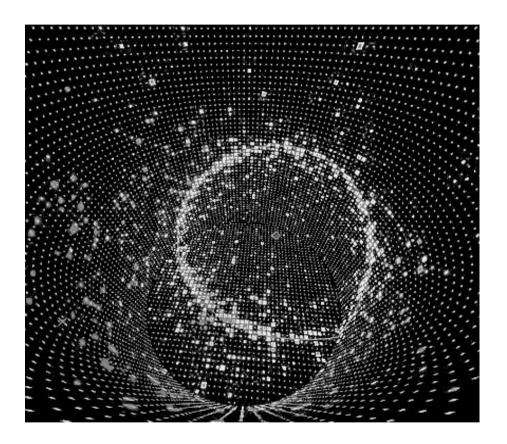
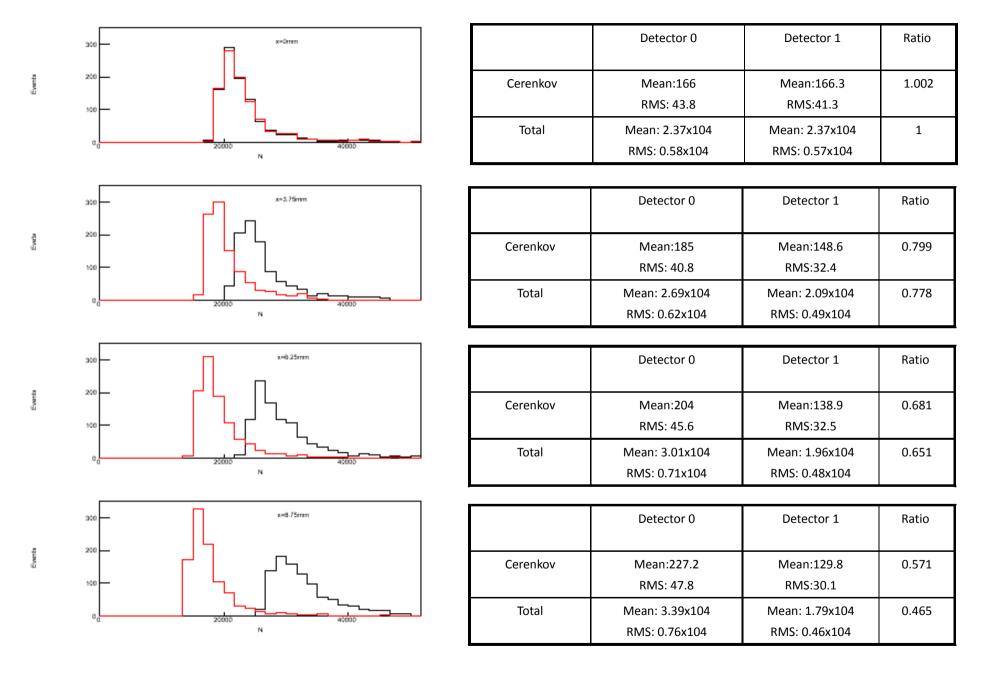
- 2 Detectors Crystal Cube Geometry
- 5 Detectors Crystal Cube Geometry

