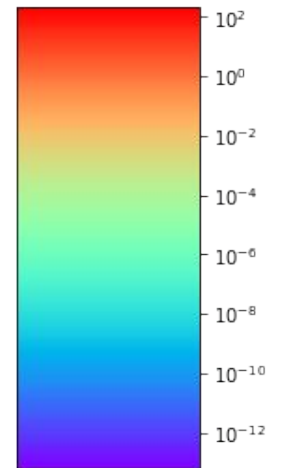
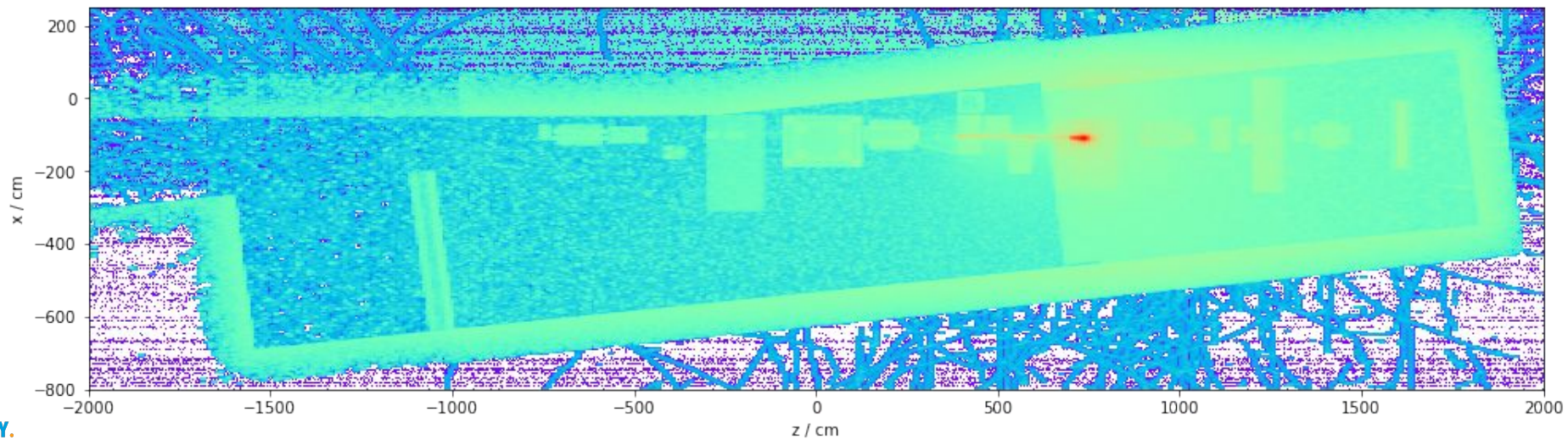
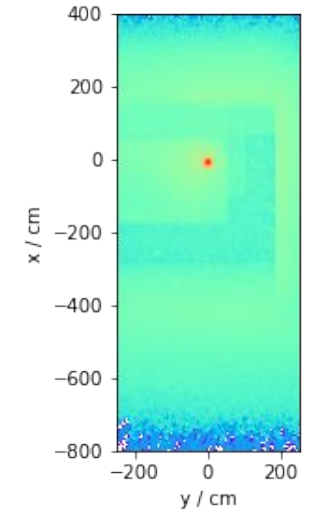
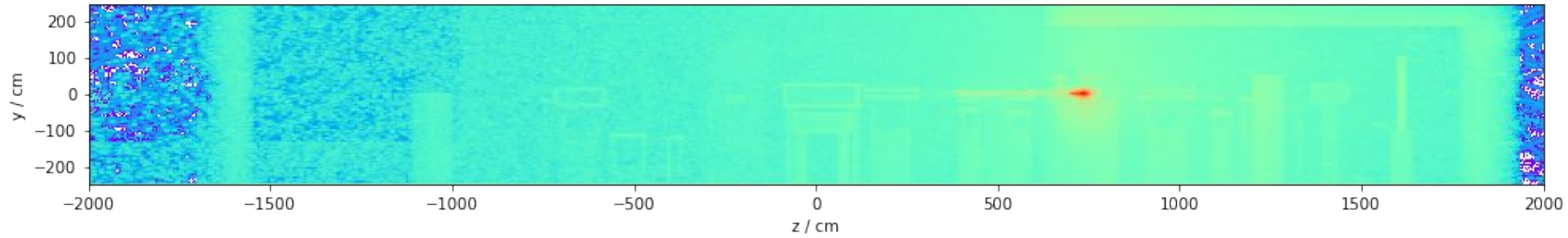


