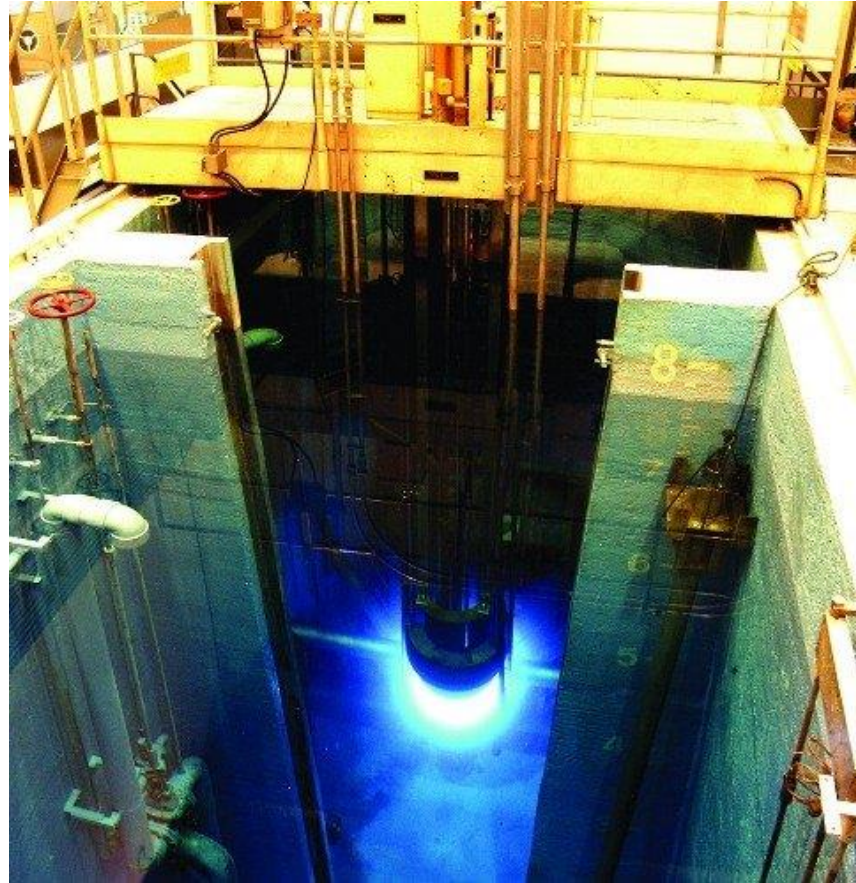


Thai TRIGA research reactor (TRR1)

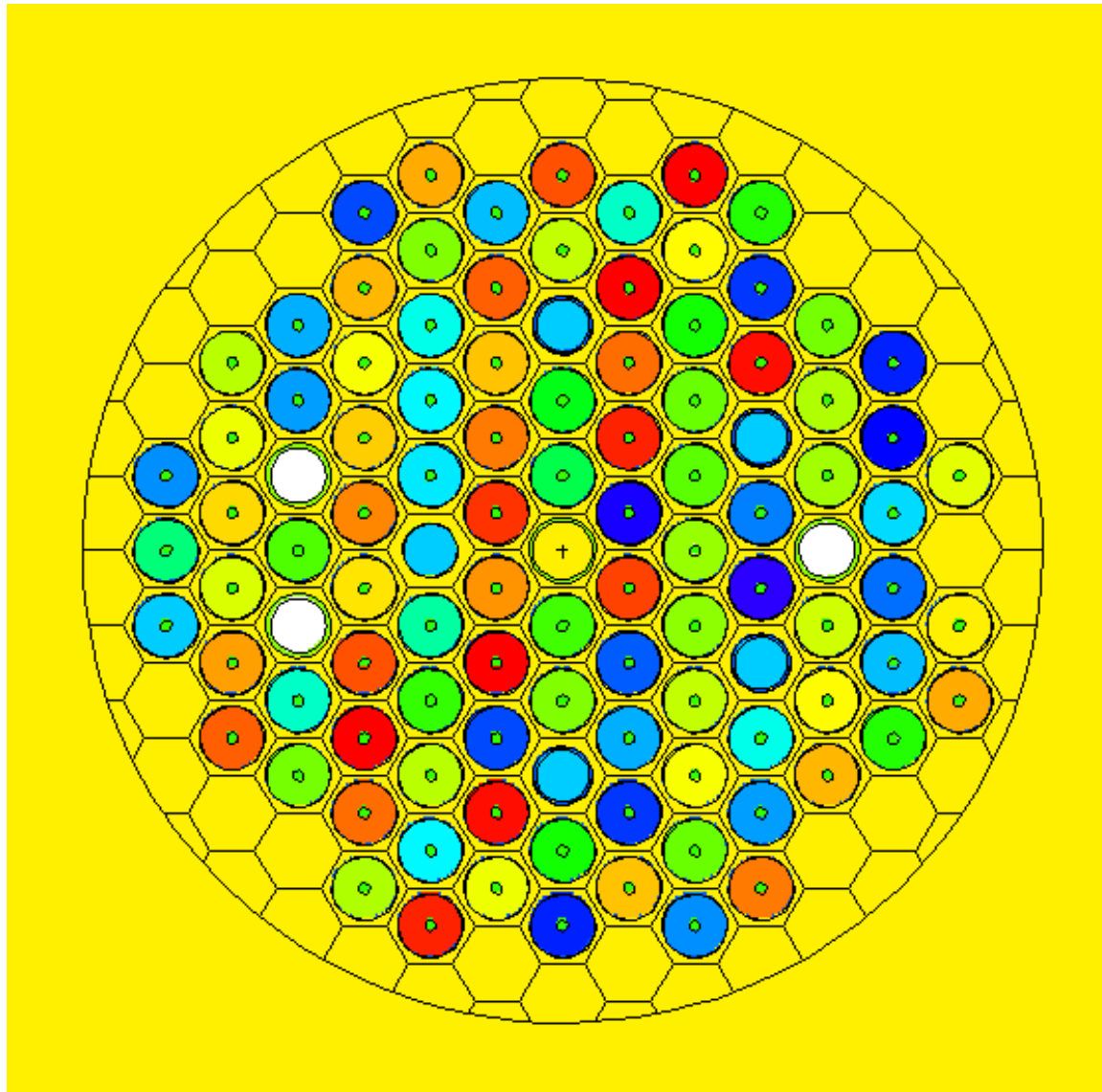


Phiphat Phruksarojanakun

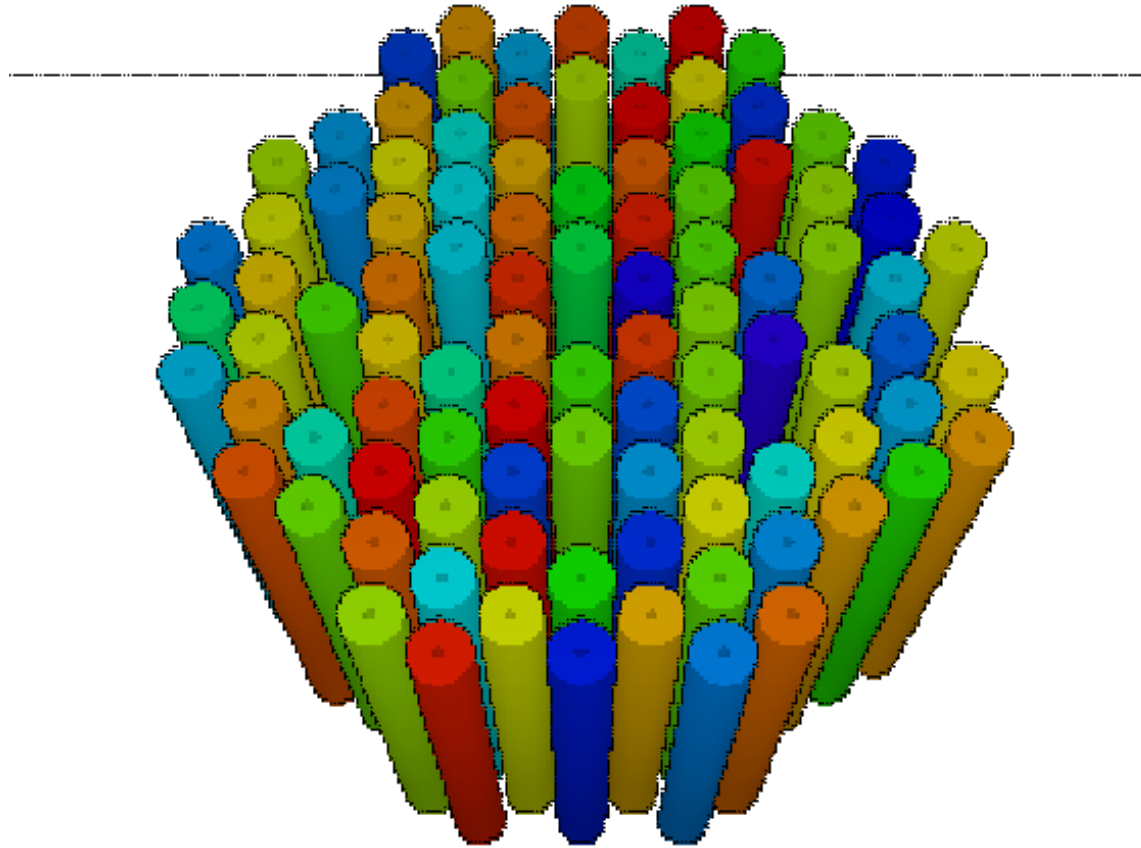
phruksar@oaep.go.th

IAEA

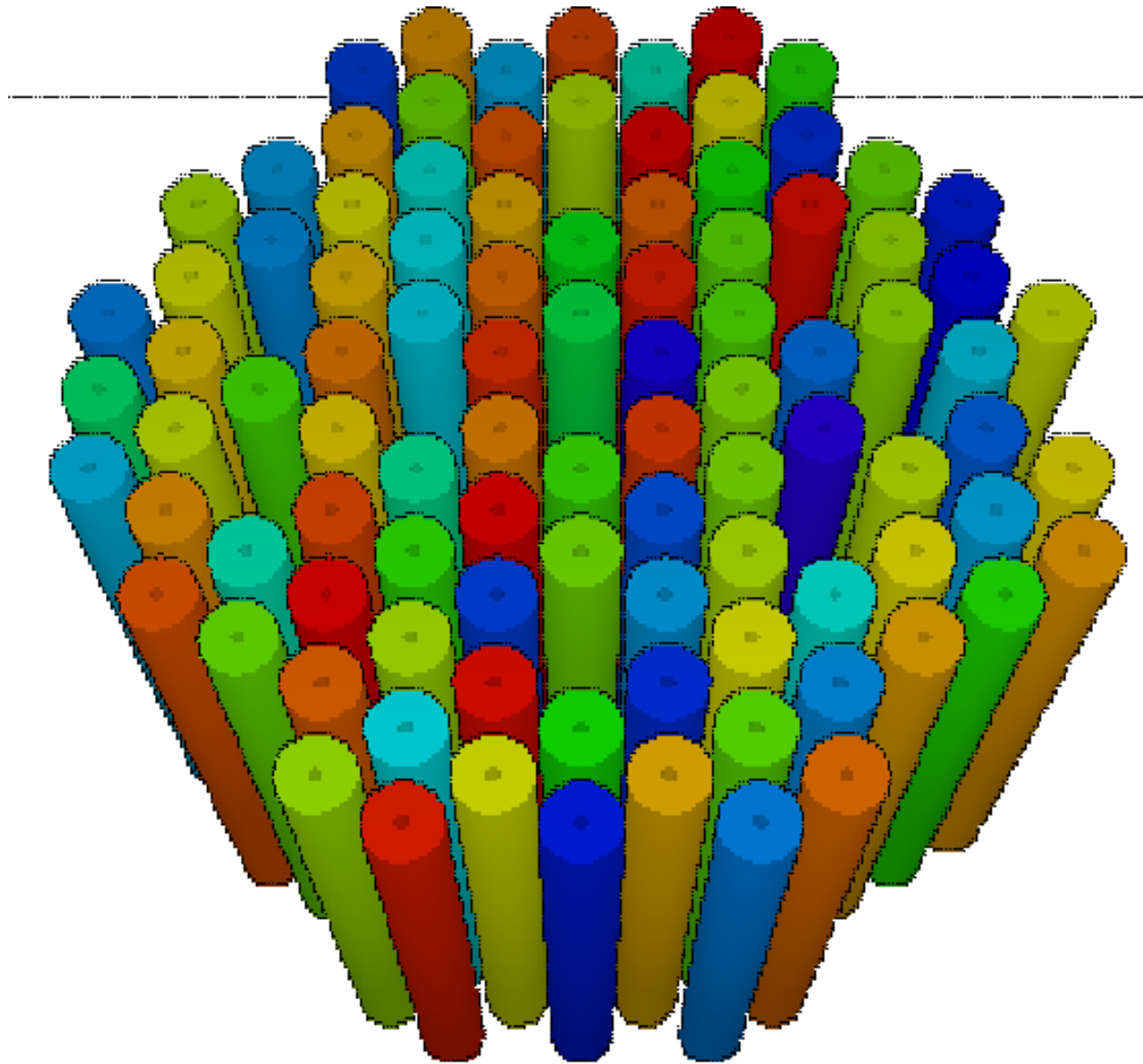
Visual Editor Color plot of the fuel pins



