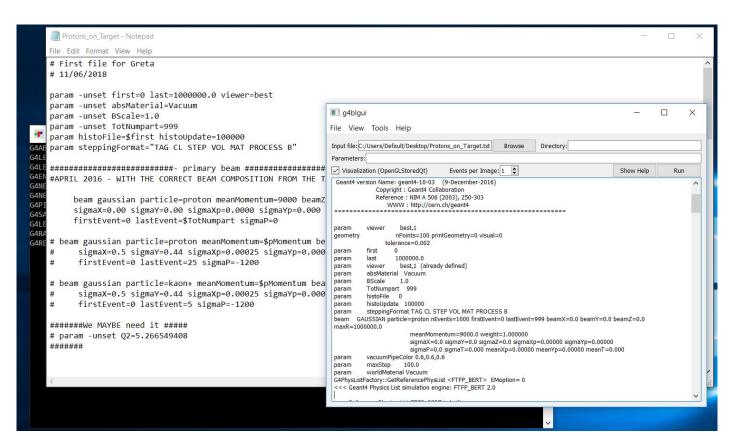
# Beamline Operation

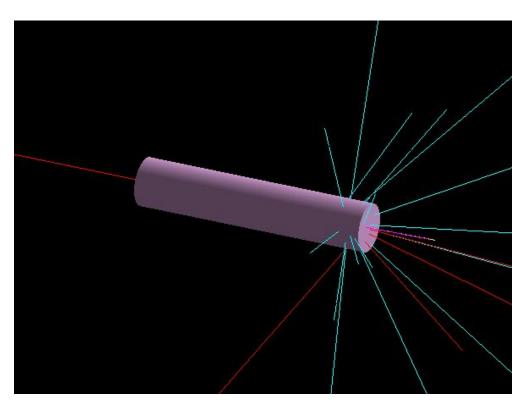
Student: Greta Söderström

Supervisor: Nikolaos Charitonidis

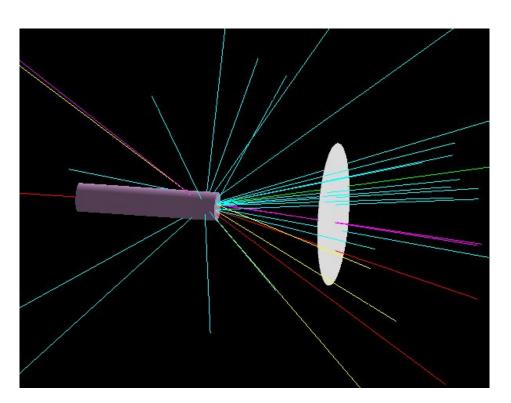
#### G4beamline - simulation of beams

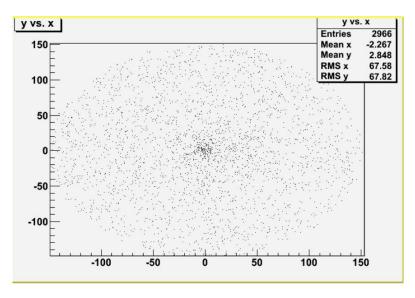


## Protons and target (Cu)

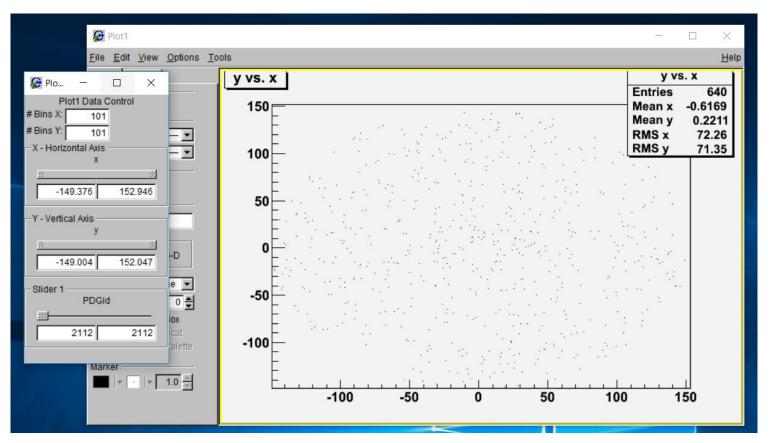