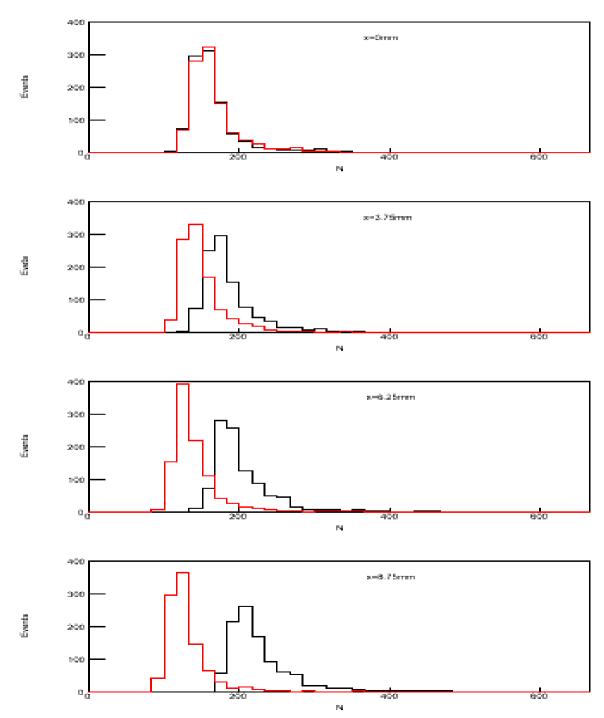
**Future Goals** 

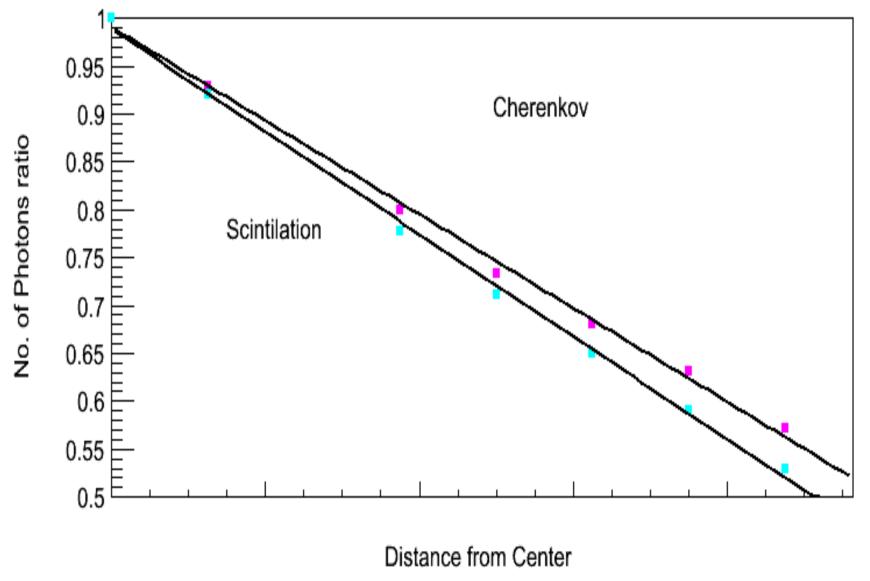


## Total photons measured in each detector



## Cherenkov photons measured in each detector

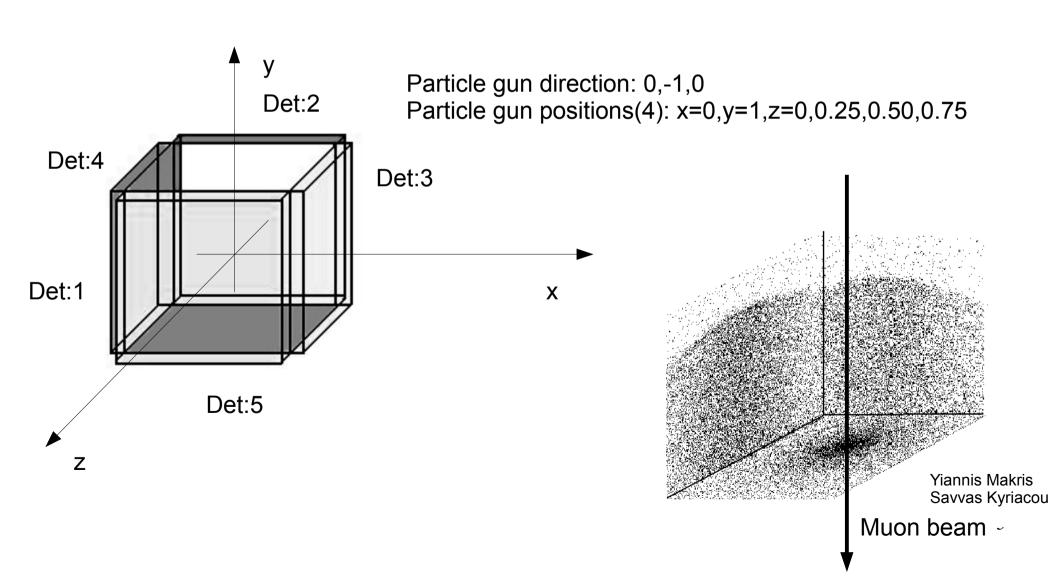


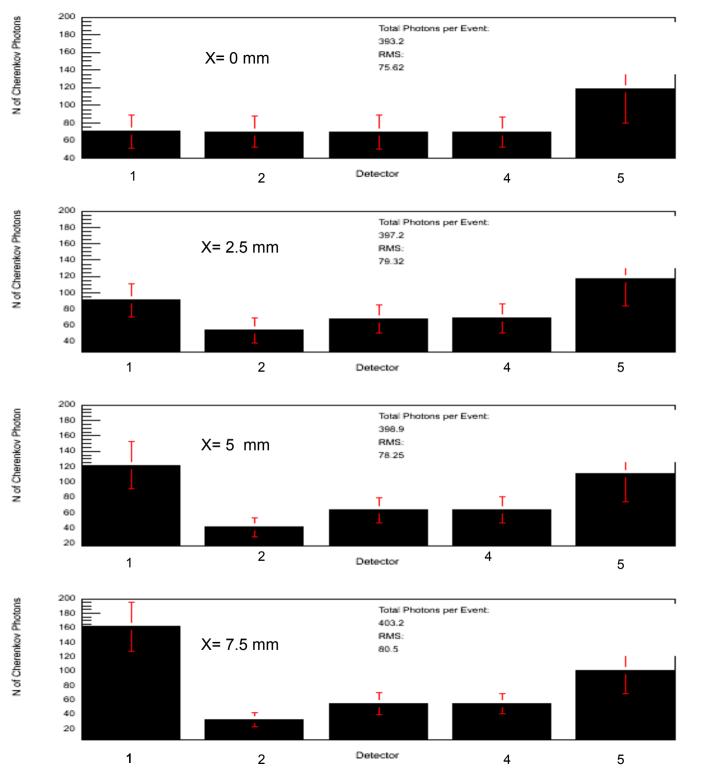


## New Simulation Set up Geometry

Single muon(-) beam Muon energy : 10GeV

Crystal: BGO Detectors : 5





Amount of measured Cherenkov photons for each detector at the different positions

Yiannis Makris Savvas Kyriacou Currently working on - goals:

Achieving creating a sensitive crystal volume – instant measurement of the deposited energy in the crystal step by step and comparison to the measured photons.

A spatial simulation of the exact position of the silicon detectors .