

## Nuclear Astrophysics at the Canfranc Underground Laboratory, 2nd CUNA Workshop



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### **Capabilities of the CIEMAT Nuclear Innovation Unit in relation to a Nuclear Astrophysics Program at the Canfranc Underground Laboratory**

The Nuclear Innovation Unit at CIEMAT is a research group with large experience in Monte Carlo simulation of reactors and nuclear facilities with the MCNPX code. Several researchers of the group are members of the GEANT4 collaboration and are responsible of the processing and maintenance of neutron and charged particle nuclear data libraries. From the experimental point of view, several researchers have a huge experience in the measurement of neutron induced cross section with gamma calorimeters and in neutron spectrometry with liquid scintillators. An overview of the capabilities of the group in relation to a nuclear astrophysics program at the LSC will be provided.

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