### Virtual detectors and HistoRoot

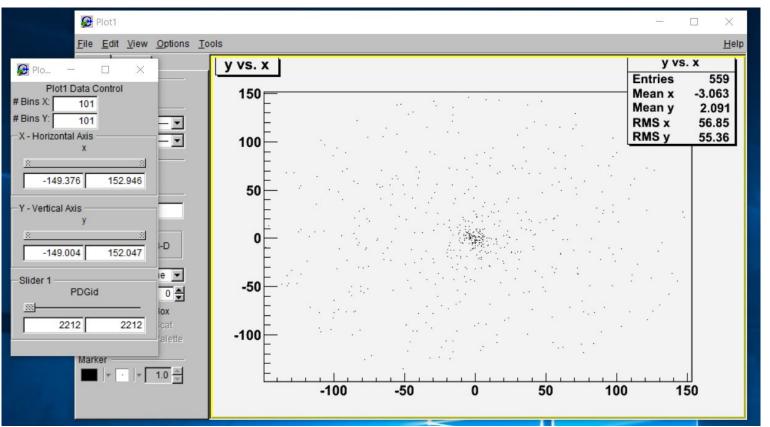




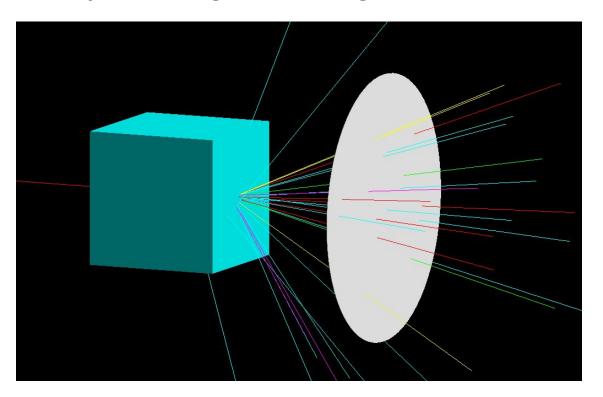
### Positions of neutrons



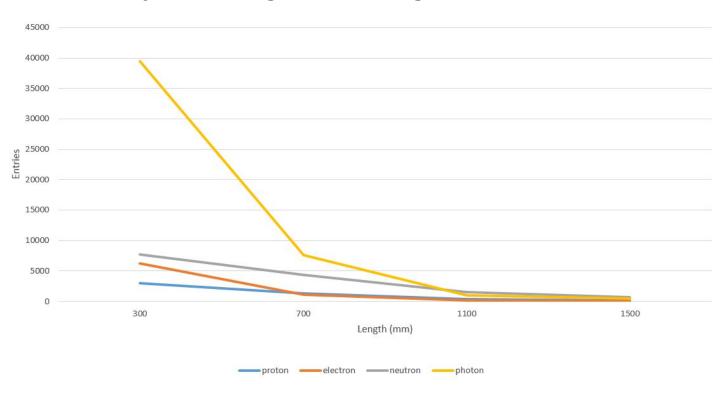
### Positions of protons



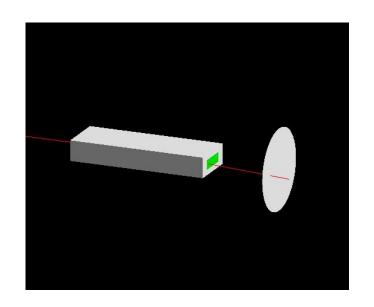
## Study of length of target and entries

