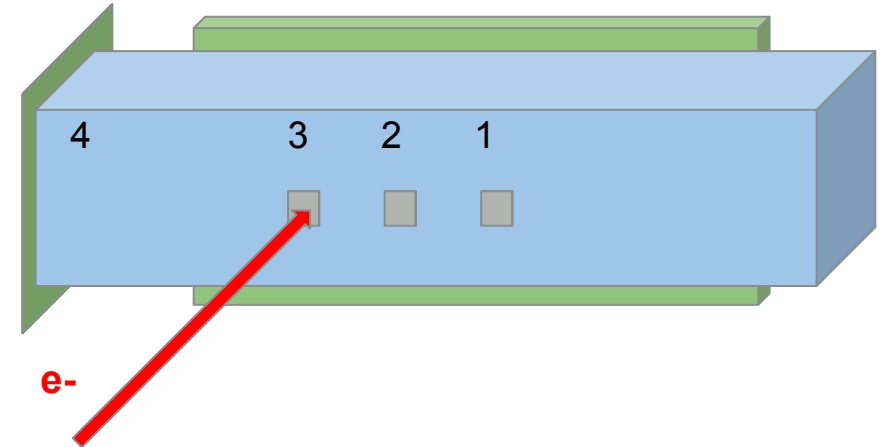
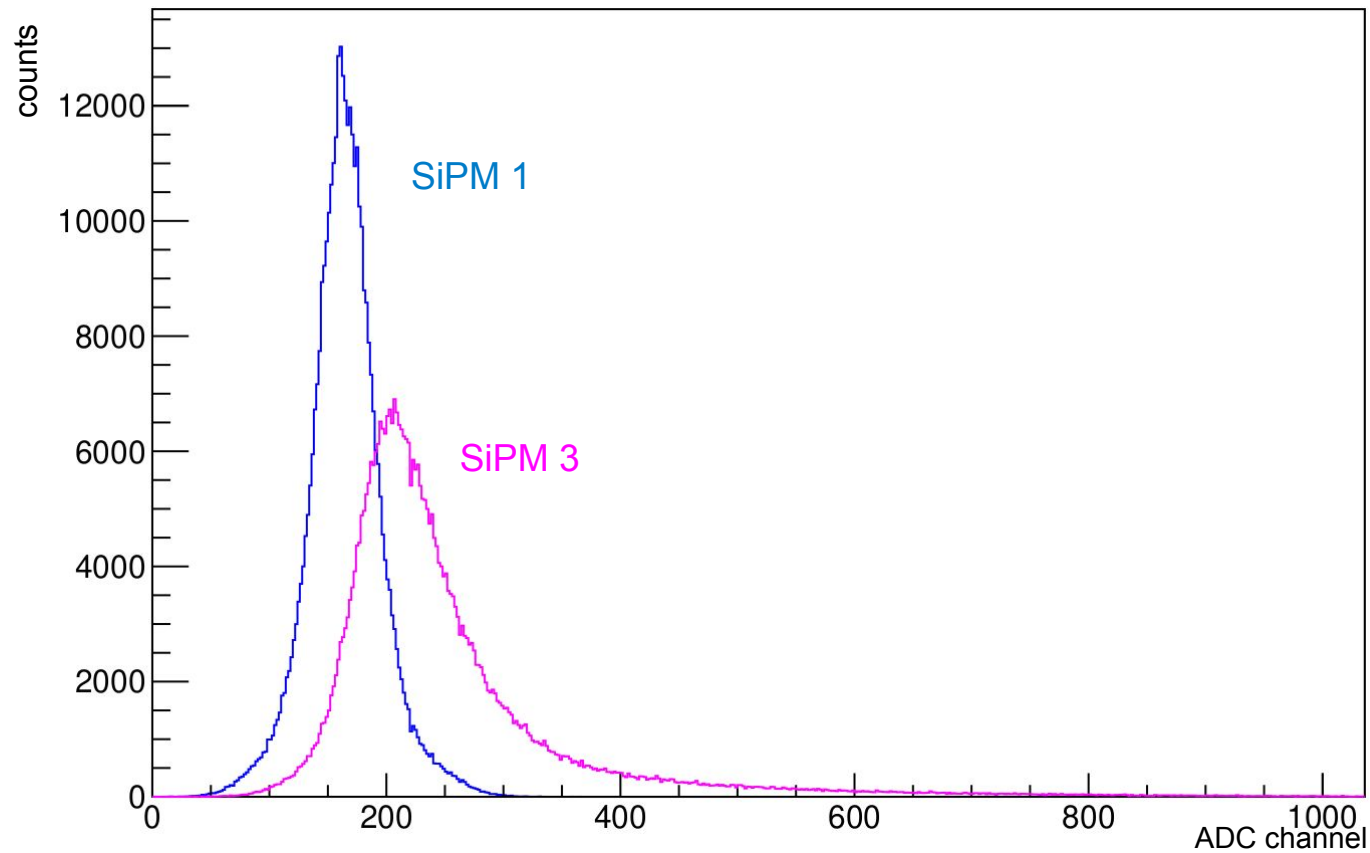


