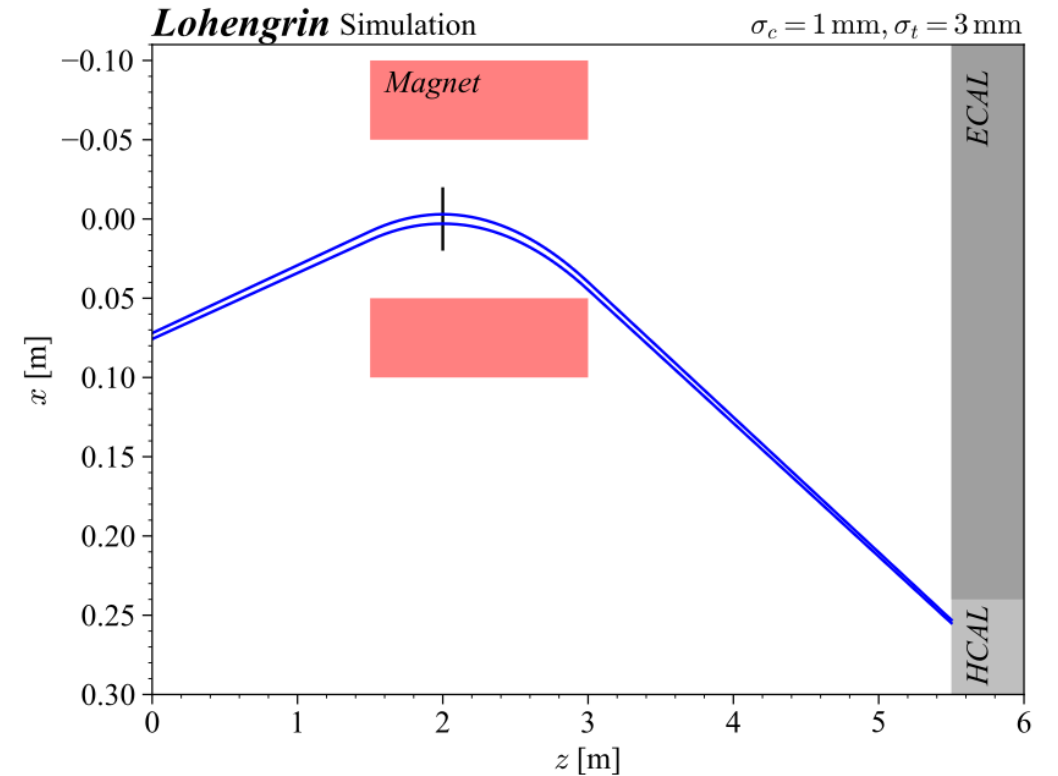
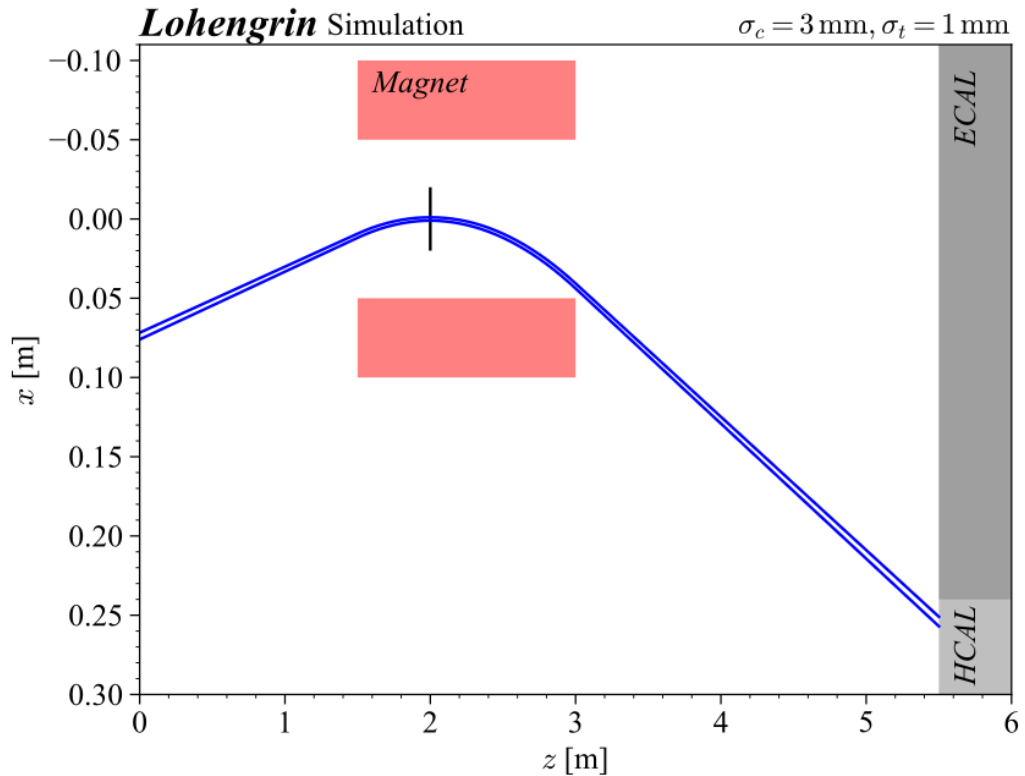
QED DISTRIBUTIONS