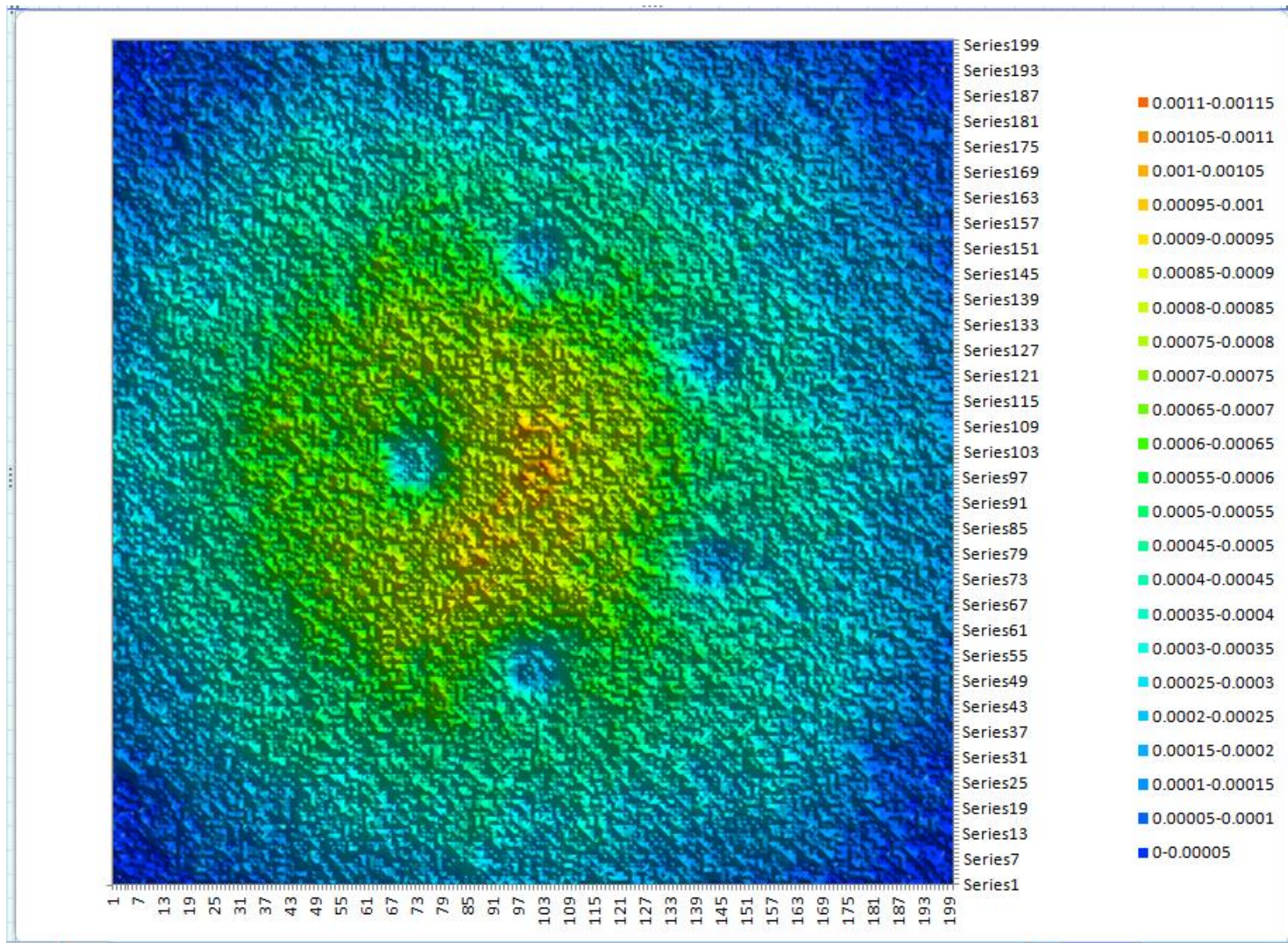
Visual Editor 3D Color plot of the fuel pins



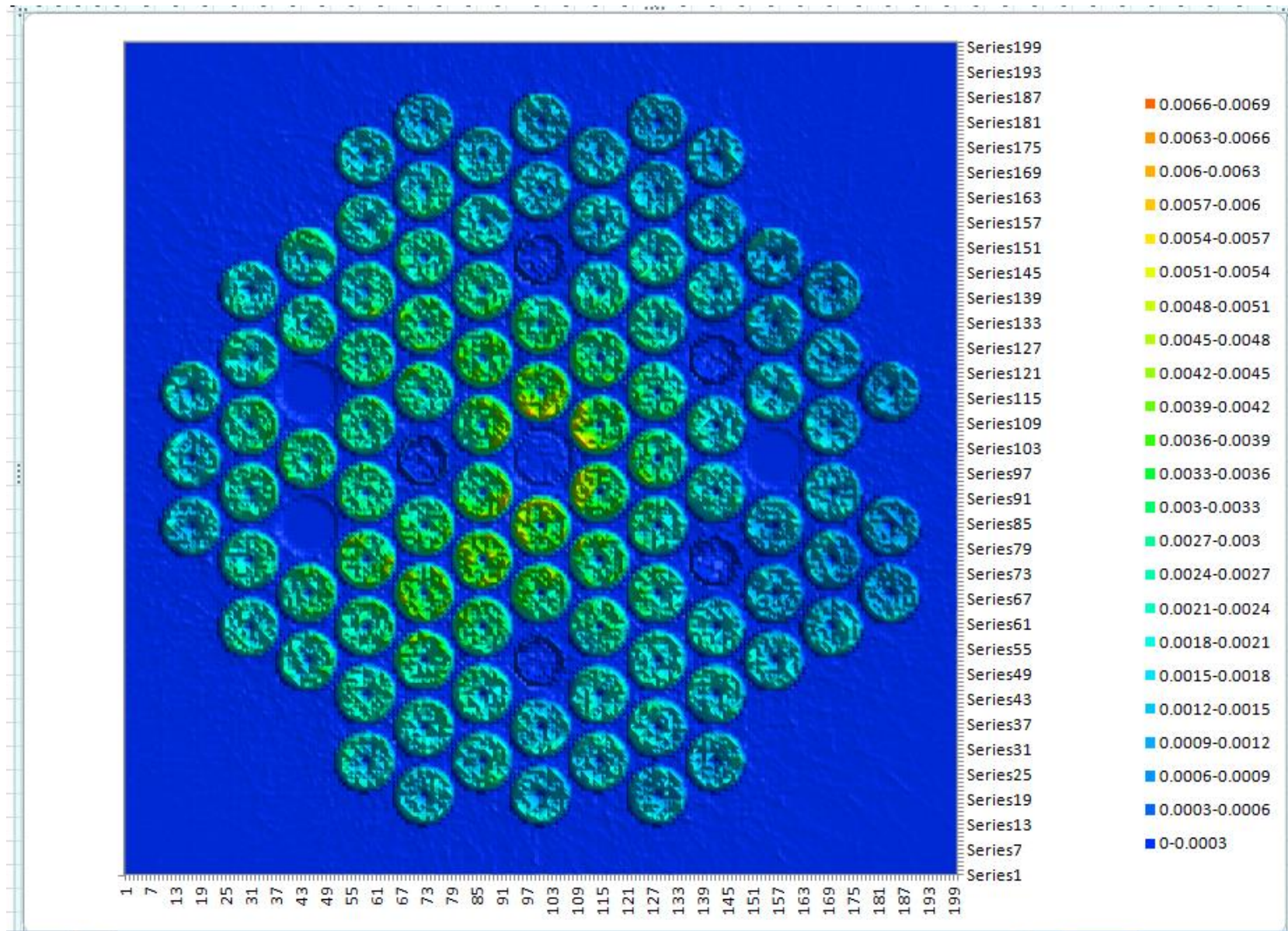
Visual Editor 3D Color plot of the fuel pins



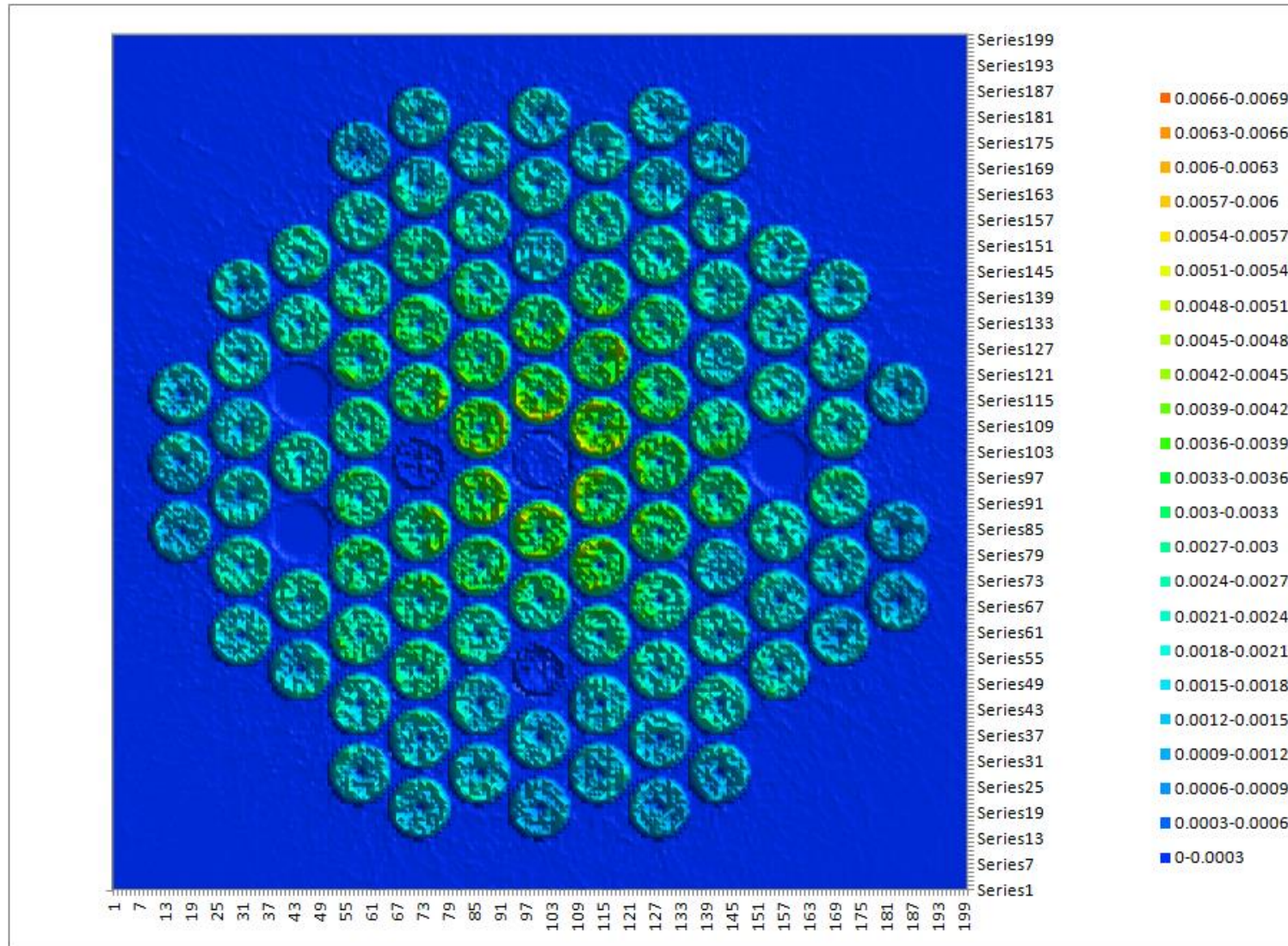
MCNP Flux mesh tally imported and plotted in Excel



