

Tuesday 28 March

10:25

Radionuclide metrology techniques: 11 Poster contributions

Session | Conveners: Christophe BOBIN, Ryan Fitzgerald

10:25-10:27 Ongoing research at NPL for Radioactive Gas Metrology

Speaker

Dr Steven Bell

10:27-10:29

PRIMARY STANDARDIZATION AND MONTE CARLO MODELLING OF (243Am + 239Pu) BY MEANS OF A 4-PI (PC)- GAMMA COINCIDENCE COUNTING SYSTEM

Speaker

Dr Mauro S. Dias

10:29-10:31

Primary standardization of I-125 in aqueous form using a gamma well counter

Speaker

Ryan Fitzgerald

10:31-10:34 Activity determination of 113Sn by LS methods

Speaker

Dr Justyna Marganiec-Gałązka

10:34-10:36 Primary Internal Gas Counting at NRC

Speaker

Dr James Renaud

10:36-10:38

Commissioning and validation of a high-pressure proportional counting system at ANSTO

Speaker

Dr Michael L. Smith

10:38-10:40 Standardization of Cd-109 by two methods at IFIN-HH

Speaker

Dr Andrei Antohe

10:40-10:42

Activity standardization of 64Cu by $4\pi\beta(\text{LS})\text{-}\gamma$ coincidence and TDCR counting method

Speaker

Mr Agung Agusbudiman

10:42-10:44

 $\alpha\text{-}\gamma$ digital anti-coincidence spectroscopy and its application to activity measurement of 225Ac

Speaker

Dr Takahiro Yamada

10:44-10:47

COMPARISON OF CALIBRATION FACTORS FOR VINTEN IONIZATION CHAMBER SIMULATED USING FOUR MONTE CARLO METHODS

Speaker

Ms Brittany Broder

10:47-10:50

Digital coincidence counting system with $4\pi\beta(\mbox{PPC})\mbox{-}\gamma$ for the standardization of Co-60

Speaker

Ms Minji Han

10:50 11:20

Radionuclide metrology techniques: 4 Oral contributions

Session | Conveners: Christophe BOBIN, Ryan Fitzgerald

11:20-11:40

A bilateral comparison between LNHB and PTB to determine the activity concentration of the same 125I solution

Speaker

Karsten Kossert

11:40-12:00

Implementation of digital selective sampling method (SESAM) on a $4\pi\beta(PC)\text{-}\gamma(NaI)$ system

Speaker

Haoran LIU

12:00-12:20

Standardization of Tc-99m by digitizer-based $4\pi ce(LS)-\gamma$ coincidence counting

Speaker

Dr Marcell Takacs

12:20-12:40

Comparative study of digital electronic systems available at IRA primary laboratory

Speaker

Dr Teresa Duran

12:40

14:10

Radionuclide metrology techniques: 3 Oral contributions

 $\textbf{Session} \hspace{0.1in} | \hspace{0.1in} \textbf{Conveners:} \hspace{0.1in} \textbf{Christophe BOBIN, Ryan Fitzgerald}$

14:10-14:30

Standardization of Rn-222 concentration using the multi-electrode proportional counter

Speaker

Ms Rio Furukawa

14:30-14:50

A Calibration procedure of beta-gamma coincidence measurements using four radioxenon spikes

Speaker

Mr Boxue LIU

14:50-15:10

The standardisation of 125I and 109Cd using gamma-X coincidences via the **National Nuclear Array**

Speaker

Dr Robert Shearman

15:10 15:40

Radionuclide metrology techniques: 1 Oral contribution and ICRM WG **Meeting**

Session | Conveners: Christophe BOBIN, Ryan Fitzgerald

15:40-16:00

Application of inductively coupled plasma tandem mass spectrometry for remeasuring the half life of long lived radionuclides

Speaker

Dr Ben Russell

16:00-17:20 ICRM WG Meeting: Radionuclide Metrology Techniques (RMT)

Speakers

Ryan Fitzgerald, Christophe BOBIN

17:20