

## Status of GRETINA

*Tuesday, 16 September 2014 10:25 (30 minutes)*

GRETINA is a first implementation of a gamma-ray spectrometer which is capable of tracking gamma-rays through its active detector volume. It consists of seven, four-crystal modules (6x6 segments). Each crystal is individually encapsulated with all four crystals sharing a common cryostat. The irregular, tapered hexagonal crystals pack into a spherical shell with the seven modules spanning  $1\pi$  solid angle.

GRETINA was constructed and commissioned at LBNL. It completed its first physics campaign at NSCL/MSU in July of 2013 and is now running at ATLAS/ANL.

We will give a short overview of the project, and discuss some technical aspects and the performance of the array.

Highlights from the experimental program carried out at NSCL, and some initial results from the ATLAS campaign will be presented.

Future plans for GRETINA will also be discussed.

**Primary author:** MACCHIAVELLI, Augusto (Nuclear Science Division - Lawrence Berkeley National Laboratory)

**Presenter:** MACCHIAVELLI, Augusto (Nuclear Science Division - Lawrence Berkeley National Laboratory)

**Session Classification:** Session 5