

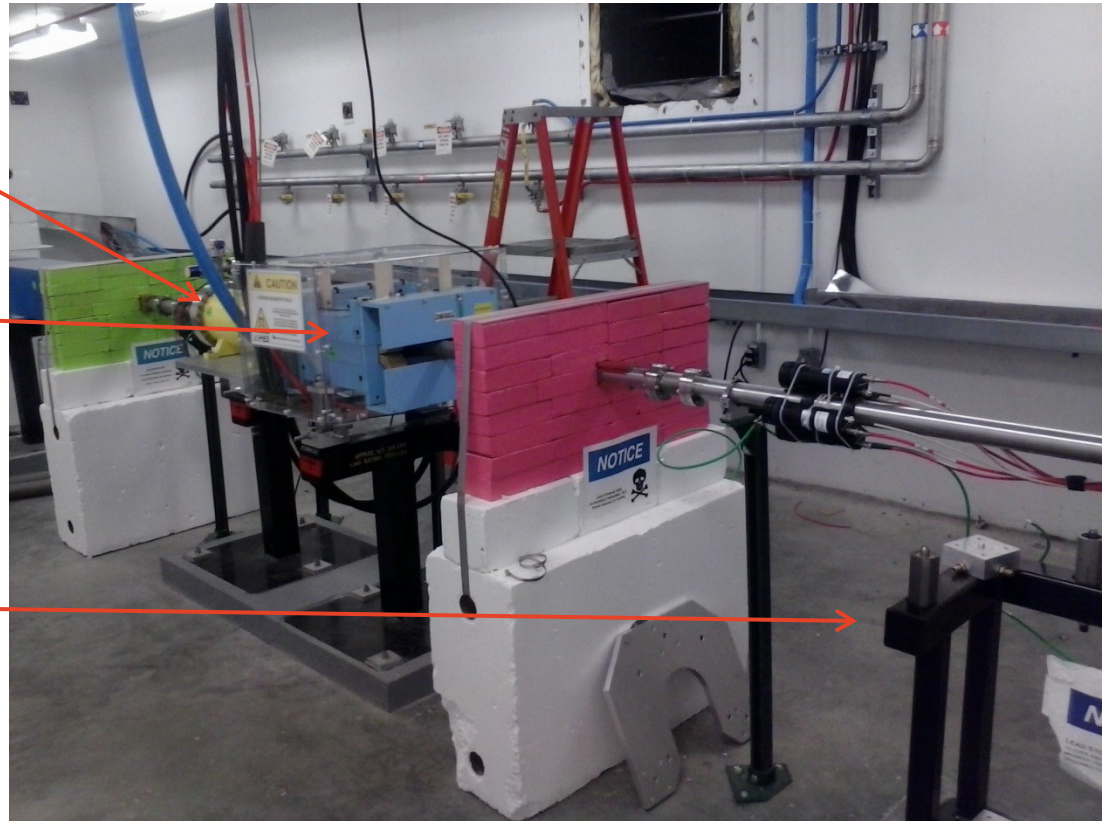
Collimation study

Michael Dugger



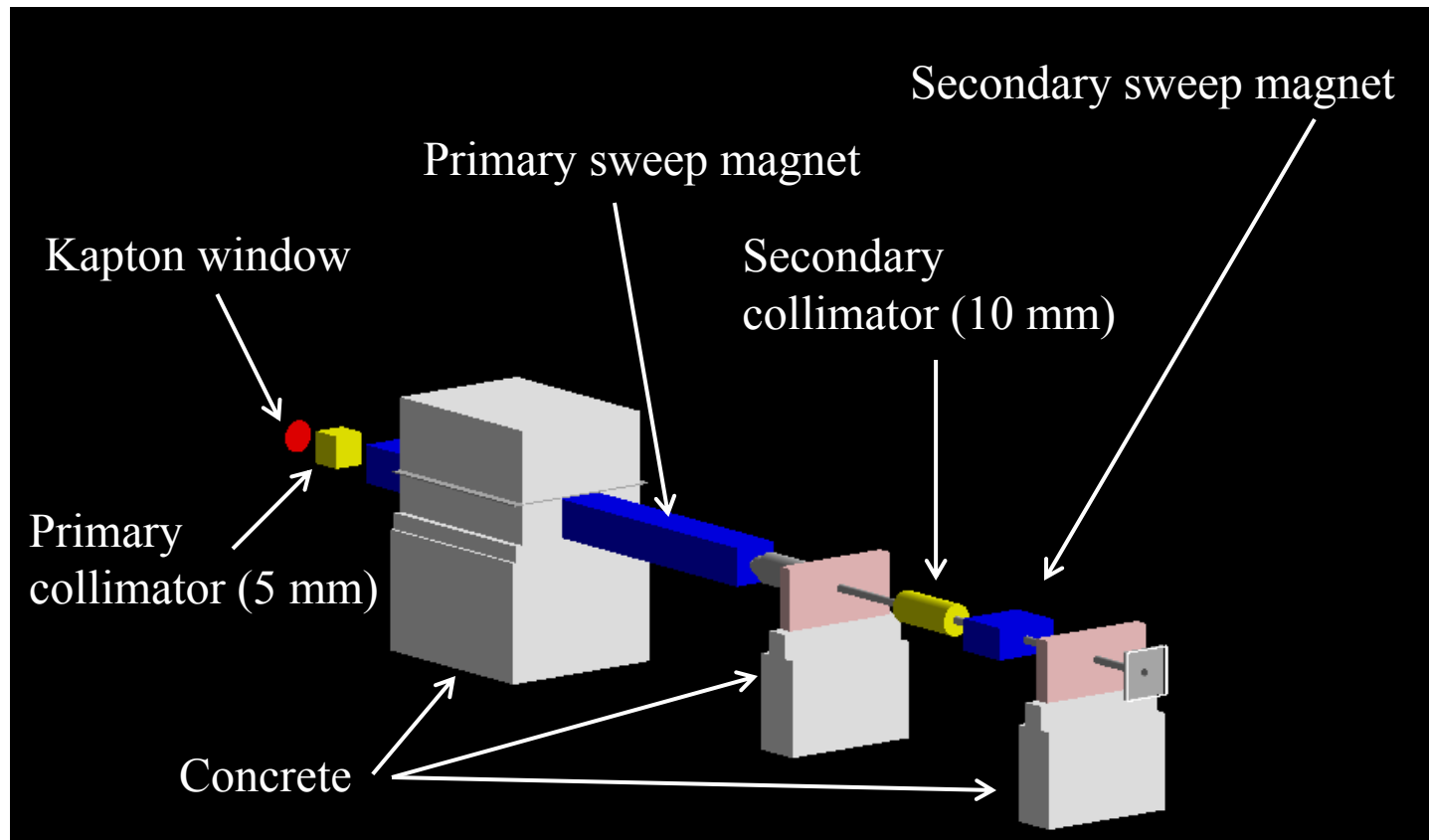
Upstream of polarimeter stand

- Secondary collimator
- Secondary sweep magnet
- Polarimeter stand

