



Contribution ID: 27

Type: **not specified**

## Developments and perspectives with the FATIMA array

*Tuesday, 28 June 2016 12:00 (20 minutes)*

FATIMA is an array of LaBr<sub>3</sub>-Ce detectors that has been constructed as part of the DESPEC experiment at NUSTAR. The array will be used with the AIDA implantation detector at the focal plane of the super-FRS to measure sub-nanosecond lifetimes of levels in exotic nuclei. In preparation for operation at NUSTAR, a portion of the array has been utilised in experiments e.g. at RIKEN and at the Argonne National Laboratory where it has operated in coincidence with an array of germanium detectors (EURICA and Gammasphere respectively). Information will be presented about the design of the array and results of the experiments at RIKEN and at Argonne will be discussed.

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**Session Classification:** Radiative Beam and Instrumentation