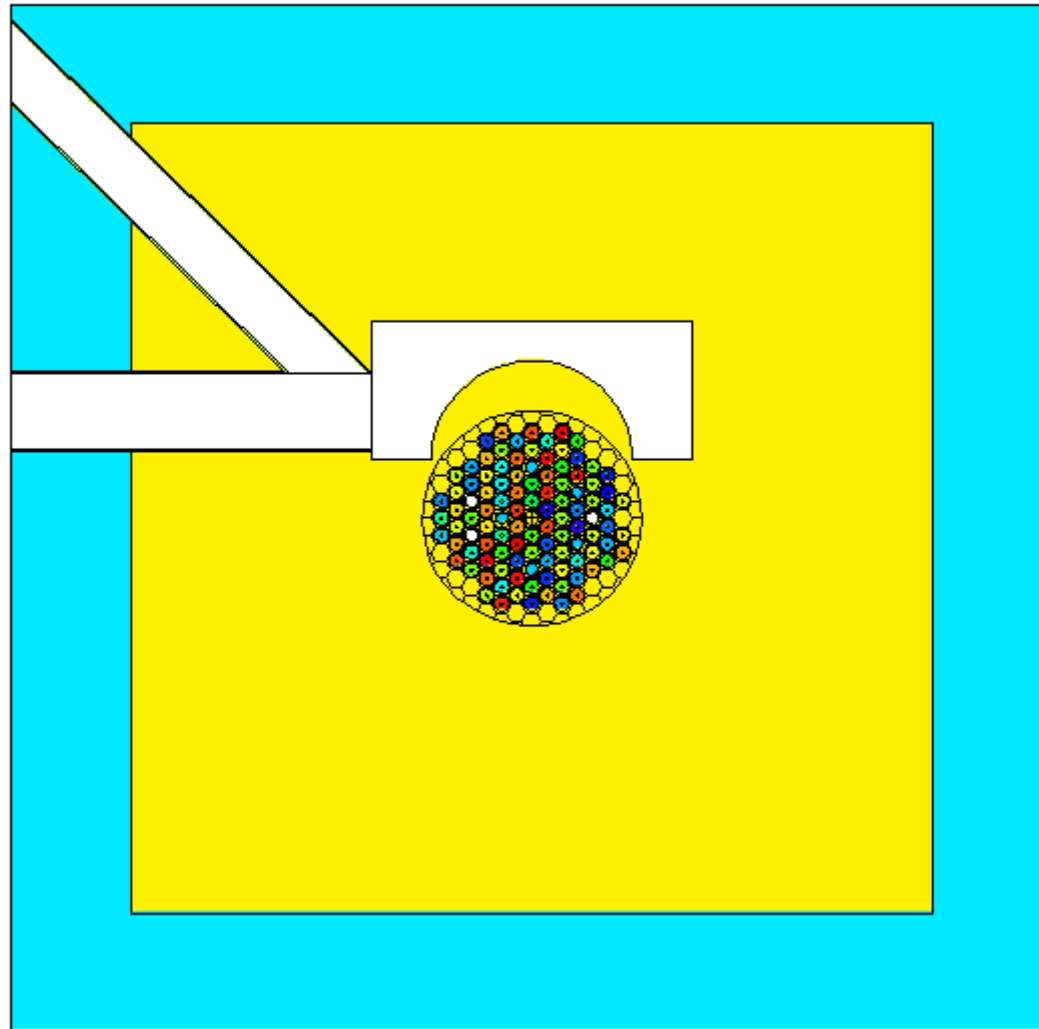
MCNP Heating mesh tally imported and plotted in Excel



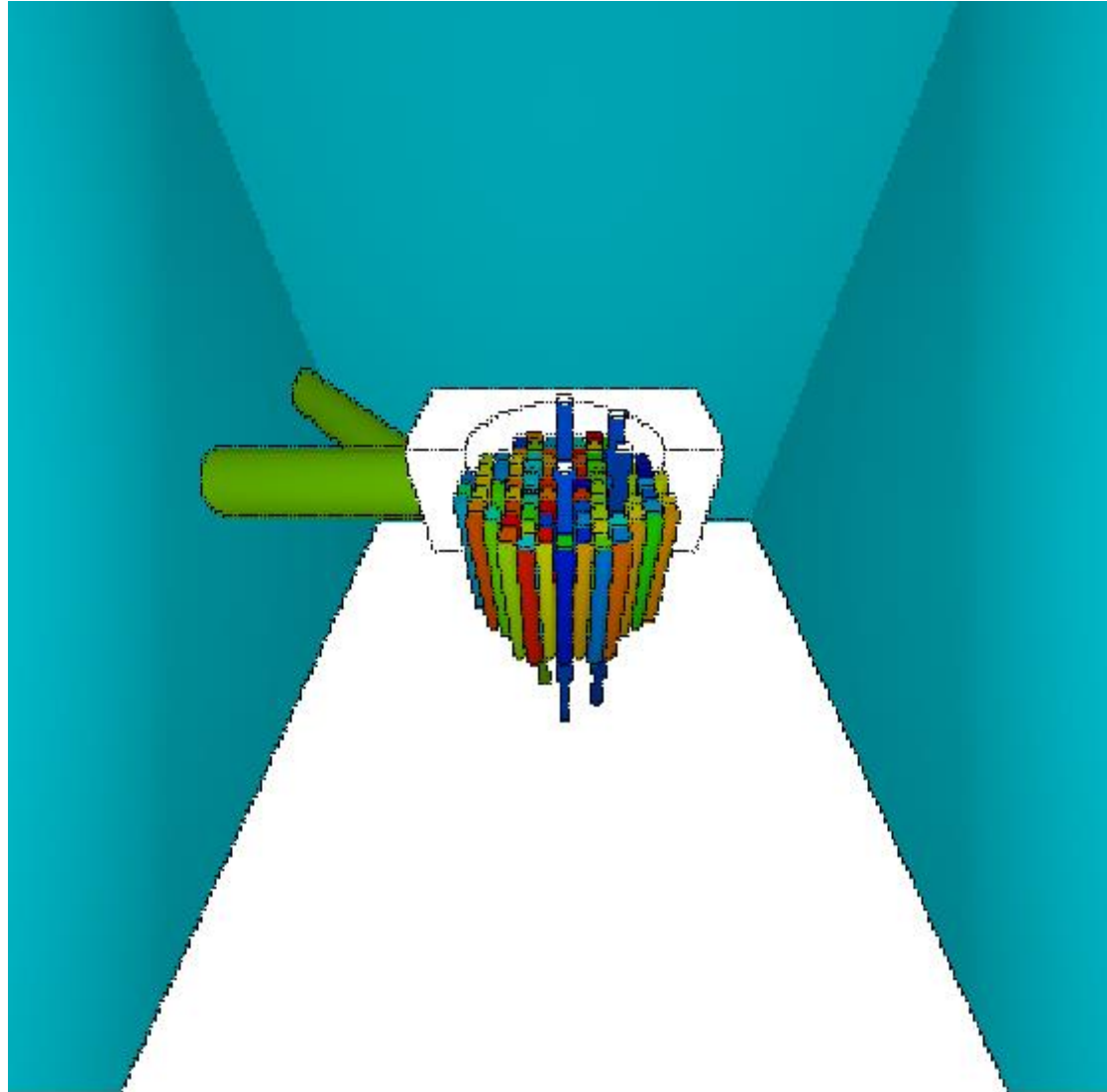
MCNP Heating mesh tally with control rods pulled 20 cm imported and plotted in Excel



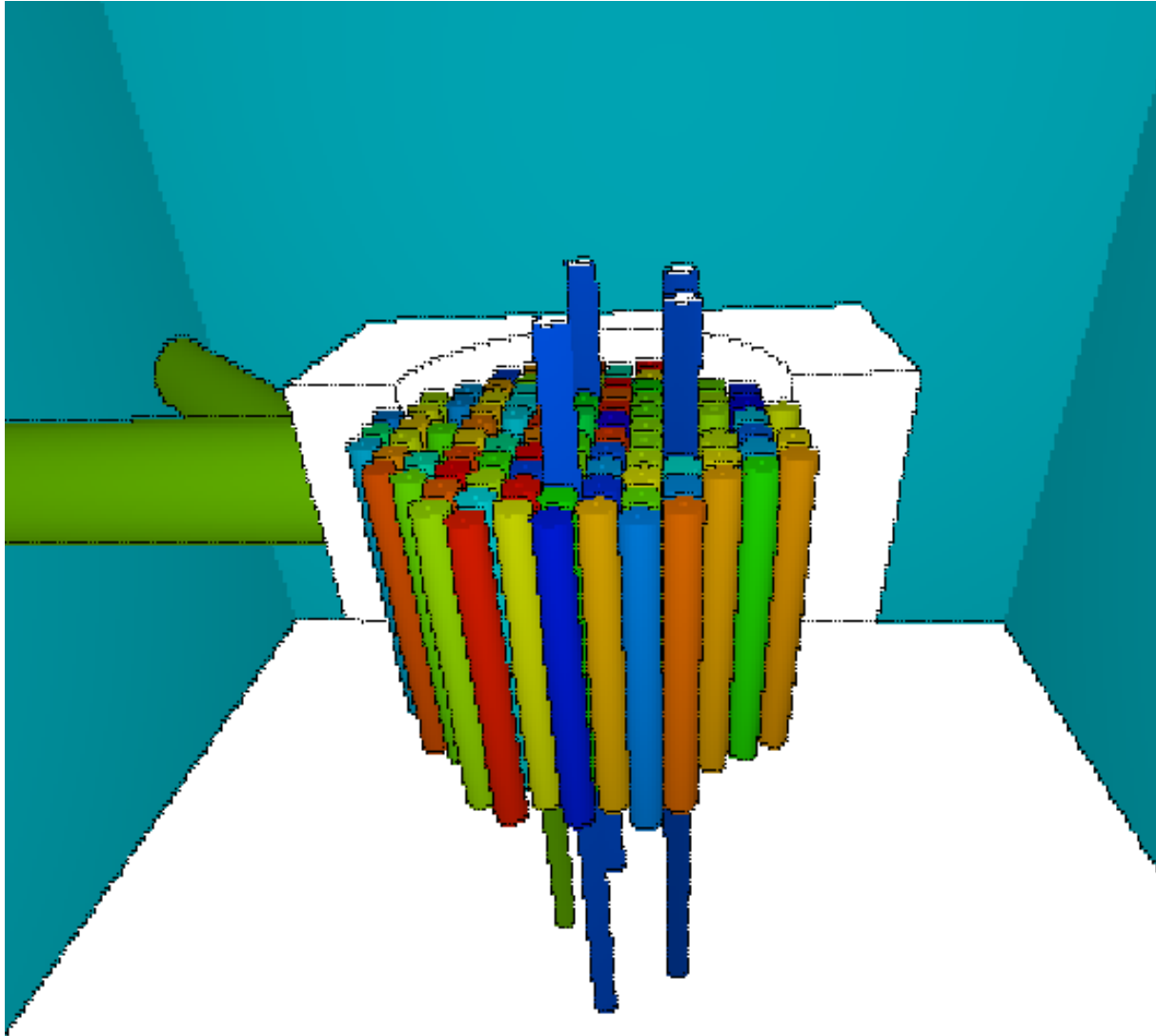
Visual Editor plot of the beam ports for the reactor.



