

Session Program

8-12 Sept 2025



CTBT: Science and Technology Conference 2025 - Snt2025

P3.2 Radionuclide Technologies and Applications

Hofburg Palace & Online
Hofburg Palace, Vienna, Austria

Wednesday 10 September

11:00

P3.2 Radionuclide Technologies and Applications: e-poster session

Poster Session | Location: Zeremoniensaal | Convener: Mr Ashley Davies

Research on Intelligent Sampling Process for Atmospheric Radioactive Xenon Based on Online Mass Spectrometry

Speaker

Yuqiang Sheng

Role of the radionuclide laboratories in the IMS network

Speaker

Martina Rozmaric

Initial Operational and Processing Experience for Data from the First Commercial Unit of the Xenon International

Speakers

Mr Ashley Davies, Herbert Gohla, Mr Rodrigo Villarreal, Ryan O'Mara

RASA 2.0: A Next Generation Aerosol Sampler/Analyzer Update

Speaker

Mr Harry Miley

Potential Improvements for a Radioxenon Laboratory Measurement System Operation

Speaker

Dr Michael Foxe

Inter-Comparison of FirstLook Detector Performance and Anomalies for State of Health Monitoring in Particulate Radionuclide Monitoring Systems

Speakers

David Hardman, Mr Jonathan Burnett, Joshua Hofman, Dr Richard Britton, Ryan O'Mara

Research and selection of new sorption materials for the sample processing device of the MIKS monitoring system of xenon isotopes

Speaker

Mr Roman Alexandrov

Increasing the resolution of a scintillation detection cell using a diffuse reflective coating and assessment of the retention of performance characteristics during aging of a protective coating made of poly-chloro-para-xylylene

Speaker

Mr Ivan Kruchkov

Long Term Radioxenon Efficiency Calibration Study of Beta-Gamma Detectors

Speaker

Dr Brittany Abromeit

A Continuous and Automatic Argon-37 Monitoring Station

Speaker
Benjamin Asher

First results of world's first Snow White air sampler equipped with LaBr3 detector

Speaker
Mr Peter Bosch

SAUNA III: Lessons Learned

Speaker
Mr Andreas Karlsson

Global and automatic analysis of radionuclides in beta-gamma spectrum.

Speaker
Mr Hugues Paradis

Uncertainties in the SAUNA measurements - calibration revisited

Speakers
Alf Göök, Peter Jansson

Acoustic Agglomeration of Aerosol Particles in Benefit of RASA 2.0

Speaker
Mr Michael E. Swanwick

Array Solutions for Radionuclide Monitoring

Speaker
Ansgar Wehrhahn

INVAP STAX monitor installation at La Reina RR (Santiago, Chile)

Speakers
Dr Eduardo Luis Nassif, Mr Mauro Andres Nuñez

Results of the Automated and Interactive Radionuclide Reports comparison between International Data Centre (IDC) and baseline reports from National Data Centres (NDCs)

Speaker
Ms Dragana Stasic

Development of a multi-detector system for identification of low-activity CTBT-relevant radionuclides

Speaker
Ayrton Jenkins

Calibrating a beta-gamma coincidence detector system for assay of Xe-127

Speaker
Dr Matthew Goodwin

Big Xe sample technology

Speaker
Dr Vladimir Popov

Ultra Sensitive Measurements of Airborne Nuclear Debris

Speaker
Dr Richard Britton

Development of a background model for coincidence gamma-ray spectrometry measurements in radionuclide monitoring

Speakers

Mr Shabir Ahmad Dar, Peter Andersson

High-precision stable xenon isotope ratio measurements of atmospheric samples

Speaker

Hayden Miller

12:00