ENERGY CUT



REMINDER: FOCUS SCENARIOS

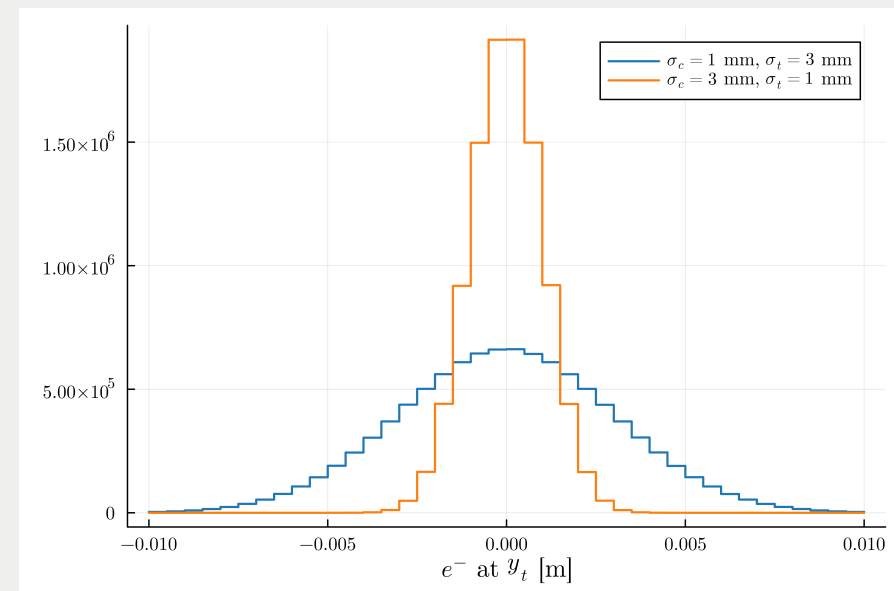
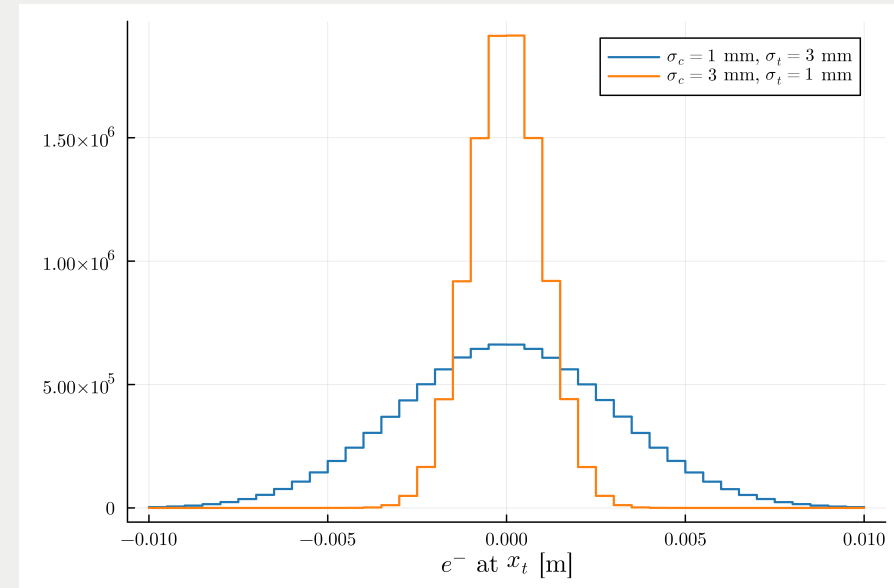


