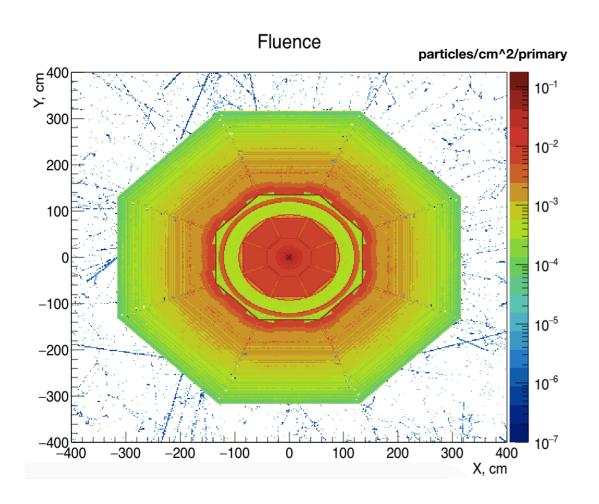
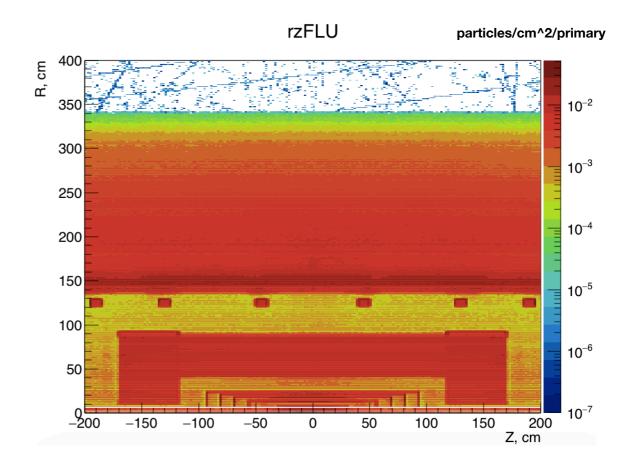
## Dose studies: FairRadGridManager

Allows to calculate fluence in XY plane for each defined mesh.

**Average** values of fluence over z = (-400, +400) cm are shown.



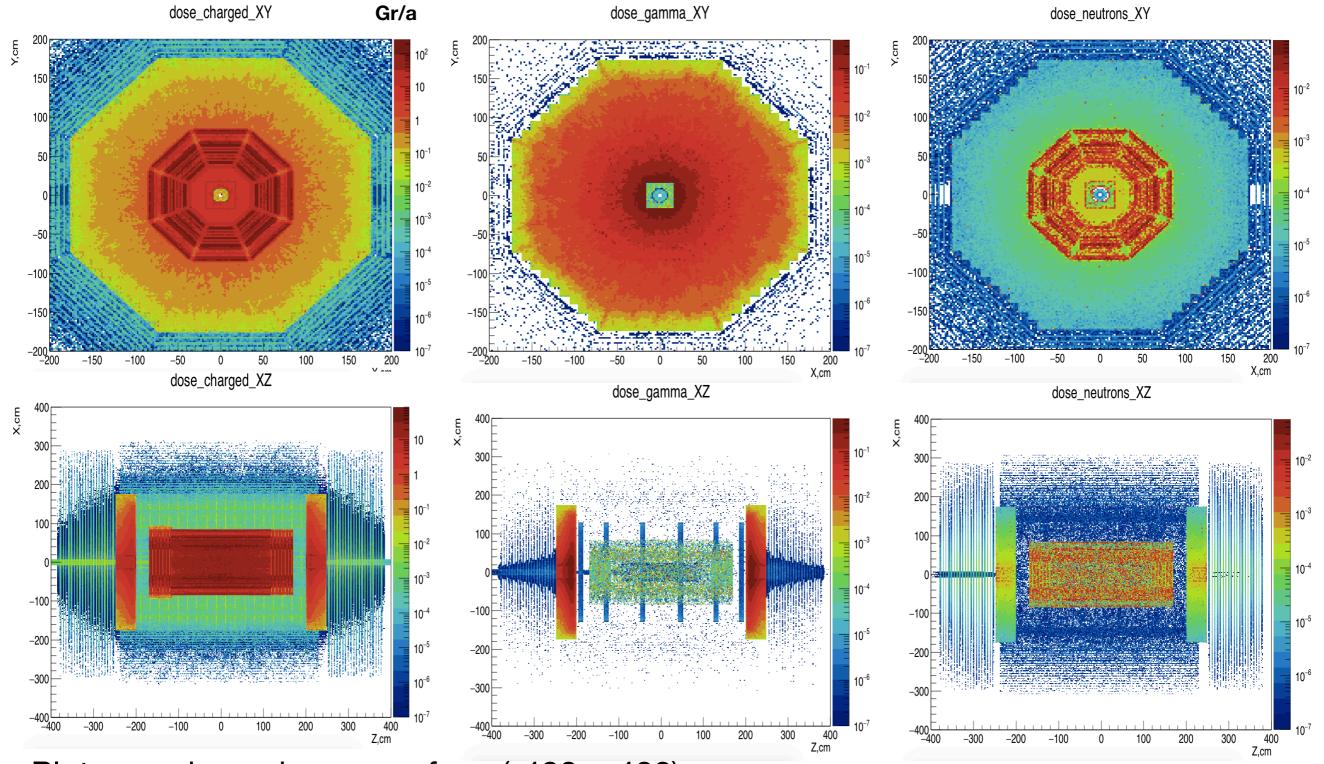




```
fLength = fLength / fBinVolume;
aMesh->fillFluence(fPosOut.X(), fPosOut.Y(), fLength);

// fill SEU
if (part->P() > 0.02) {
   aMesh->fillSEU(fPosOut.X(), fPosOut.Y(), fLength);
}
```

## Dose studies: FairRadMapManager



- Plots are shown in range of z = (-400, +400) cm;
- Need to merge barrel ecal cells;
- RadMapManager calculates the integral energy deposit in each volume in the geometry;

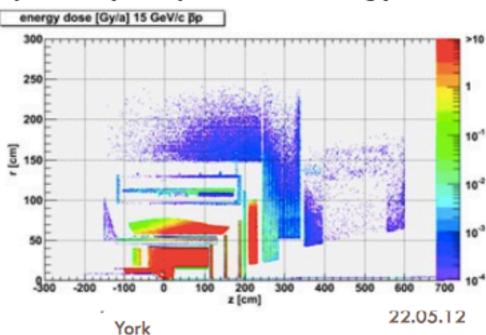
## Dose studies FairRadMapManager

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- What energy dose will be accumulated during a certain time of operation?
- Create all physical volumes with correct material assignment
- Run the simulation engine

FairRadMapManager will sum up every deposited energy in

each volume in the geometry



Florian Uhlig