Dose Plots

Stewart's code

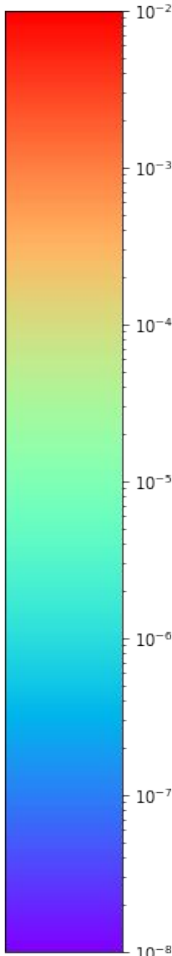
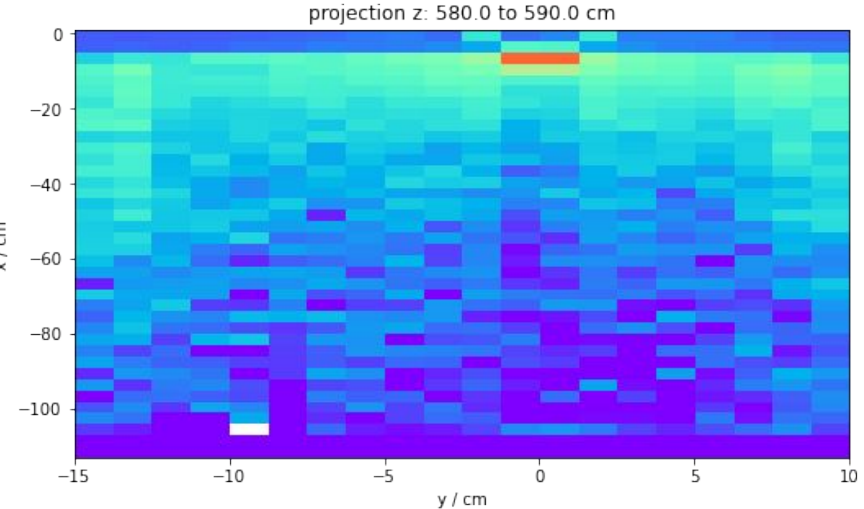
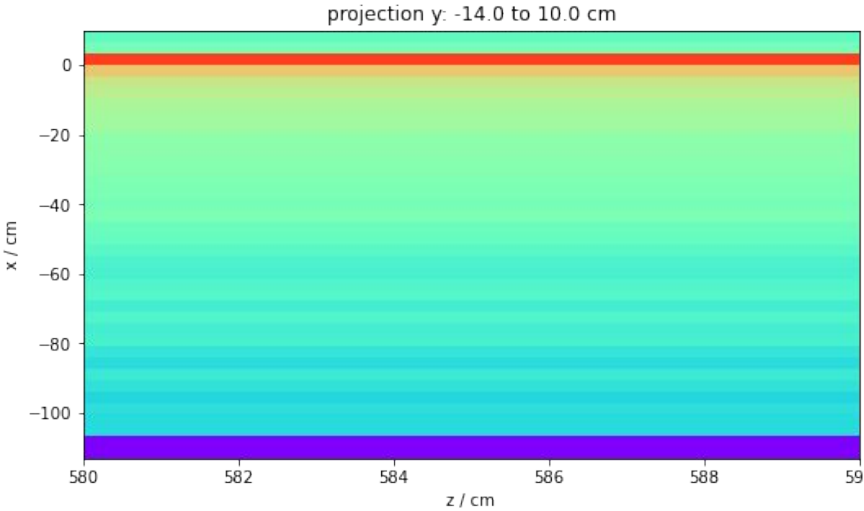
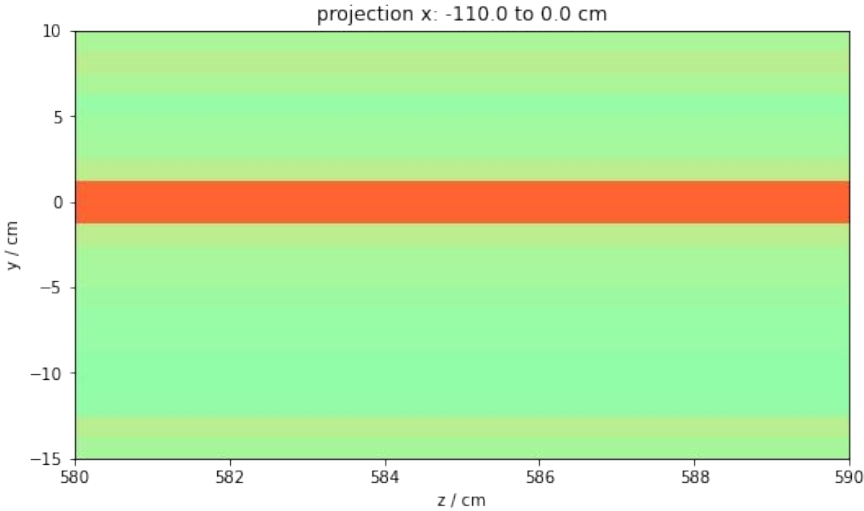
- Can now convert fluka outputs to python plots using Stewart's code and outputs
- Example: energy deposition