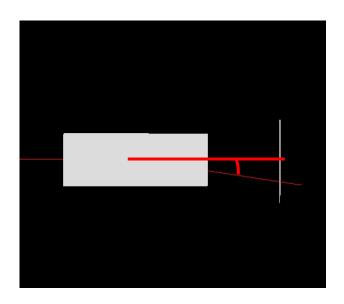


# Study of length of target and entries

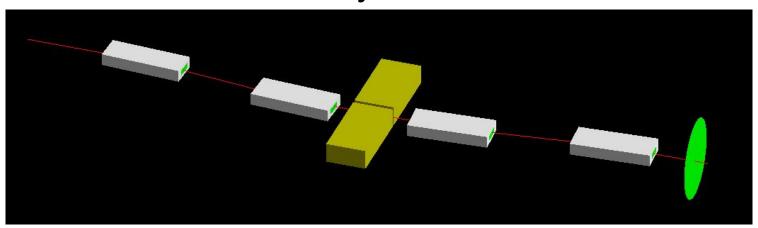


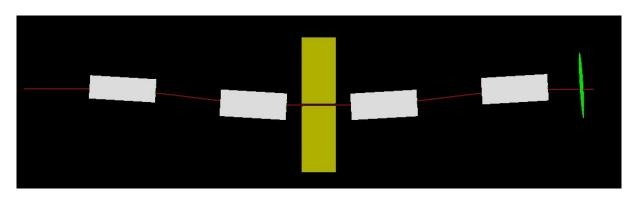
# Magnet



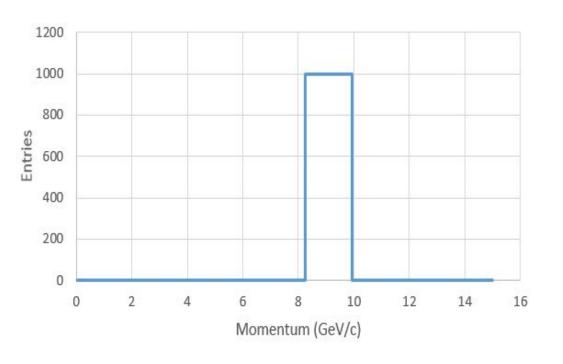


# A system

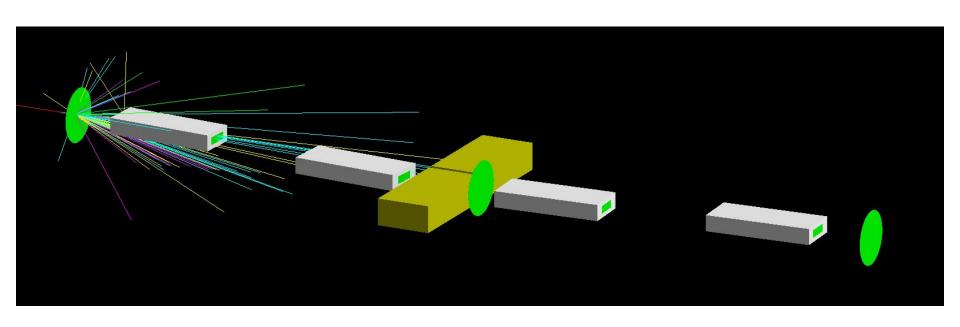




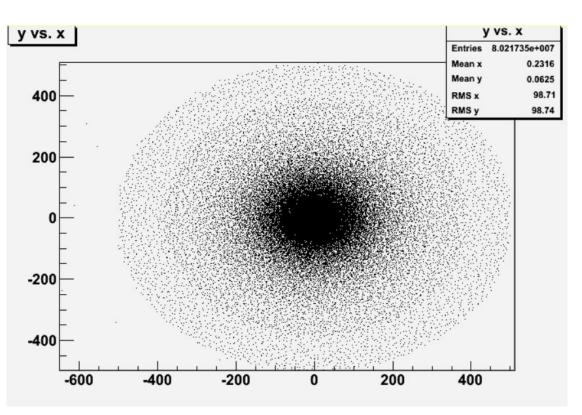
### Acceptance



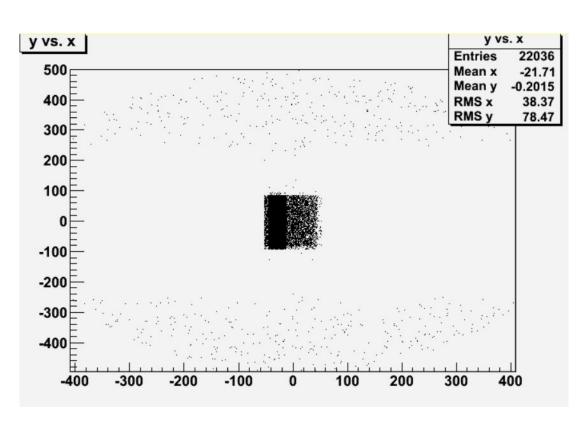
Acceptance=9GeV±8.84%



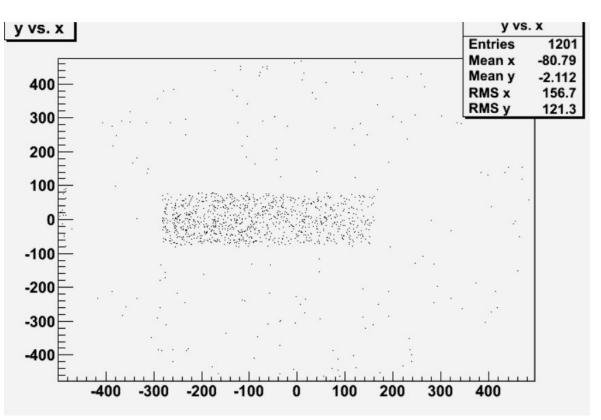
### **Detector 1**



### Detector 2



### **Detector 3**



# How has it been?