MagLIF MCNP Model for Brandon

July 2016

Overview

- Model is for MagLIF shots 2849-52, taken in September 2015

- Model includes CR-39 packages fielded on top (in lieu of one top indium) and along the side.
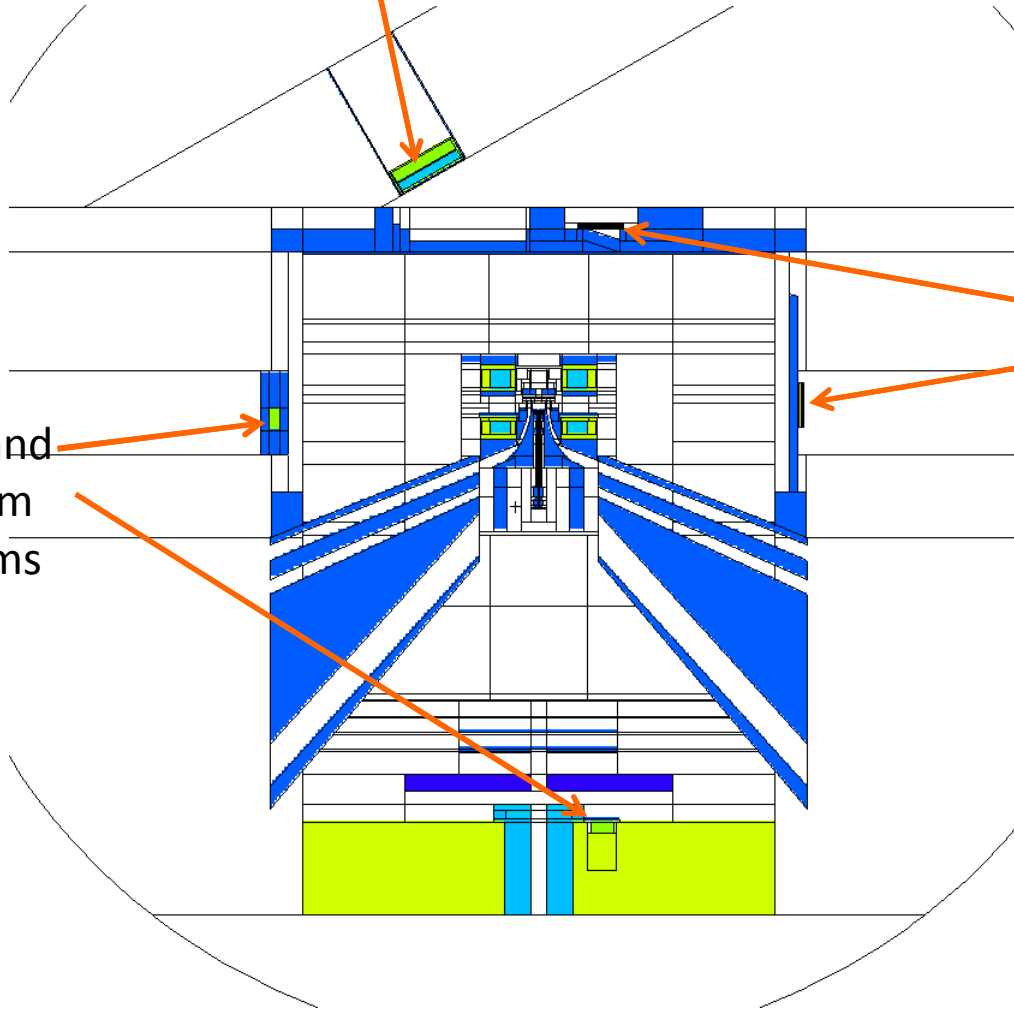
Model (for Kelly's ref)

- Folder: Z:\DATA\MCNP\Input_Files\Roosevelt\v12_Roosevelt\c_Roosevelt_v12\For_Brandon\v12_c_CR-39_d