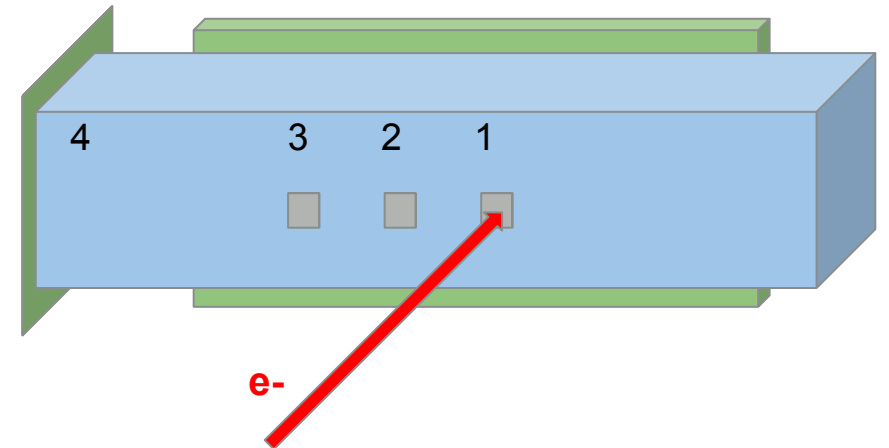
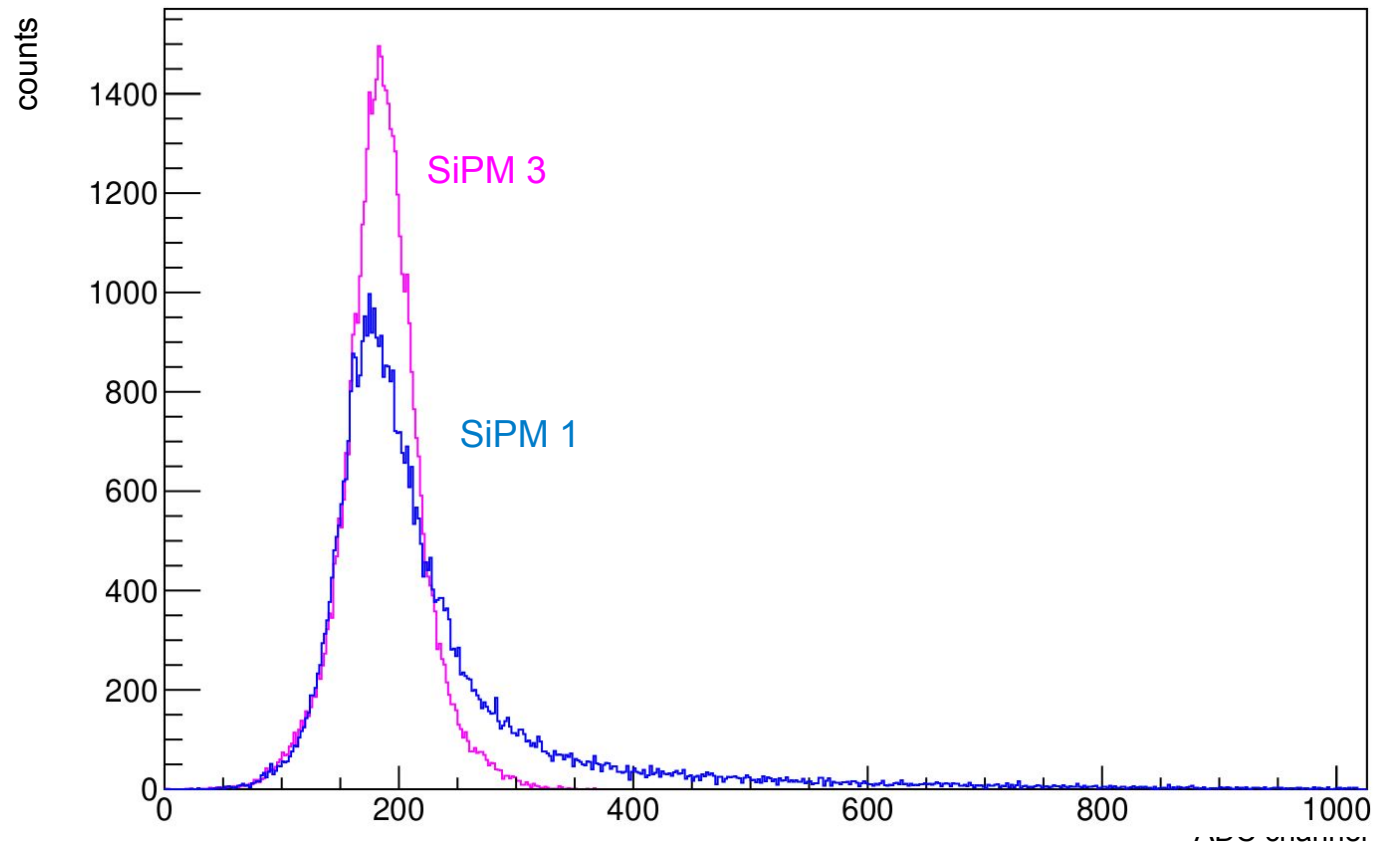
Testbeam data

