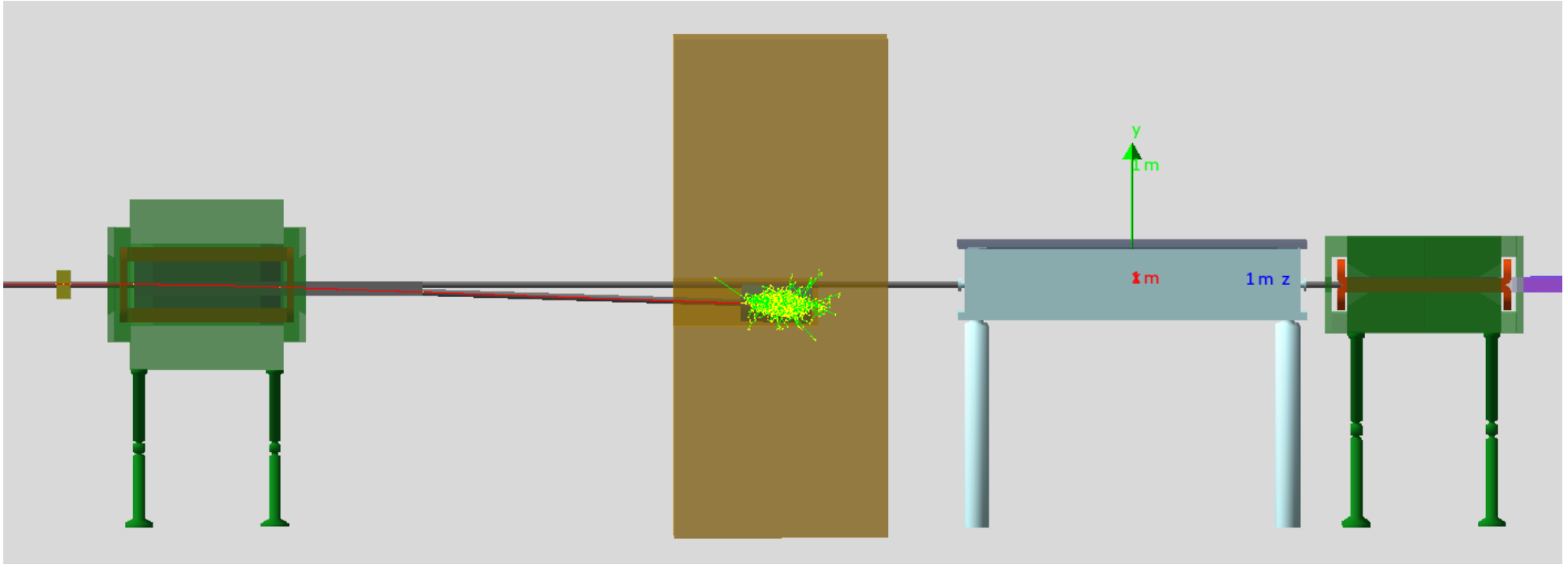
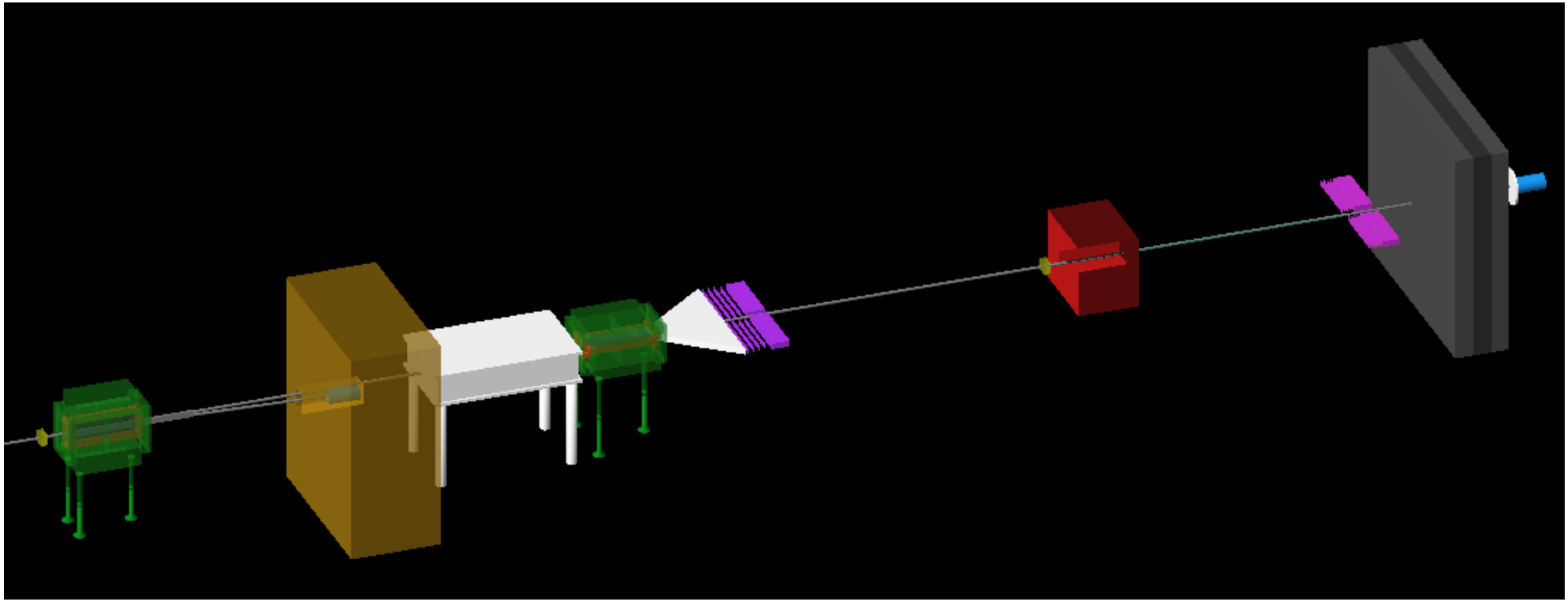
Side view. First magnet rotated and the dump moved accordingly



