

## **Session Program**

**5-7 Feb 2018**

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

## ***Dark matter studies in RENATA groups***

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

## Tuesday 6 February

09:15

### Dark matter studies in RENATA groups

#### Session

09:15–09:30 **Dark Matter in the Sky**

**Speaker**

Francisco Prada

09:30–09:50 **Search for dark matter in Antares and KM3NeT**

**Speaker**

Juan José Hernández-Rey

09:50–10:10 **High energy neutrinos from the Sun**

**Speaker**

Manuel Masip

10:10–10:30 **Recent gamma ray dark matter searches with Fermi**

**Speaker**

Miguel Sánchez-Conde

10:30–10:45

**Unassociated Gamma-ray Sources as Targets for Indirect DM Detection with Fermi-LAT**

**Speaker**

Javier Coronado

10:45–11:00 **Dark Matter searches in M15 galactic globular cluster**

**Speaker**

Camilla Maggio

11:00

11:25

### Dark matter studies in RENATA groups

#### Session

11:25–11:45 **Where is SUSY DM?**

**Speaker**

Sven Heinemeyer

11:45–12:05 **Interplay of LHC SUSY searches and Dark Matter detection.**

**Speaker**

Mario E. Gomez

12:05–12:20 **Sterile neutrino portal to Dark Matter: The global  $U(1)_{(B-L)}$  case**

**Speaker**

Miguel Escudero

12:20–12:40 **Ultra-light vector field dark matter**

**Speaker**

Antonio L. Maroto

12:40–12:55

**Unified Halo-Independent Formalism for Direct Detection Experiments**

**Speaker**

Samuel Witte

12:55–13:15

**Cosmogenic production of tritium in dark matter detectors**

**Speaker**

Susana Cebrian

13:15–13:30

**Columnar recombination and directional nucleus reconstruction**

**Speaker**

Diego Gonzalez Diaz

13:30