

Session Program

10-12 Apr 2013

Low Radioactivity Techniques Workshop - LRT2013

Session 3 - Low background counting techniques

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

Wednesday 10 April

12:10

Session 3 - Low background counting techniques

Session | Location: INFN - Laboratori Nazionali del Gran Sasso, E. Fermi auditorium | **Convener:** Dr Richard Ford

12:10-12:30 Radiopurity control in the NEXT-100 double beta decay experiment

Speaker

Dr SUSANA CEBRIAN

12:30-12:50

The Prototype BetaCage: A prototype time-projection chamber material screener for radioisotope surface contamination

Speaker

Dr Robert Nelson

12:50-13:10

Pattern recognition techniques to reduce backgrounds in the search for the ^{136}Xe double beta decay with gaseous TPCs

Speaker

Dr Francisco Jose Iguaz Gutierrez

13:10-13:30

GERDA Phase II detectors: behind the production and characterisation at low background conditions

Speaker

Werner Maneschg

13:30

15:00

Session 3 - Low background counting techniques

Session |

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

Convener: Dr Richard Ford

15:00-15:20

Evaluation of Ultra-Low Background Materials for U and Th using ICP-MS

Speaker

Eric Hoppe

15:20-15:40

ICP MS measurement of natural radioactivity at LNGS

Speaker

Stefano Nisi

15:40-16:00

Low-level measuring techniques for neutrons: high accuracy neutron source strength determination and fluence rate measurement at an underground laboratory

Speaker

Andreas Zimbal

16:00