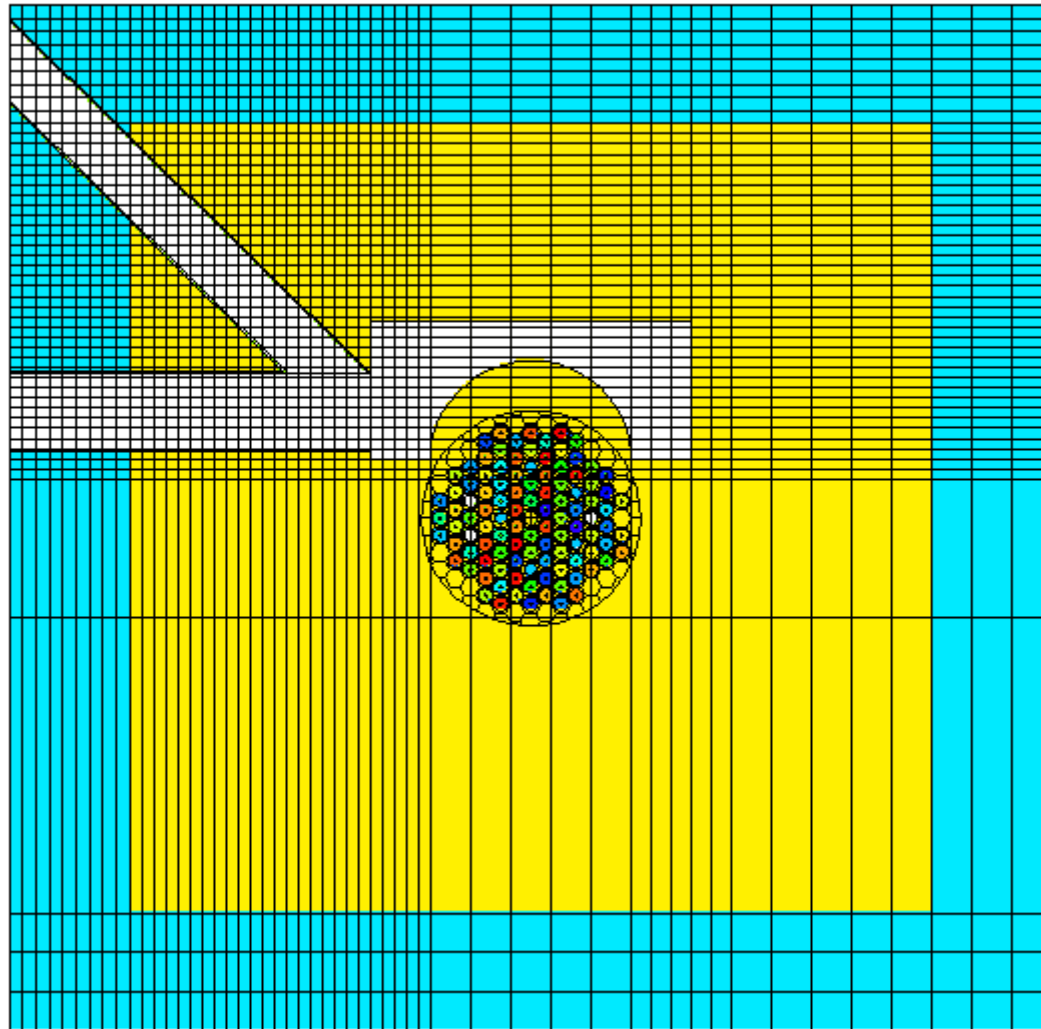
3D View of the reactor showing control rods and beam tube.



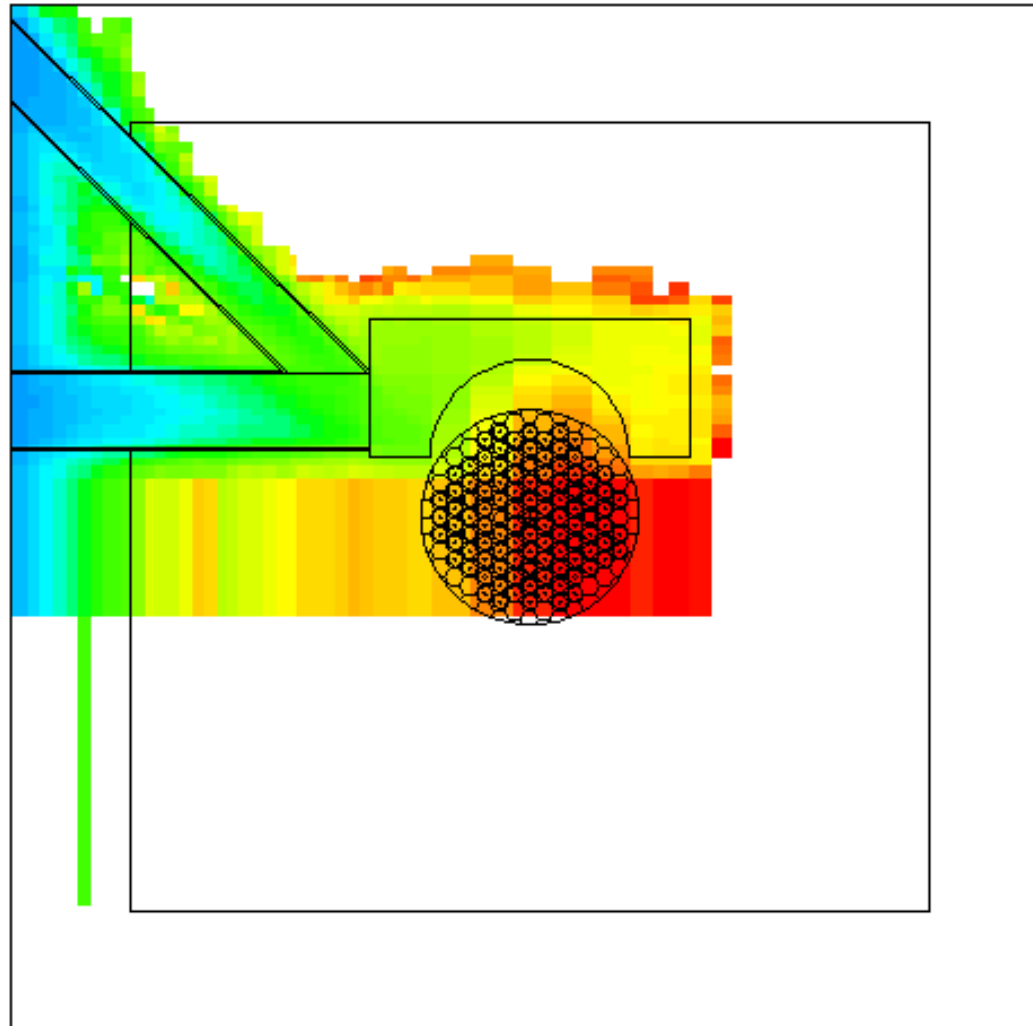
3D View of the reactor showing control rods and beam tube.



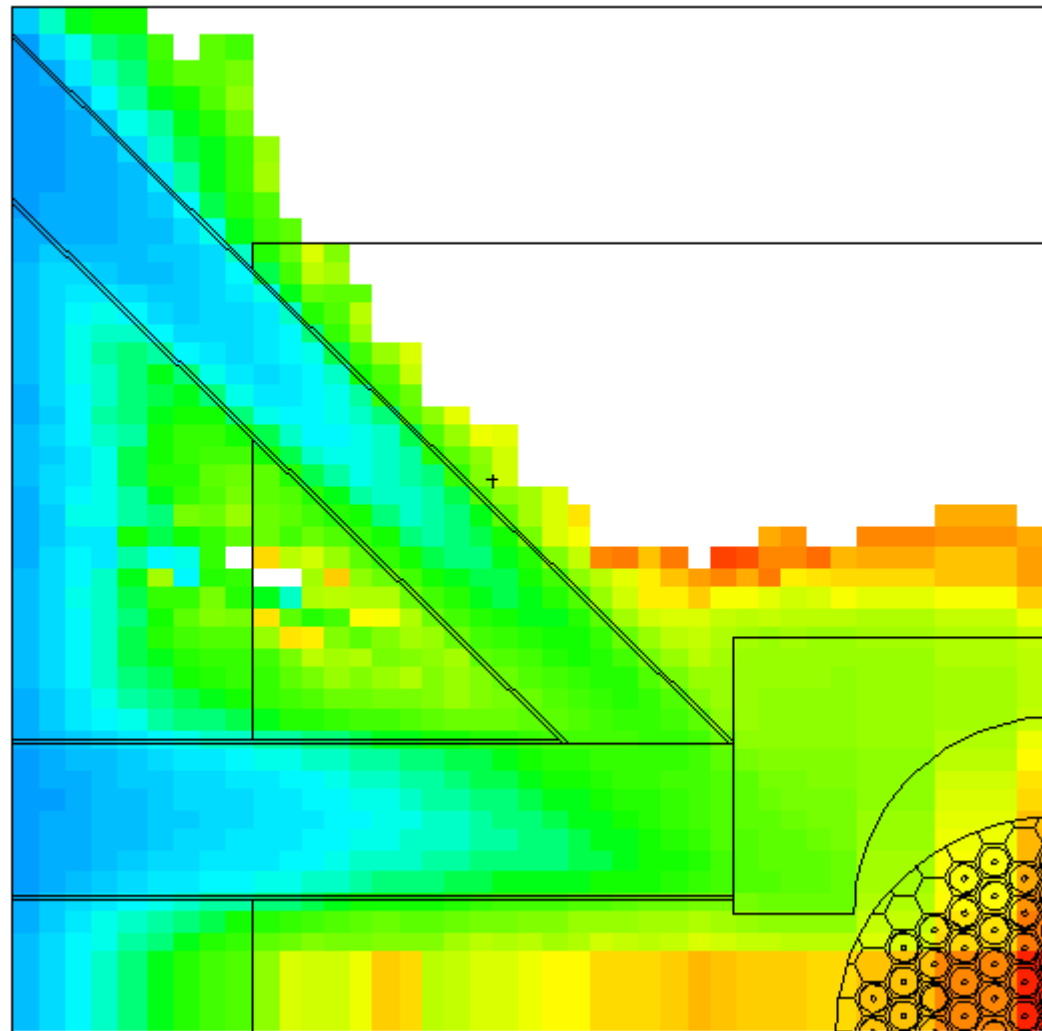
Weight Window mesh added to bias particles down the beam ports.