ELECTRON ON TARGET + QED ANGLE

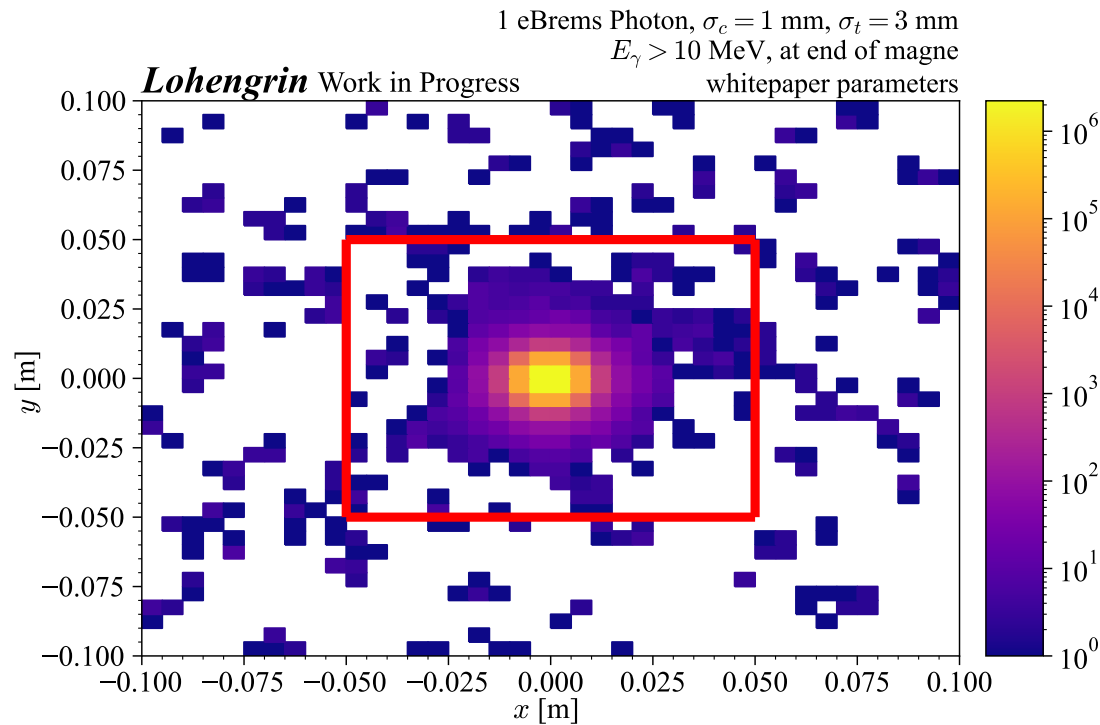
- Draw x_t, y_t from Gaussian and convert to e^- angle at target

$$\vartheta_y = \frac{\frac{\sigma_{y,c} - 1}{\sigma_{y,t}} \cdot y_t}{z_c - z_t} \quad \text{and} \quad \theta_t = -\frac{\left(\frac{\sigma_{x,c} - 1}{\sigma_{x,t}}\right) \cdot x_t}{\frac{l_{TM} + l_{MC}}{\lambda} + \frac{l_{TM}^2 \cdot l_{MC}}{R^2 \lambda^3}}$$

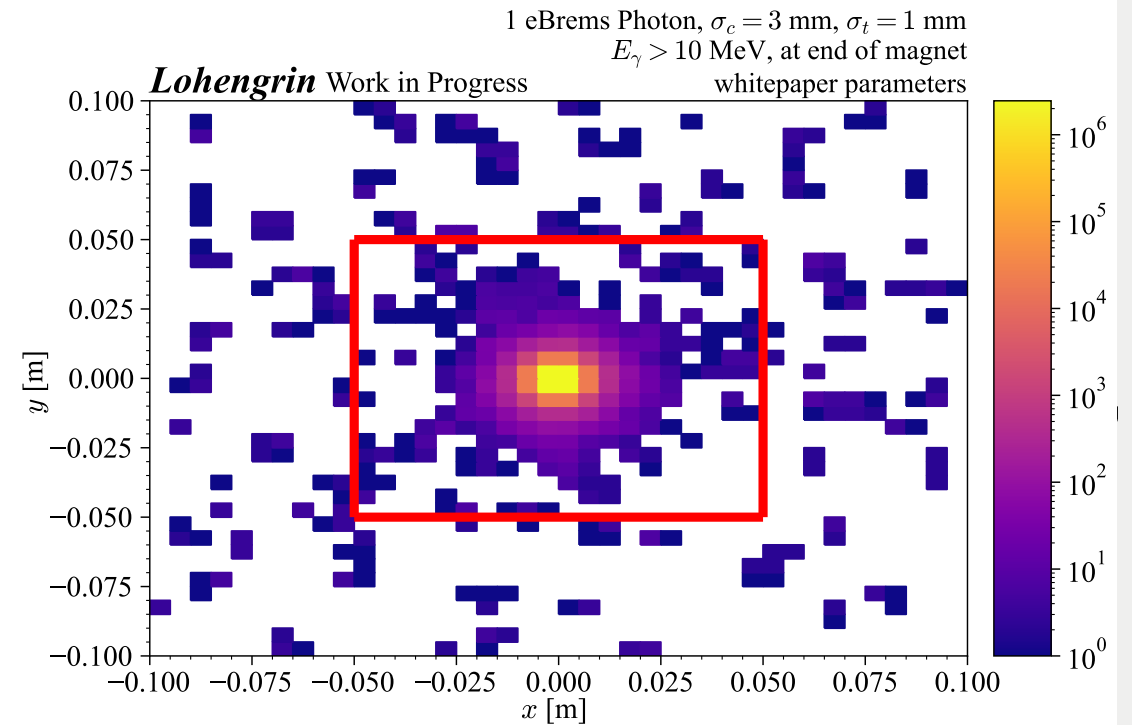
- Draw θ_γ and φ_γ from QED distributions and set γ direction
- Rotate by e^- angles in x and y at target



PHOTONS AT TARGET END



99.99581% inside magnet



99.99597% inside magnet