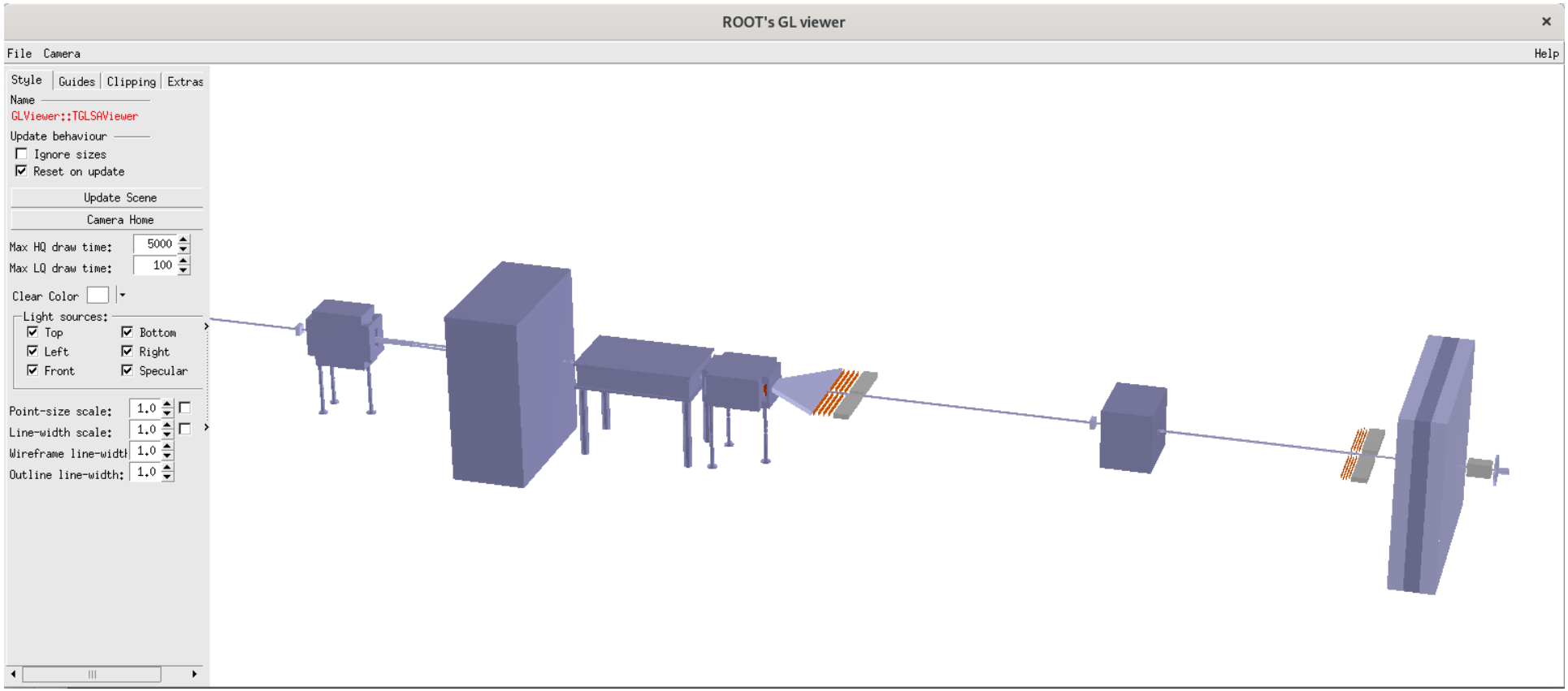
Importing gdml to GEANT4



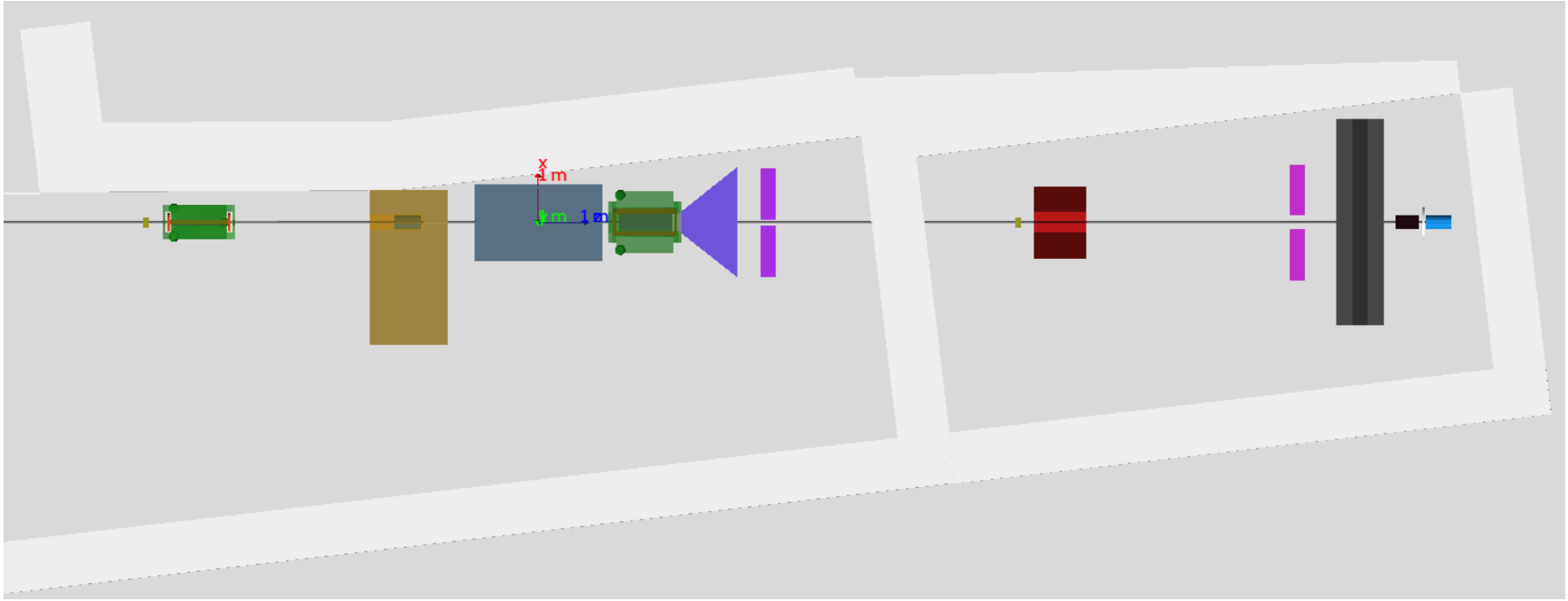
```
Running geometry overlaps check...
Checking overlaps for volume av_1_impr_1_logicTAUICSupport (G4Polycone) ... OK!
Checking overlaps for volume av_1_impr_1_logicTAUICSupport (G4Polycone) ... OK!
Checking overlaps for volume av_1_impr_1_logicTAUICSupport (G4Polycone) ... OK!
  .....

  .....

Checking overlaps for volume ComptShieldingFe (G4SubtractionSolid) ... OK!
Checking overlaps for volume ComptShielding1Al (G4SubtractionSolid) ... OK!
Checking overlaps for volume ComptShielding2Al (G4SubtractionSolid) ... OK!
Geometry overlaps check completed !
```