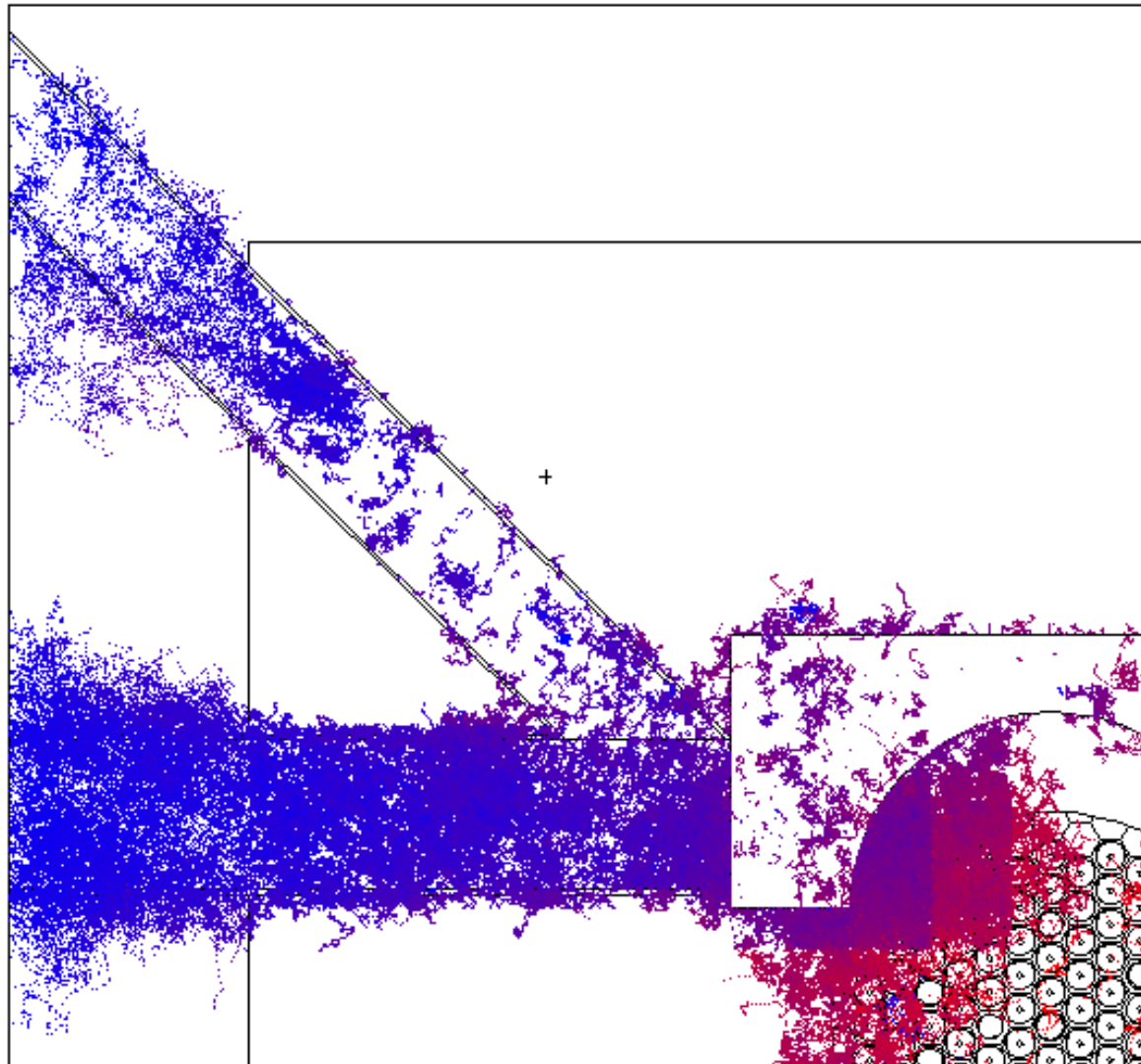
Calculated weight window values plotted in the Visual Editor



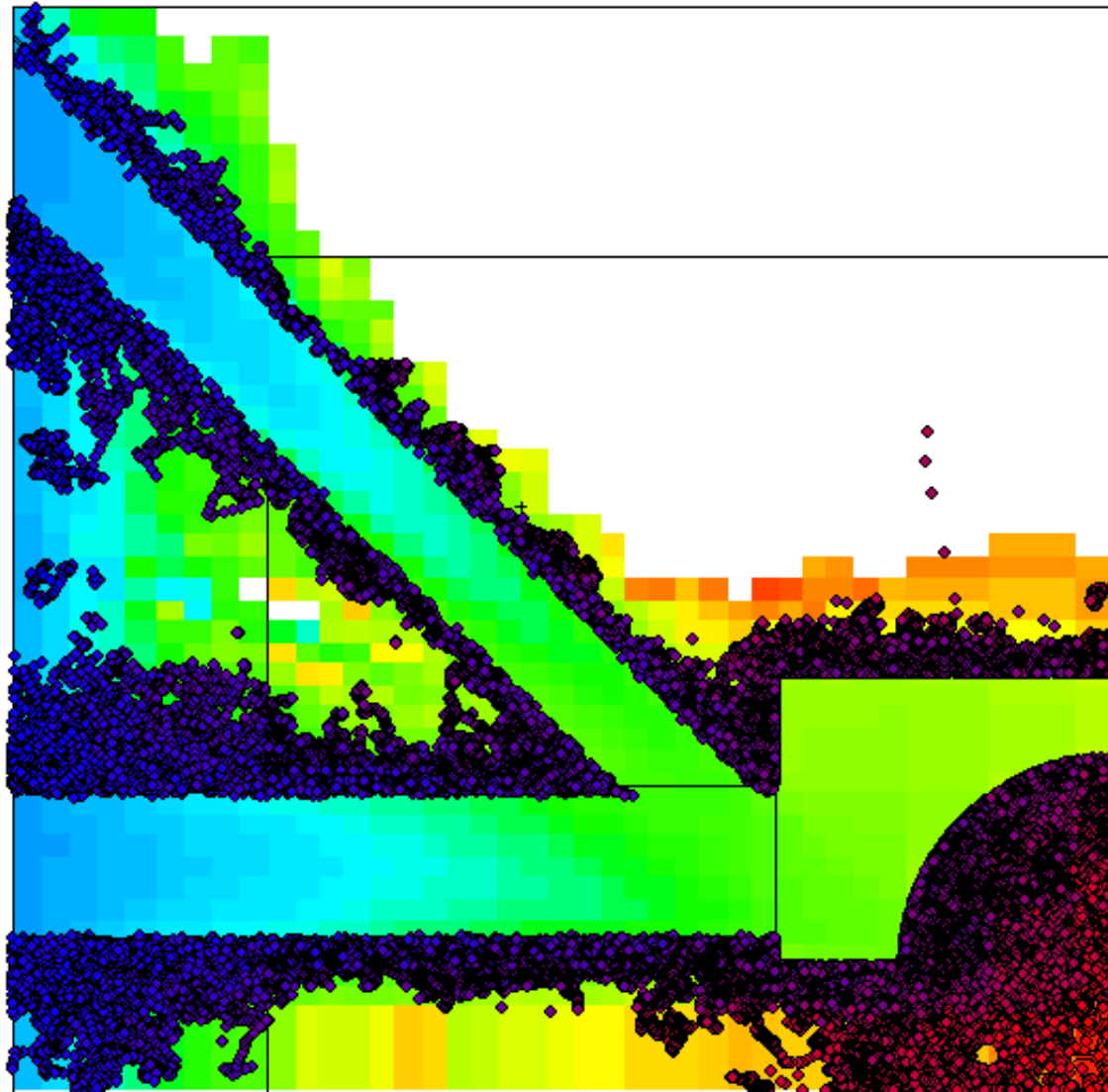
Calculated weight window values plotted in the Visual Editor



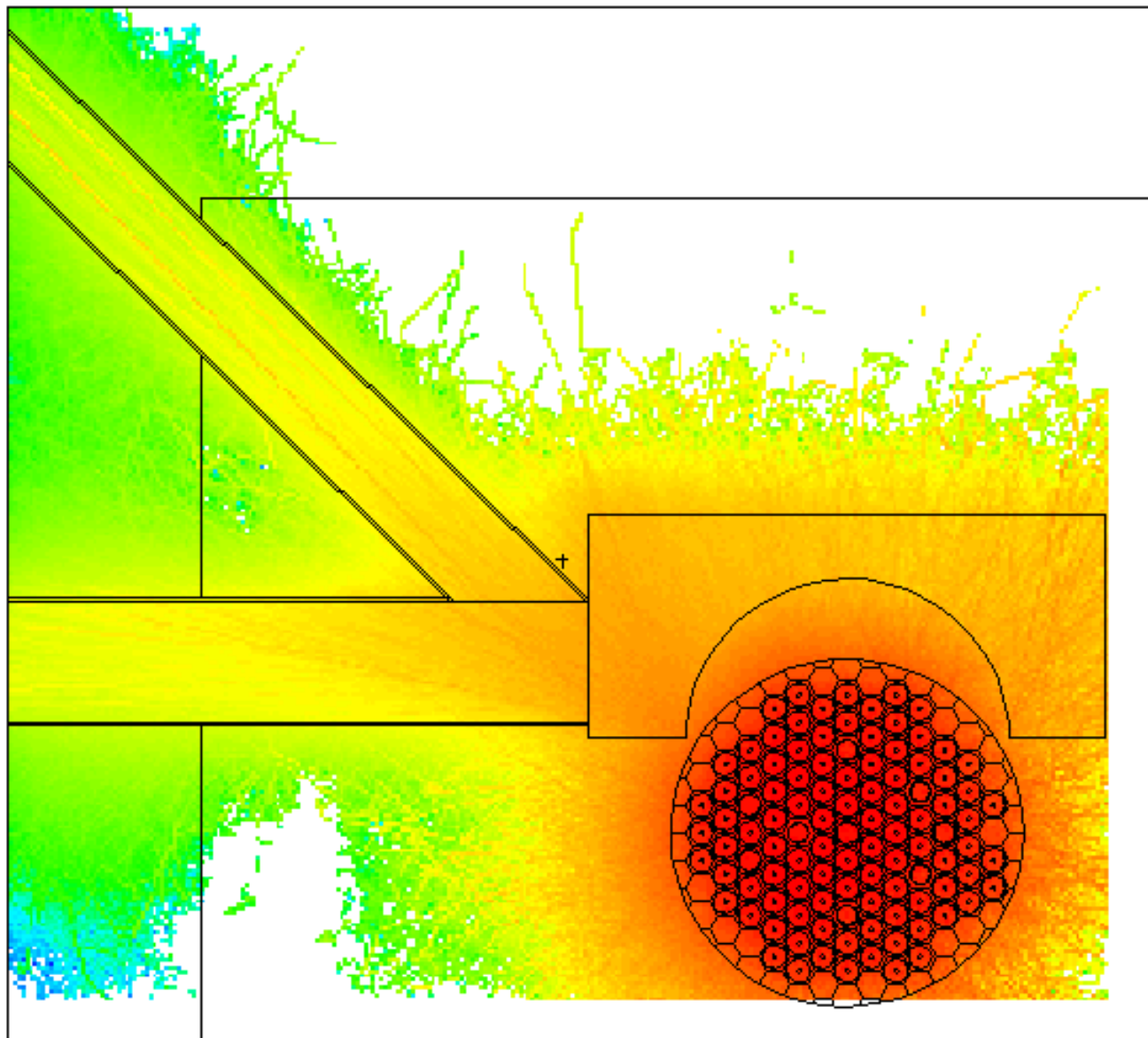
Collisions that contribute to the tally colored by weight



Collisions plotted on top of the weight window mesh, colored by particle weight, limited to the radius of the beam tubes.

