

## **Session Program**

**5-7 Feb 2018**

# **RENATA thematic meeting on Dark Matter @ LSC**

## ***Review of direct detection of dark matter***

Laboratorio Subterráneo de Canfranc  
Paseo de los Ayerbe S/N 22880 Canfranc-Estacion (Huesca - SPAIN)

## Tuesday 6 February

15:00

### Review of direct detection of dark matter: review talks I

Session

15:00–15:25 **Introduction and the Underground Canfranc Laboratory**

**Speaker**  
Aldo Ianni

15:25–16:00 **Dark matter on and off the beaten track**

**Speaker**  
Leszek Roszkowski

16:00–16:35

**Present and future status of searching for annual modulation in the framework of DM direct detection**

**Speaker**  
Kim Yeongduk

16:35

17:00

### Review of direct detection of dark matter: review talks II

Session

17:00–17:35

**Review of experimental WIMPs search with liquid xenon and argon: present status and future prospects**

**Speaker**  
Cristiano Galbiati

17:35–18:10

**Review of experimental search for light WIMPs: present status and future prospect**

**Speaker**  
Paolo Gorla

18:10–18:45 **Dark Matter Axion searches: Status and future Prospects**

**Speaker**  
Bela Majorovits

18:45

# Wednesday 7 February

08:30

## Review of direct detection of dark matter: talks by Spanish groups Session

08:30–08:55 **Current activity and plans of the CIEMAT-DM group**

**Speaker**  
Roberto Santorelli

08:55–09:10 **R&D for ultra-low background sensor planes**

**Speaker**  
Dr Paola Ferrario

09:10–09:35 **Testing DAMA/LIBRA result with ANAIS-112 experiment**

**Speaker**  
Dr M.L. Sarsa

09:35–09:55

**Search for low mass WIMPs with low-threshold low-background TPCs: the TREX-DM experiment**

**Speaker**  
Gloria Luzon Marco

09:55–10:15 **Direct dark matter detection with superheated liquids**

**Speaker**  
Miguel Ardid

10:15–10:35 **DAMIC Experiment**

**Speaker**  
Rocio Vilar Cortabitarte

10:35–11:00 **Search for axions with the International Axion Observatory (IAXO)**

**Speaker**  
Igor Irastorza

11:00

11:30

13:00

## Review of direct detection of dark matter: discussion

**Session** | **Conveners:** Mario Martinez-Perez, Sergio Pastor