Viewing with root

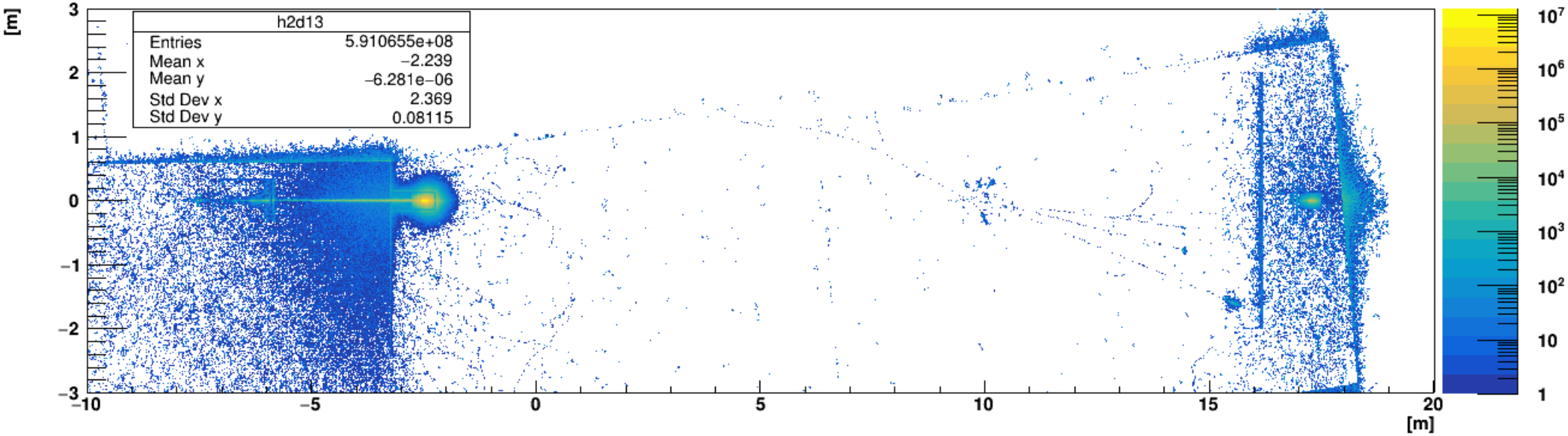
```
root [0] TGeoManager::Import("lxgeomdump_lx1.gdml");
Info in <TGeoManager::Import>: Reading geometry from file: lxgeomdump_lx1.gdml
Info in <TGeoManager::TGeoManager>: Geometry GDMLImport, Geometry imported from GDML created
Info in <TGeoManager::SetTopVolume>: Top volume is World. Master volume is World
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100
Info in <TGeoManager::CheckGeometry>: Fixing runtime shapes...
Info in <TGeoManager::CheckGeometry>: ...Nothing to fix
Info in <TGeoManager::CloseGeometry>: Counting nodes...
Info in <TGeoManager::Voxelize>: Voxelizing...
Info in <TGeoManager::CloseGeometry>: Building cache...
Info in <TGeoManager::CountLevels>: max level = 3, max placements = 52
Info in <TGeoManager::CloseGeometry>: 314 nodes/ 97 volume UID's in Geometry imported from GDML
Info in <TGeoManager::CloseGeometry>: ----------------modeler ready----------------
root [1] gGeoManager->GetTopVolume()->Draw("ogl");
Info in <TCanvas::MakeDefCanvas>:  created default TCanvas with name c1
```