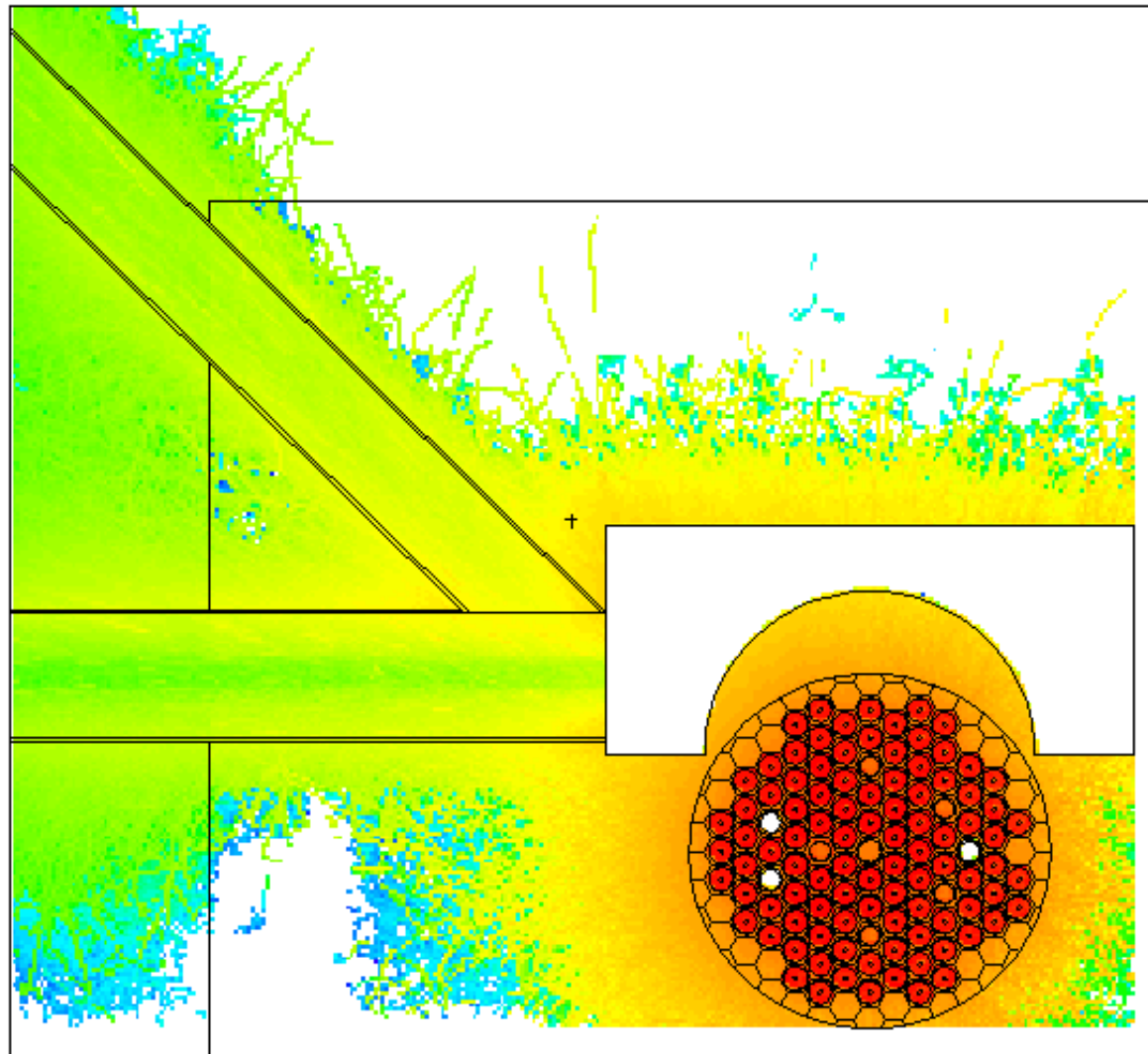


Flux Mesh Tally Plot

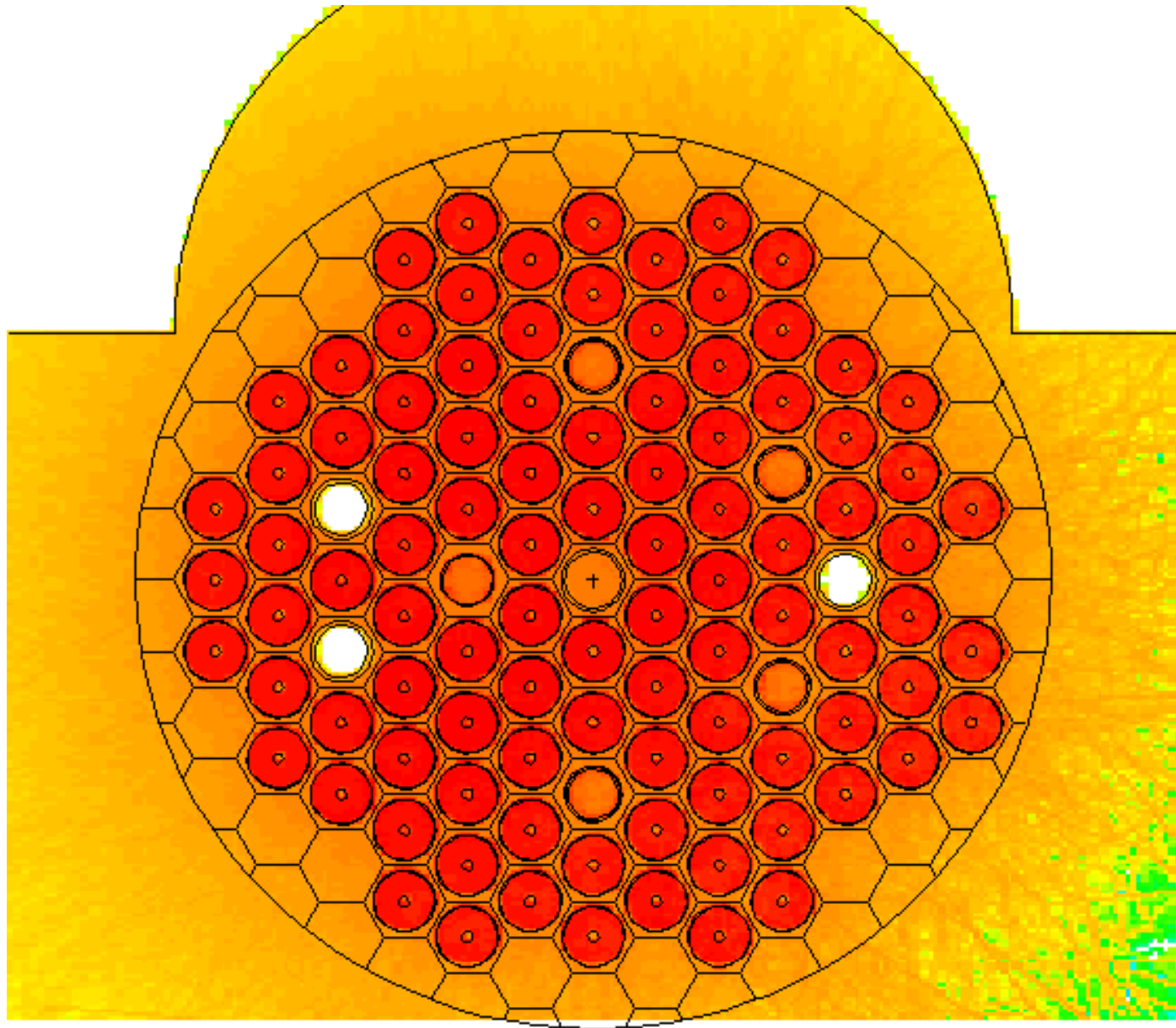


Energy Deposition Mesh Tally Plot

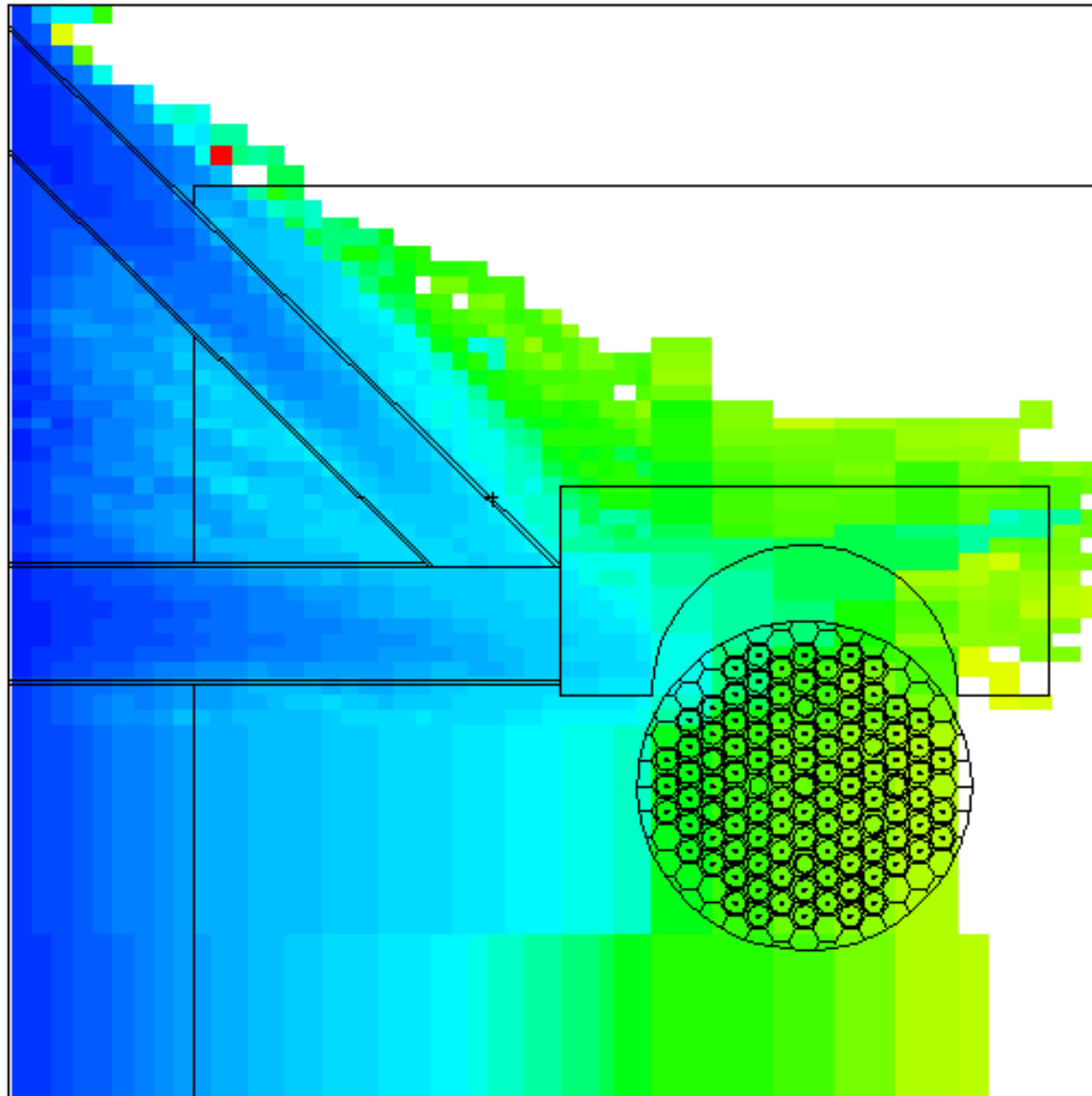
Flux Mesh Tally Plot



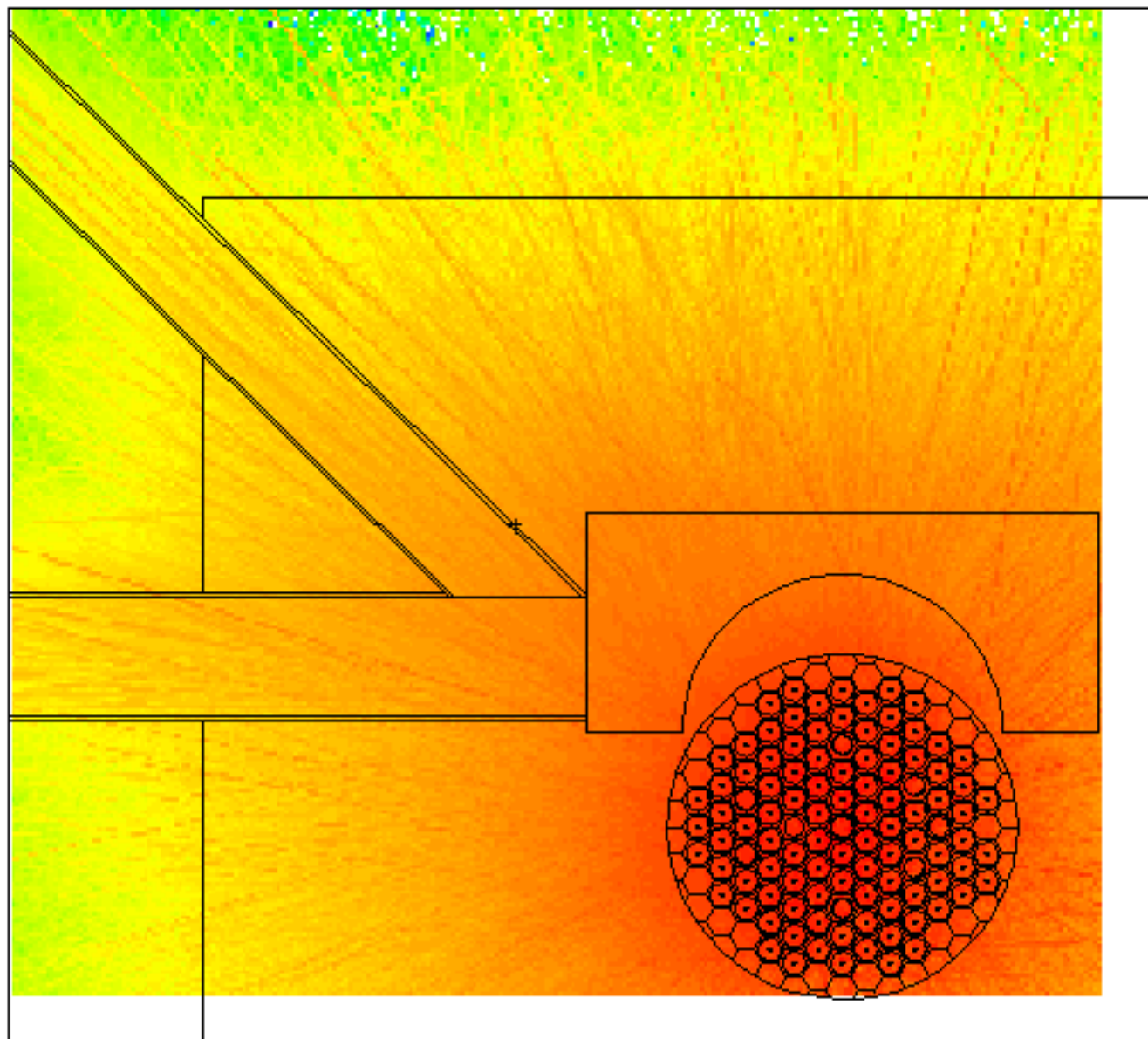
