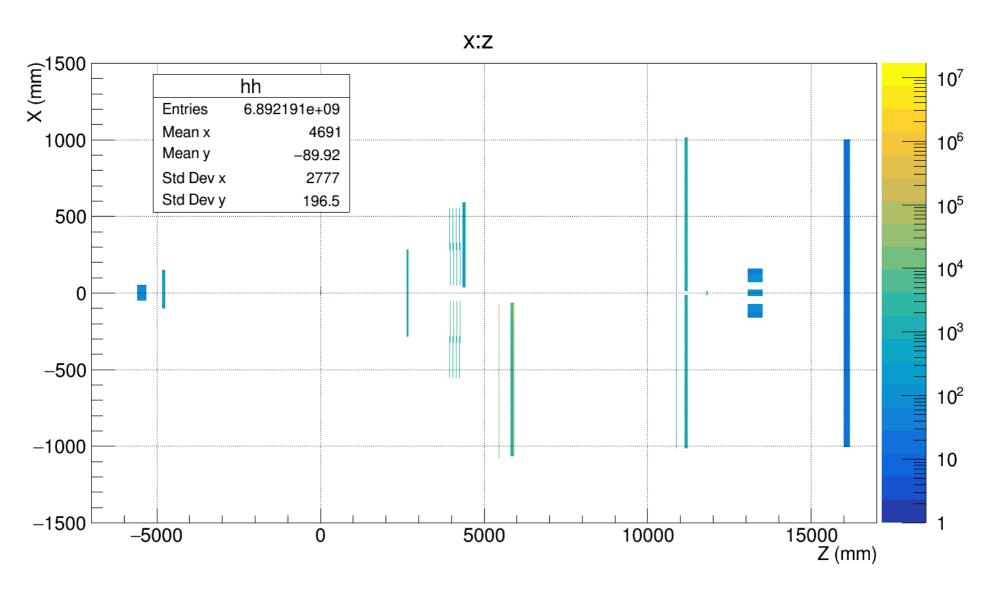
Update on LUXE GEANT4 Simulation

Oleksandr Borysov

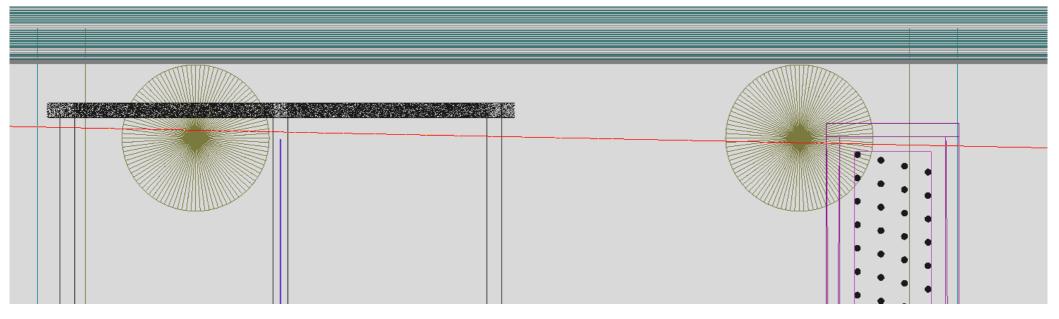
Electron laser background

$1.09 \times 10^9 \approx 73\% \text{ BX}$



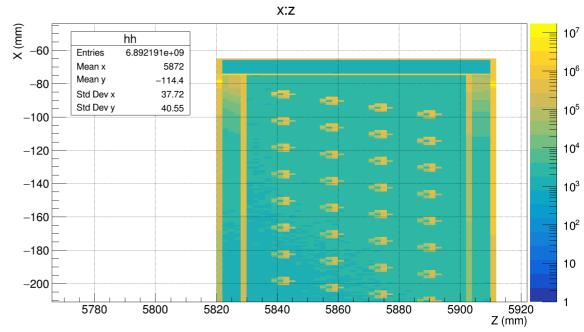
XFEL electron background

FLASH - Free-electron LASer in Hamburg



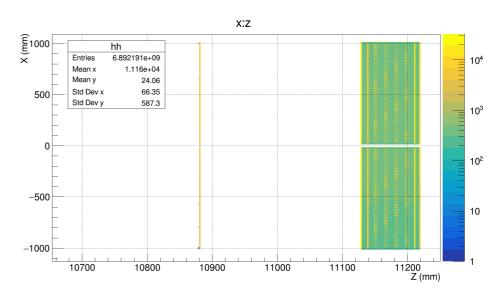
- Electron of 16.5 GeV;
- By = 0.95 T; Xmin = -616 mm;
 Xmax = 622;
- Scree and Cherenkov detectors were moved a bit in x direction.

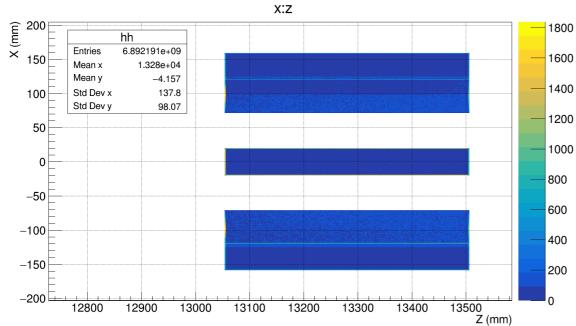
To pass through the dedicated channels fine tuning of field, and positions is might be needed;



Gamma detectors

Side x<0 is behind the beam dump No visible excess for x<0





Positron detectors

There seems to be more tracks on electron side where detectors are ~