- Measurements taken with DT5700 and SiPM setup
 - perpendicular to beam: spatial resolution visible



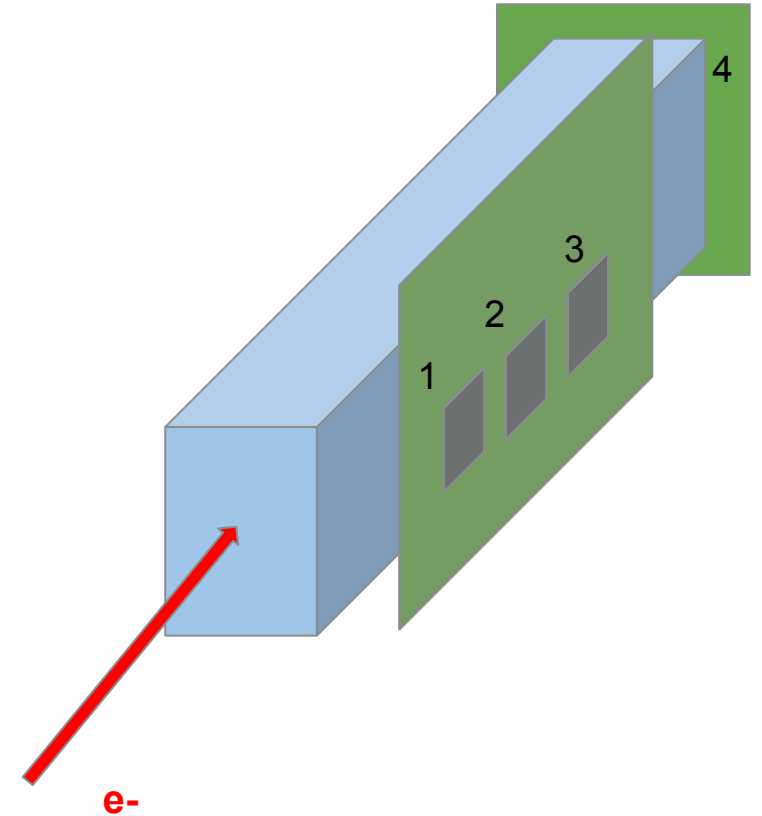
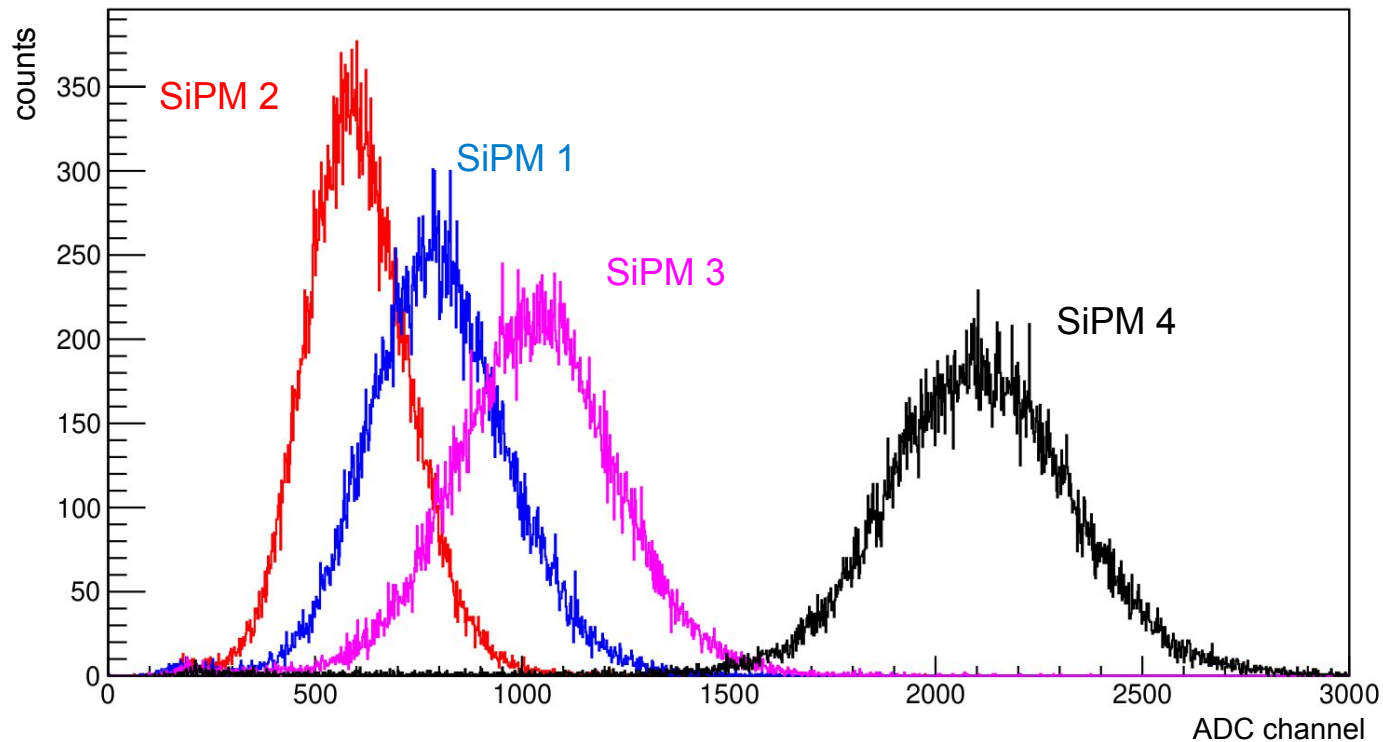
Testbeam data

- Measurements taken with DT5700 and SiPM setup
 - perpendicular to beam: spatial resolution visible



Testbeam data

- Measurements taken with DT5700 and SiPM setup
 - perpendicular to beam: spatial resolution visible
 - in parallel to beam: light dispersion visible



New GEANT4 simulation of the Cherenkov detector

Idea:

- Rewriting DetectorConstruction, AnalysisManager, Stepping/Event/RunAction and corresponding messenger
 - Better understanding of functionality
 - Easier to make changes (Messenger for geometry parameter e.g.)
- Functionality to add:
 - Optical simulation
 - Individual straw parameters -> radius, angle in respect to beam, height
 - Optimisation of electronics position
 - Analysis of path length through straw on the fly
 - Rebuild of prototype geometry