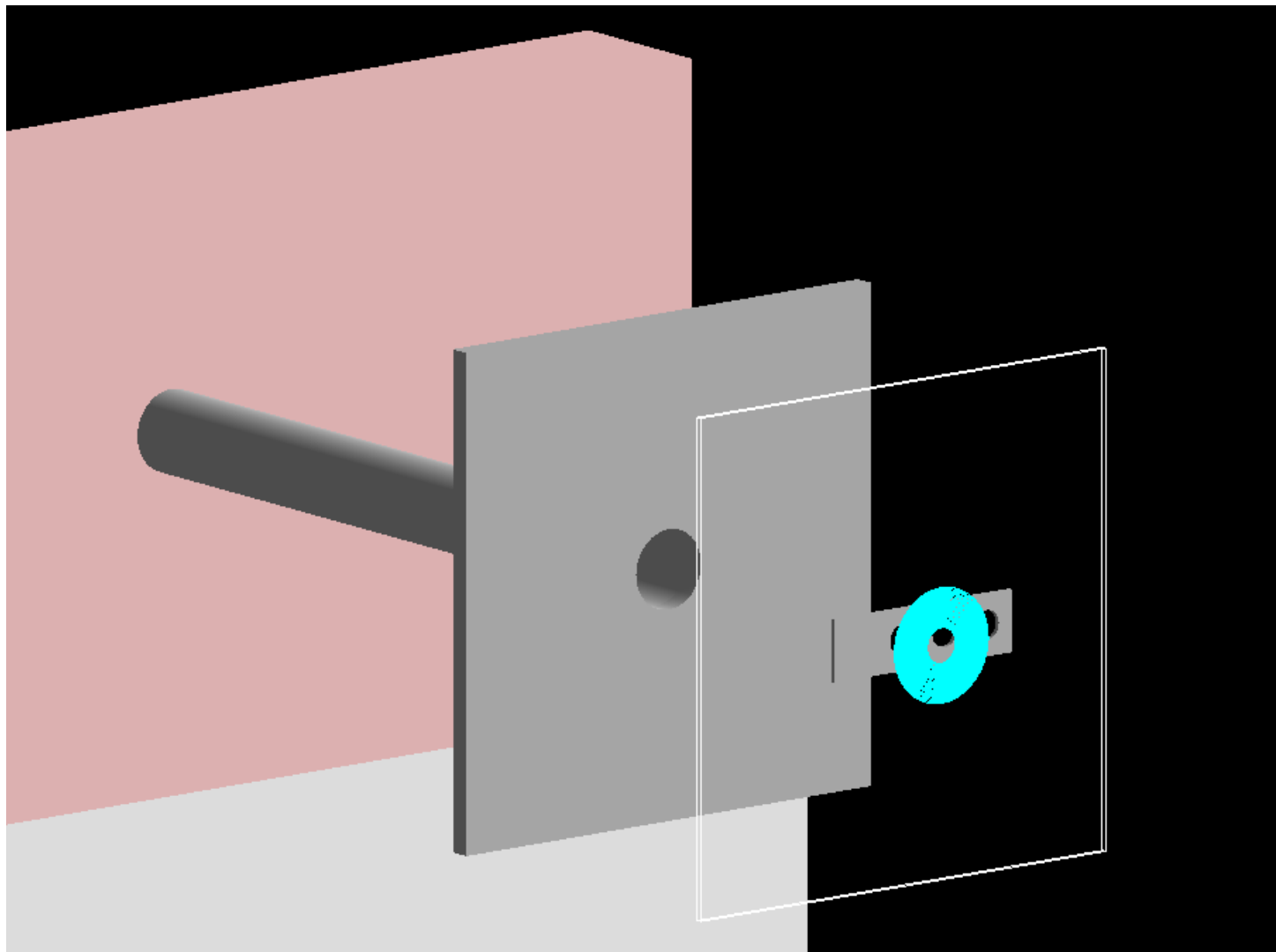


Note: Green and Pink lead-brick walls

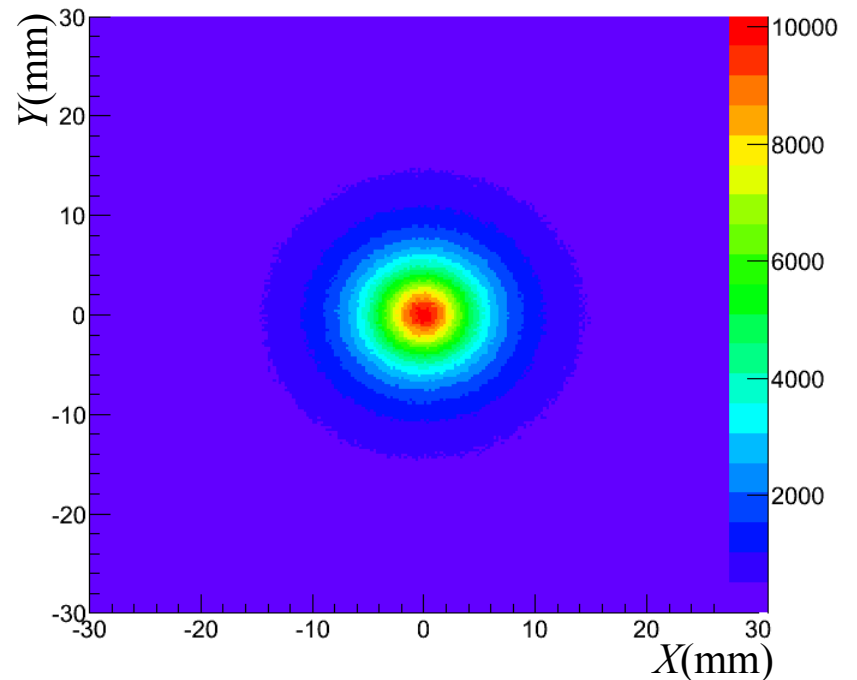
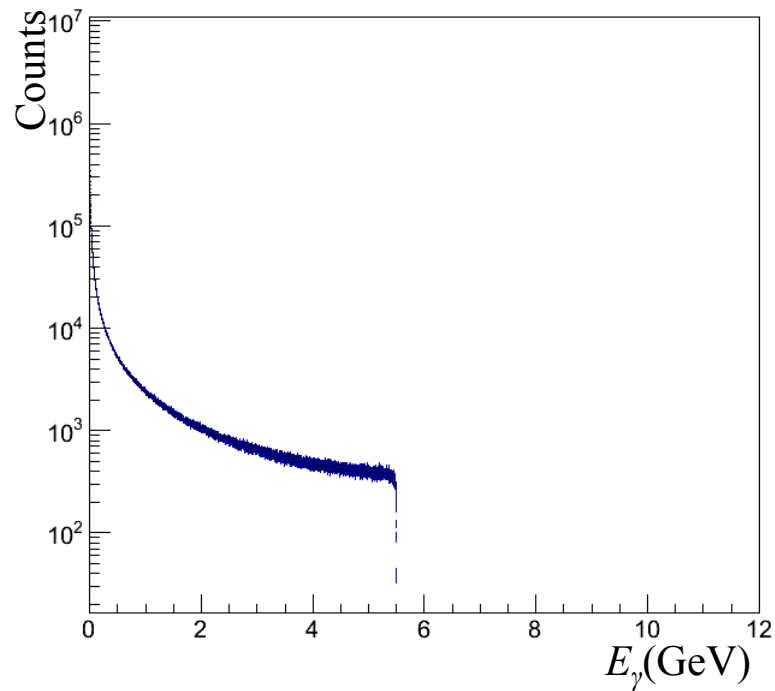
Collimator cave



With detector and converter tray



Thrown events



- Number thrown = 290 million

Results

- 5 events seen on detector
- Estimate the background on the silicon strip detector due to halo hitting the converter tray to be 40 Hz (electron beam current = 200 nA with 3×10^{-4} radiator)