Energy Deposition Mesh Tally Plot in the Core



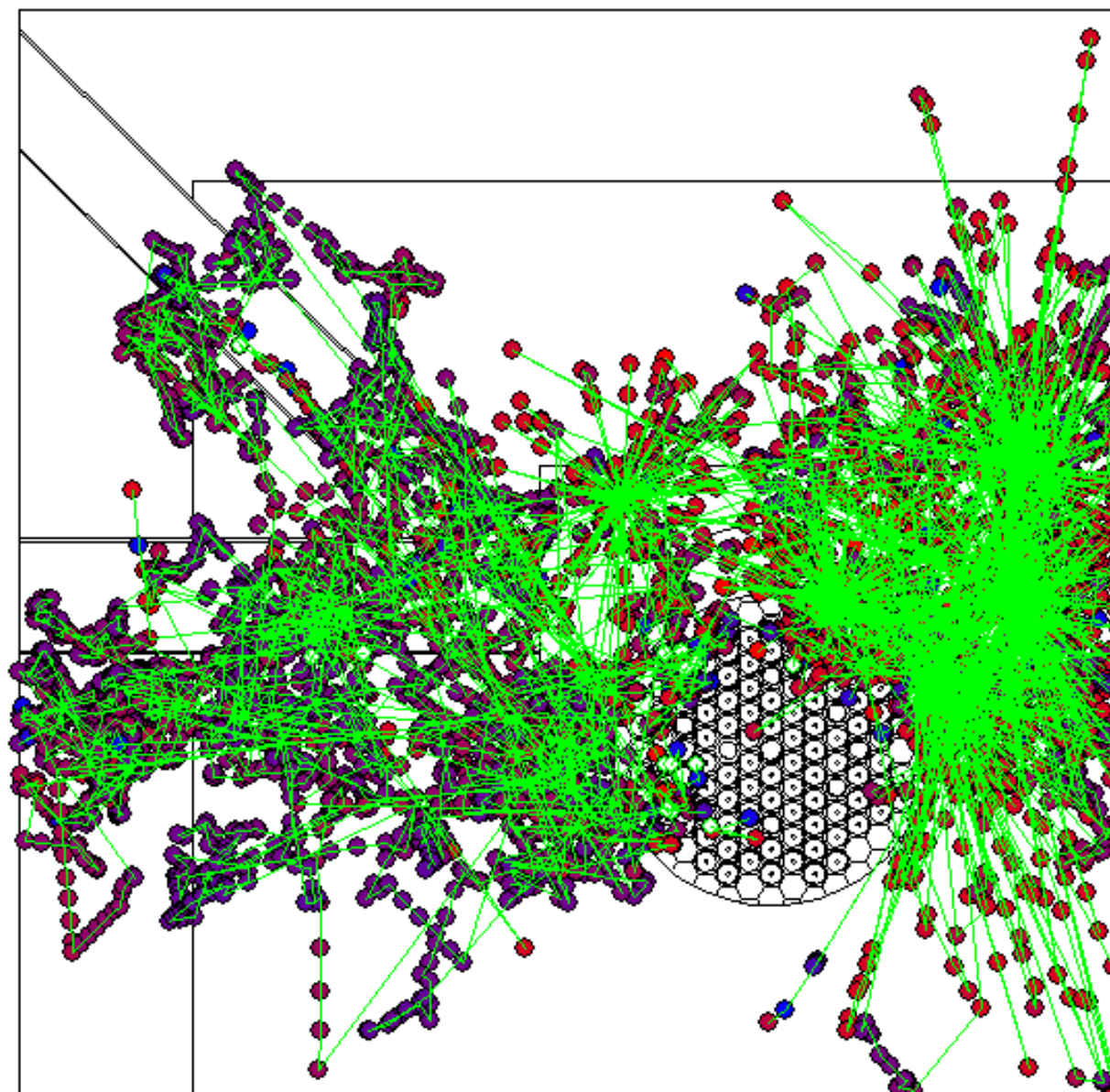
Photon Weight Window Mesh



Photon Flux Mesh Tally

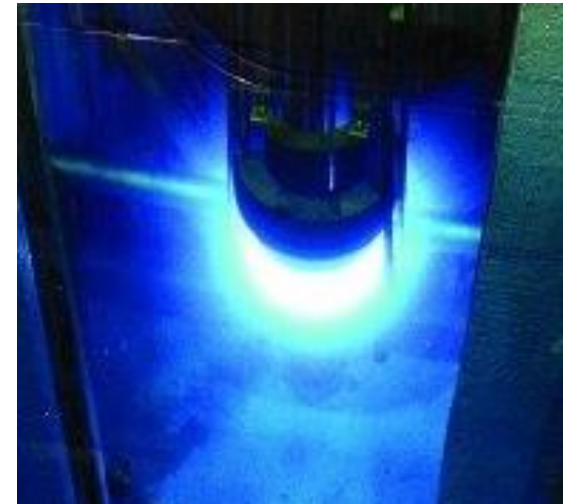
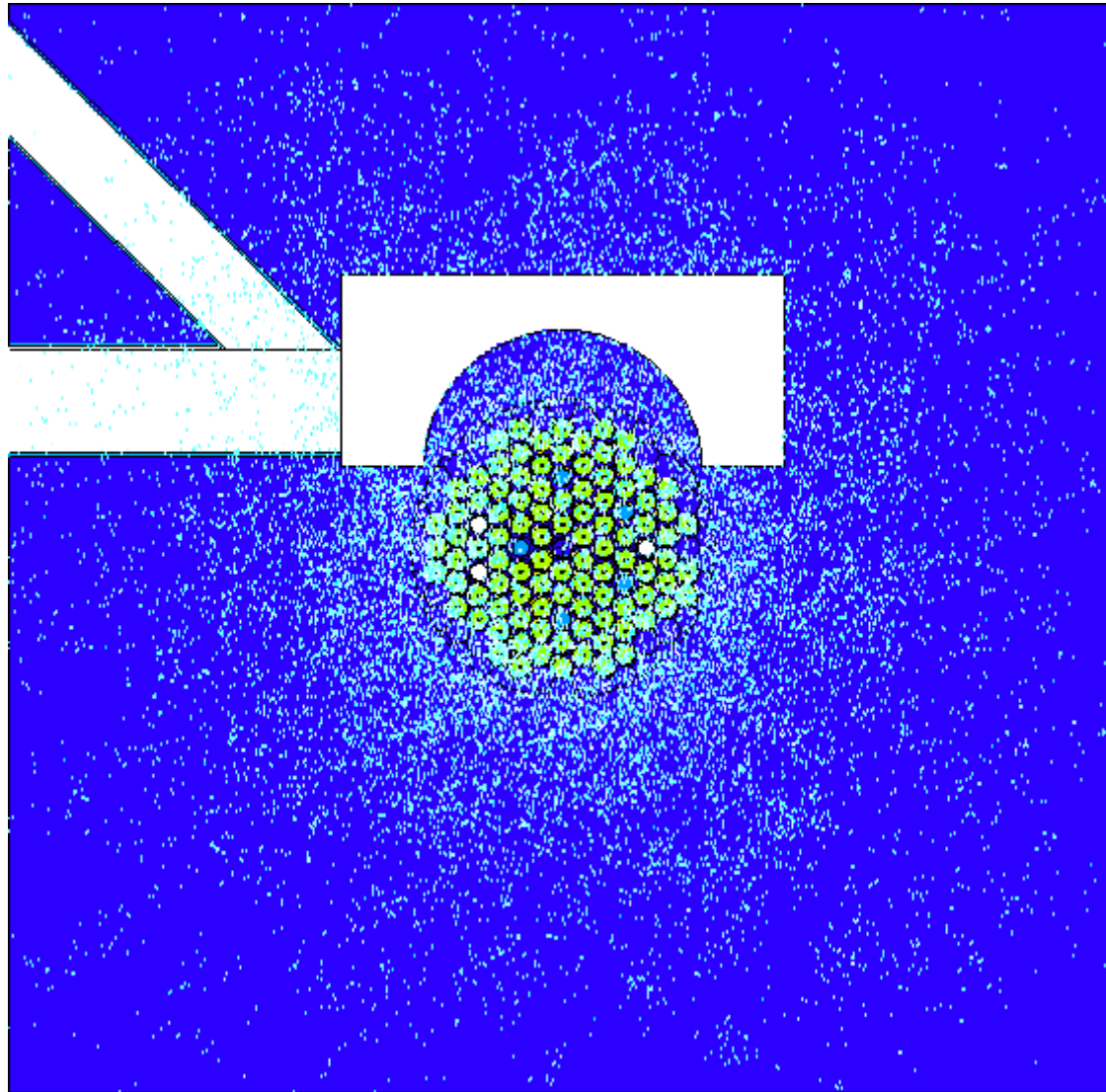


