



Contribution ID: 67

Type: **not specified**

## **Direct Cross Section Measurements for Astrophysics at LUNA**

The Laboratory for Underground Nuclear Astrophysics (LUNA) is located at the Gran Sasso National Laboratory (LNGS). The 400kV accelerator for proton or alpha particle beams at LUNA is dedicated to experiments for the direct measurement of cross sections that are relevant for astrophysics. These cross sections are typically small in the energy region of interest (indicated by the Gamow peak), so that LUNA benefits in particular from the low cosmic ray background underground at LNGS but also makes use of further means of background reduction.

The poster presents the LUNA facility and the applied experimental techniques, with a focus on the currently ongoing work.

**Primary author:** BOELTZIG, Axel (GSSI)

**Presenter:** BOELTZIG, Axel (GSSI)