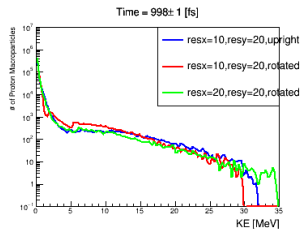
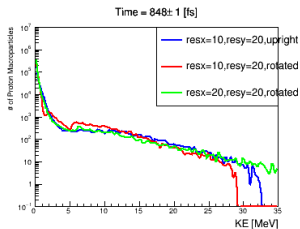
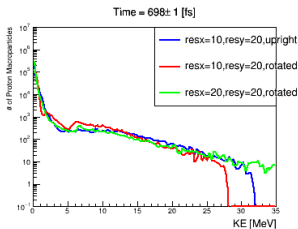
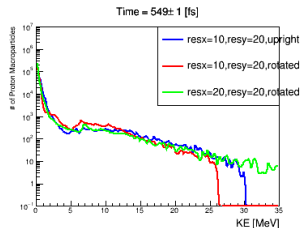
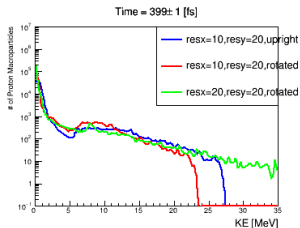
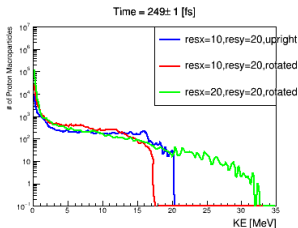


LhARA Meeting

Hin Tung Lau

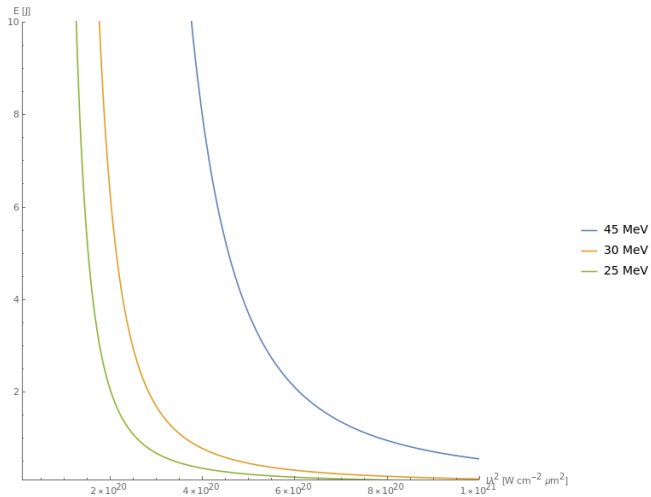
July 16, 2020

Cell Size Convergence



- Low resolution (green) affected by numerical heating
- Discrepant max energy of rotated foil simulation to reference upright simulation

Cell Size Convergence



- Upright foil and rotated foil may not be quite as comparable as protons due to the positioning of the foil being different
 - ① Compare rotation simulations against each other for convergence
 - ② Adjust foil such that the protons travel same distance as in upright case
- Since both dimensions now correlated, need to test both the cell size of both horizontal and vertical
- Might be most logical to keep the cell sizes equal