Dose Plots

Cherenkov detector

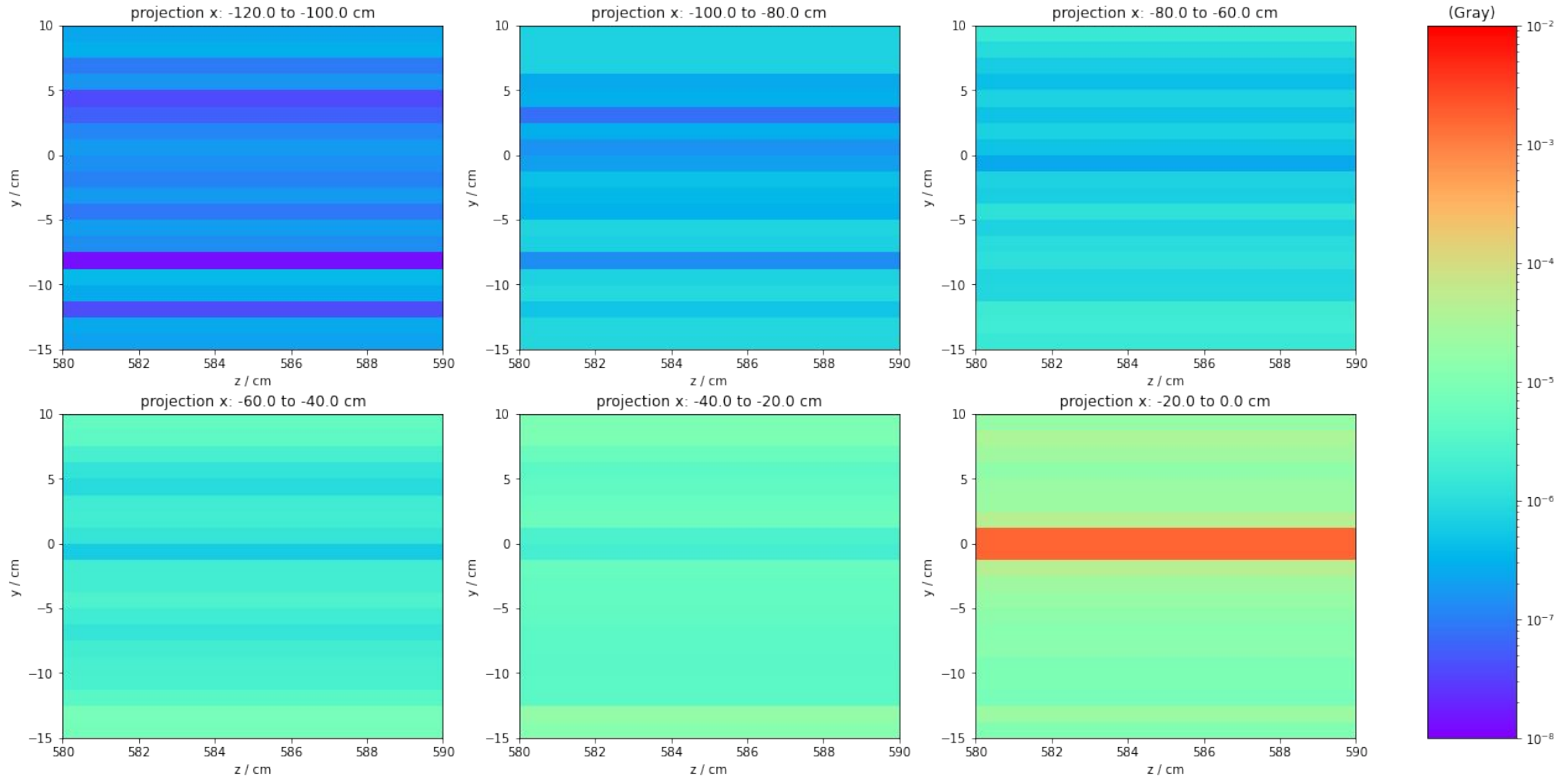
- modified this code to do project arbitrary detector regions
- Cherenkov detector:



Dose Plots

Cherenkov detector slices in y

- Can project slices in x-z plane of Cherenkov detector
- limitations:
 - energy deposition is stored as a (400x400x400) “usr_bnn” histogram
 - Cherenkov detector = 1 z bin



Dose Plots

Cherenkov detector slices

- Potential for further study:
 - could make a “usr_bnx” for Cherenkov detector,
→ study fluence
(would have to re-run fluka)
 - some room for plotting improvement, detector geo not shown and plot coloring lacks some nuance
 - more plot requests?