- File: Roosevelt_v12_c_CR-39_d

- (added TMESH tally from Z:\DATA\MCNP\Input_Files\Roosevelt\v12_Roosevelt\c_Roosevelt_v12\CR-39_ride-along\d_Roosevelt_v12_c_CD-39\11_rerun)
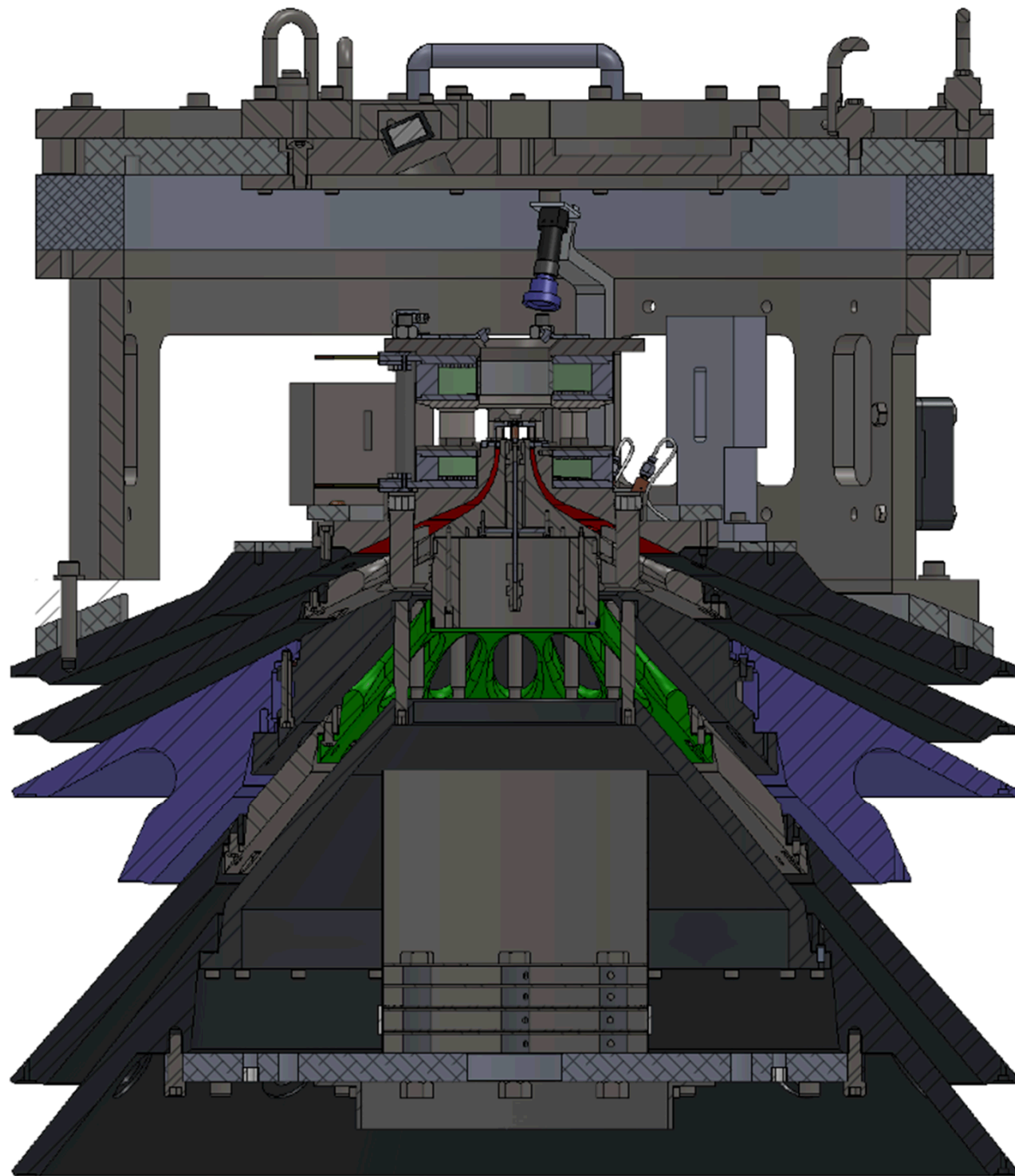
Re-entrant "Rabbit" tube where copper and other materials are fielded (and extracted a few minutes after shot)

Top and Side CR-39 packages

Side and Bottom Indiums

From Configuration
Summary for A0469
(MagLIF shot 2850-52)

Side by side comparison of engineering model and MCNP model.

It's useful to compare measurements I know and some I scale from the drawing.