Biased Photon Tracks



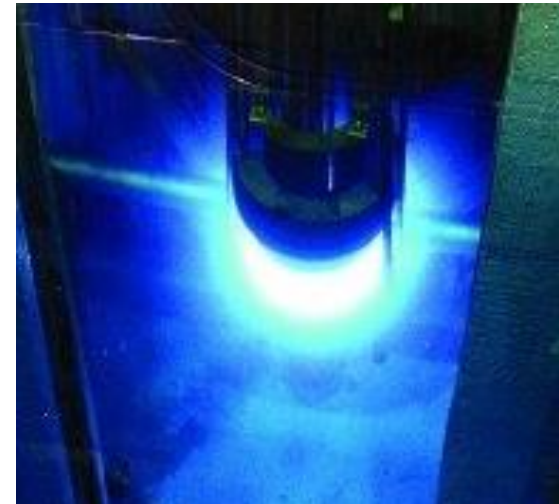
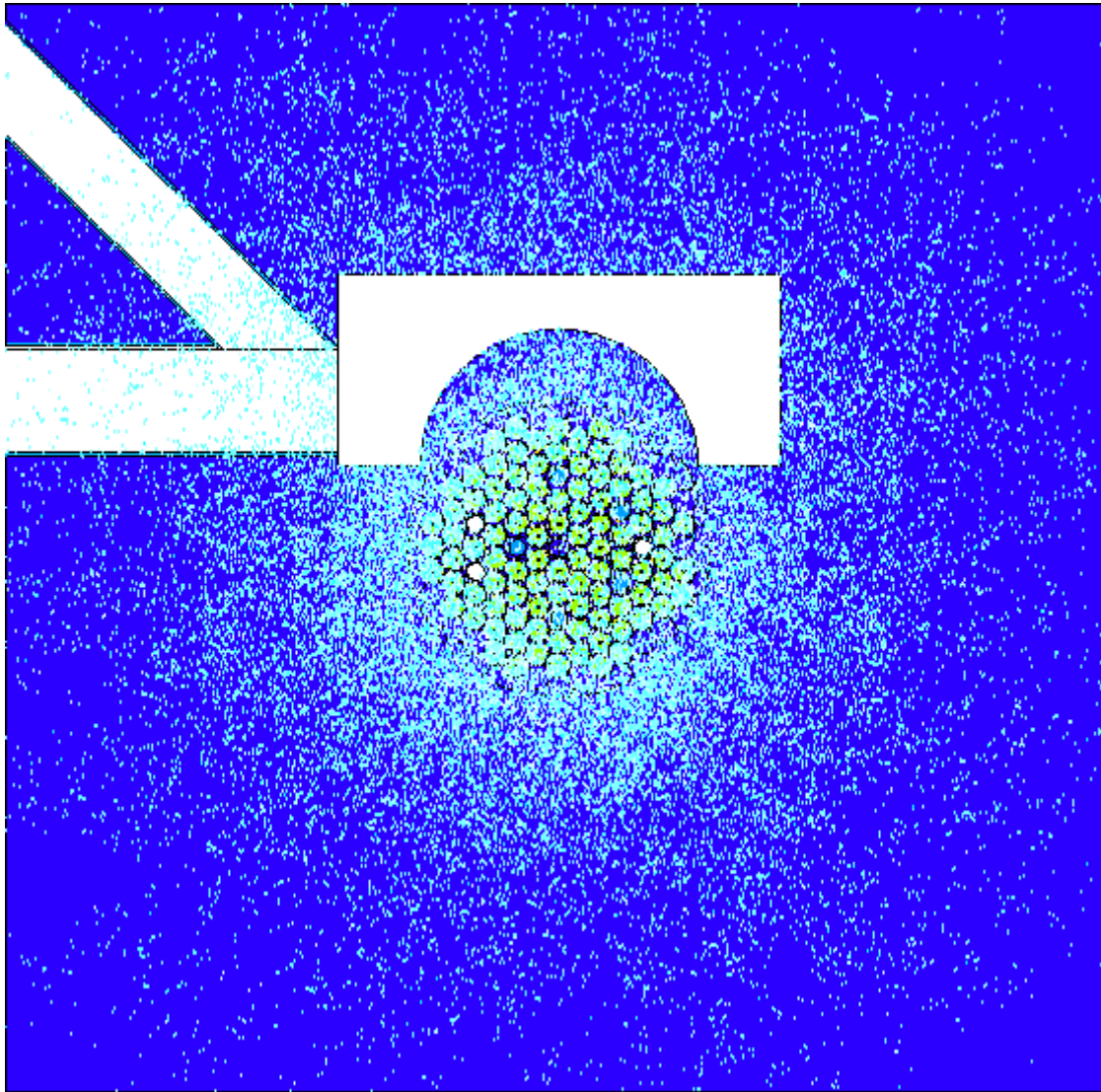
Brehmstrahlung photons using FT CAP feature

(50,000 neutrons)



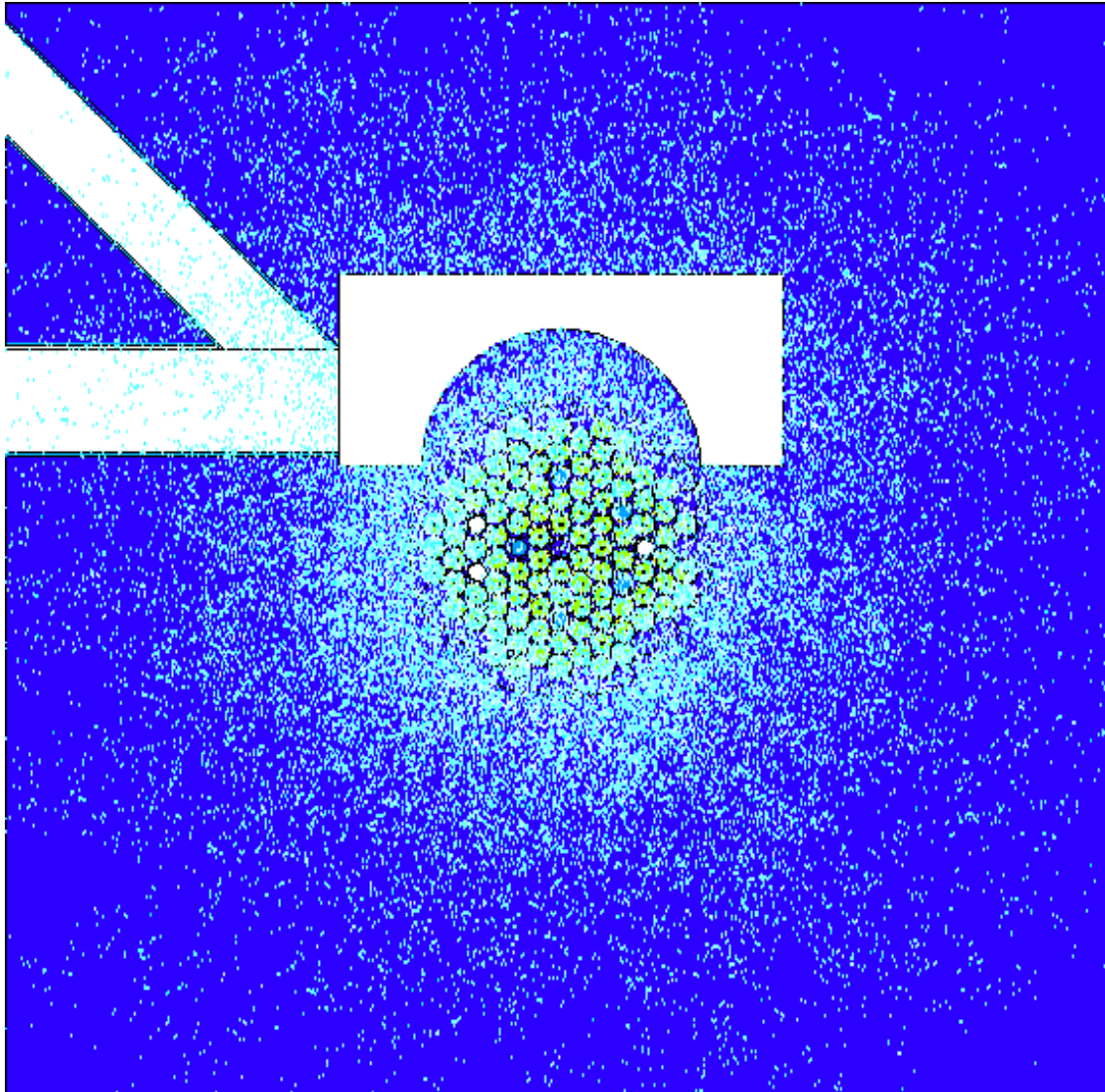
Brehmstrahlung photons using FT CAP feature

(100,000 neutrons)



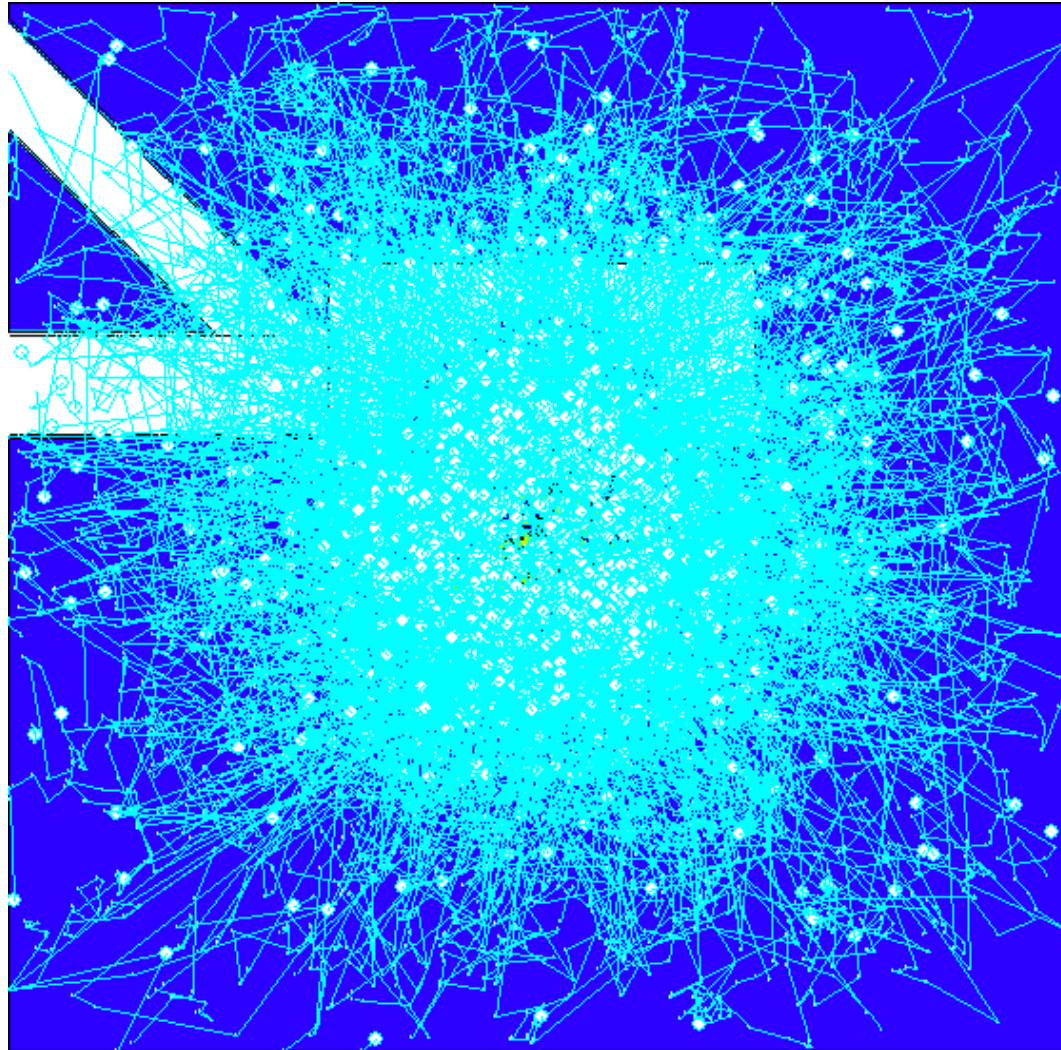
Brehmstrahlung photons using FT CAP feature

(100,000 neutrons/implicit capture off)



Brehmstrahlung photons using FT CAP feature

(50,000 neutrons/implicit capture off)



Brehmstrahlung photons using FT CAP feature

(100,000 neutrons/implicit capture off)