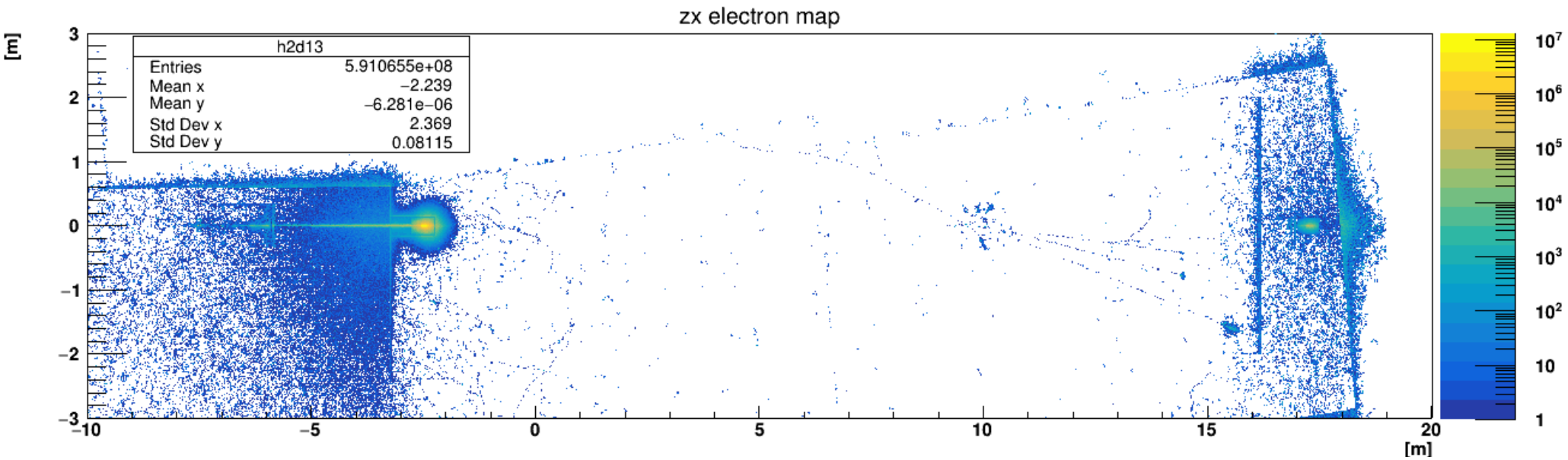
Top view, electron positions

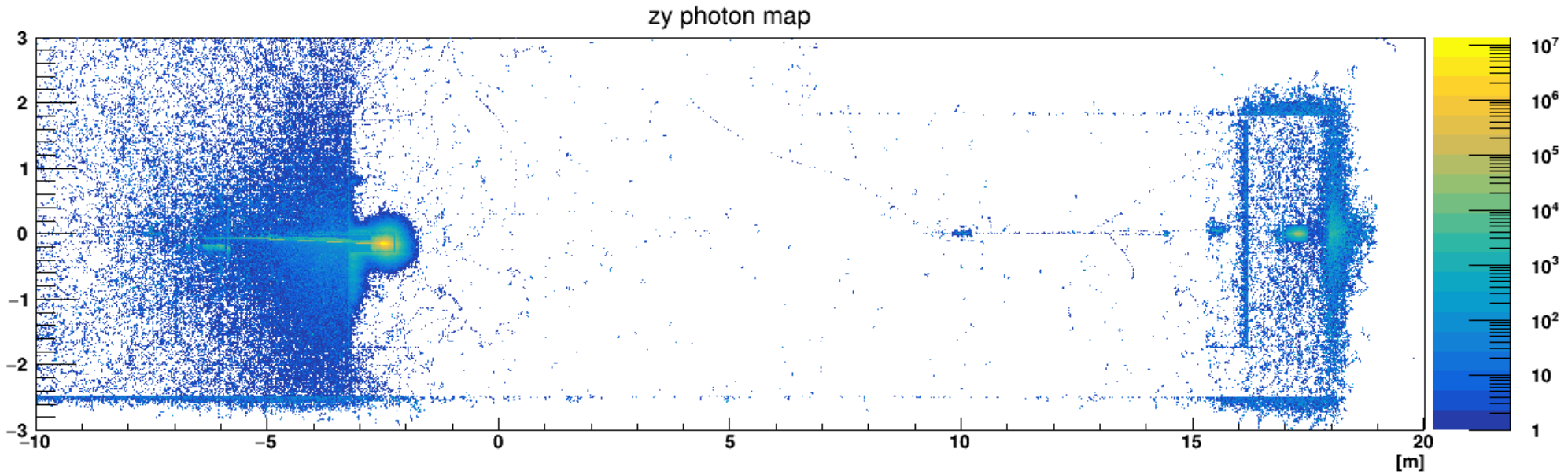


ZX electron steps map



Top and side view of electron positions





Overview

- Keep dump magnet so that the beam is in the middle or move it for possible access of electrons of lower energy?
- Simulation of 100k events ~3h.