

## **WORKSHOP on Nuclear Astrophysics at the Canfranc Underground Laboratory** **Canfranc Estación, SPAIN, 22 and 23 March, 2012**

### **FIRST CIRCULAR - 16 Dec 2011**

This is the first announcement of the international workshop on "Nuclear Astrophysics at the Canfranc Underground Laboratory" to be held in Canfranc 22-23 March, 2012. It is the third in the series of workshops fostering European efforts to develop the next generation accelerator underground facility, following the workshop "Underground nuclear-reaction experiments for astrophysics and applications" held in Dresden in 2010 and the Round Table "LUNA-MV at LNGS" held in Gran Sasso in February 2011.

In this occasion we are organizing the workshop to discuss the feasibility, the Physics programme and the future prospects of the Nuclear Astrophysics facility at the Canfranc Underground Laboratory (LSC) in Canfranc, Spain: <http://www.lsc-canfranc.es/>. This is a continuation of the first exploratory workshop held in Barcelona in February 2009.

### **Location**

The workshop will be held at the LSC headquarters, located in Canfranc Estación, Spain: <http://www.lsc-canfranc.es/pagina-281/>. The laboratory can be reached by road from Zaragoza. Transport from Zaragoza AVE (high speed train) Station to the workshop location will be organized for the participants.

We will pre-book sufficient number of rooms in a close-by hotel (<http://www.santacristina.es/htm/index.php>) for the participants in the workshop.

### **Workshop format - Abstract submission**

The workshop will start on 22 March in the morning and end on 23 March after lunch. The workshop will consist of several invited talks aimed at providing a general overview of main physics questions, the technical challenges and similar efforts worldwide, plus contributed presentations.

All participants are encouraged to submit their abstracts. A short abstract can be submitted via the Web interface, before 3 February 2012. The notification of accepted abstracts will be done by 20 February 2012. We intend to make the talks publicly available via the workshop webpage, prior agreement by the speakers.

### **Registration and contact**

Participants are requested to register through the online form provided at <http://nuclear.fis.ucm.es/nucastro/registration.html>. You can contact the organizers at [na\\_lsc\\_2012@nuclear.fis.ucm.es](mailto:na_lsc_2012@nuclear.fis.ucm.es).

### **Deadlines**

Abstract submission: 3 February 2012.

Notification to speakers: 20 February 2012.

Registration: 5 March 2012.

### **Organizing Committee**

- José Benlliure (*U. Santiago*)
- Luis M Fraile [chair] (*UCM, Madrid*)
- Jordi José (*UPC, Barcelona*)
- José Luis Taín (*IFIC, Valencia*)