

## **Session Program**

**10-12 Apr 2013**

# **Low Radioactivity Techniques Workshop - LRT2013**

## ***Poster session***

INFN - Laboratori Nazionali del Gran Sasso, E. Fermi auditorium  
SS 17 bis, km 18 + 910, 67100 Assergi (AQ), Italy

# Thursday 11 April

15:00

## Poster session

### Poster Session |

**Location:** INFN - Laboratori Nazionali del Gran Sasso, E. Fermi auditorium, SS 17 bis, km 18 + 910, 67100 Assergi (AQ), Italy

### A Micromegas detector for $^{222}\text{Rn}$ emanations measurements

#### Speaker

Mr Juan Antonio Garcia Pascual

### Acoustic studies for alpha background rejection in dark matter bubble chambers detectors

#### Speaker

Dr Manuel Bou-Cabo

### Background studies for NaI(Tl) detectors in the ANAIS dark matter project

#### Speaker

Dr SUSANA CEBRIAN

### Calibration of an Ultra-Low-Background Proportional Counter for Measuring Ar-37

#### Speaker

Dr Allen Seifert

### Demonstration and Details of the Community Material Assay Database

#### Speakers

Dr James Loach, Dr Jodi Cooley

### GAMMA3 : A GAMMA/ELECTRON SPECTROMETRY SYSTEM FOR DETECTION OF ENVIRONMENTAL FISSION PRODUCTS TRACES

#### Speaker

Dr GUILHEM DOUYSET

### HEROICA: a fast screening facility for the characterization of germanium detectors

#### Speaker

Dr Erica Andreotti

### Initial Characterization of Unequal-Length, Low-Background Proportional Counters for Absolute Gas-Counting Applications

#### Speaker

Emily Mace

### Low background HPGe spectrometer in investigations of $2\beta$ decay

#### Speaker

Ms Ekaterina Rukhadze

### Low background techniques in SuperNEMO

#### Speaker

Mr Frédéric Perrot

## **Low-Background Gamma-Ray Spectrometry in the Garching Underground Laboratory**

### **Speakers**

Dr Martin Hofmann, Moritz v. Sivers

## **Measurement and modeling of muon-induced neutrons in LSM in application for direct Dark Matter searches**

### **Speaker**

Dr Valentin Kozlov

## **Measurement of the neutron yield induced by muons in liquid scintillator and iron at LNGS with the LVD experiment**

### **Speaker**

Rino Persiani

## **Measurement of very low Rn activities and Rn diffusion in thin foils. Apparatus for measurement of Rn emanation**

### **Speaker**

Mr Fadahat Mamedov

## **Measurements of Cosmic Ray Correlated Events at the Soudan Underground Laboratory**

### **Speaker**

Dr Anthony Villano

## **Modeling surface alpha backgrounds from radon progeny plate-out**

### **Speaker**

Vincente Guiseppe

## **New setup for low Radon emanation rate measurements**

### **Speaker**

Benjamin Soulé

## **Pixel detectors in double beta decay experiments, a new approach for background reduction**

### **Speaker**

Mr Joshy Mjose

## **Positronium discrimination in liquid scintillators**

### **Speaker**

Dr Stefano Perasso

## **Purification of lanthanides for double beta decay experiments**

### **Speaker**

Dr Oksana Polishchuk

## **Radiopurity measurement of acrylic for DEAP-3600**

### **Speaker**

Ms Corina Nantais

## **Removal of long-lived $^{222}\text{Rn}$ daughters by electropolishing thin layers of stainless steel**

16:20

**Speaker**

Prof. Richard Schnee

**Screening Materials with the XIA UltraLo Alpha Particle Counter at Southern Methodist University**

**Speaker**

Mayisha Nakib

**Simulation of low-level tritium and radon background in the KATRIN main spectrometer**

**Speaker**

Mr Benjamin Leiber

**The BetaCage, an Ultra-sensitive Screener for Surface Contamination**

**Speaker**

Dr Raymond Bunker