

SFT Group Meeting

Status Update #10

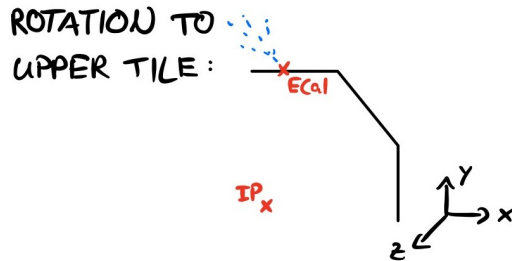
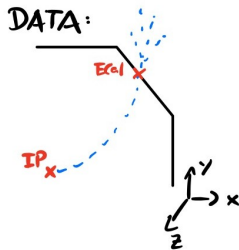
Konrad Helms

31st August 2023

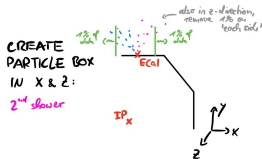
Recent Activity

- improving readability of code
- processed data again very carefully
- now data is stored in *.h5* format
- sketch of data preprocessing:

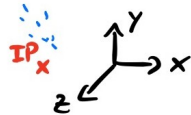
Data Preprocessing Barrel Showers #1



Data Preprocessing Barrel Showers #2

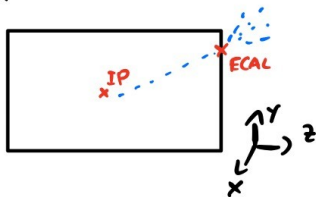


SHIFT ROTATED
BARREL PARTICLES
TO THE CENTRE :
(SUBTRACT BARREL
RADIUS)

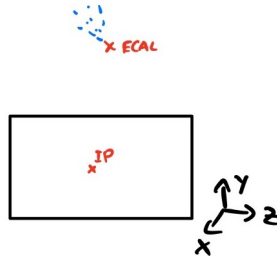


Data Preprocessing Endcap Showers #1

DATA:

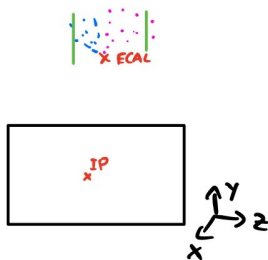


ROTATION TO
UPPER TILE:

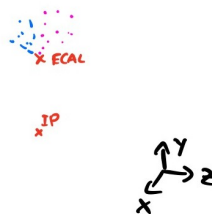


Data Preprocessing Endcap Showers #2

CREATE
PARTICLE BOX
IN X & Z:
2nd slower



SHIFT ROTATED
BARREL PARTICLES
TO THE CENTRE :
(SUBTRACT BARREL
RADIUS)



Plots:

- *jupyter notebook ...*