Session Program

21–29 Jul 2022



15th International Conference on Nuclear Data for Science and Technology (ND2022)

Integral Measurements

Gather.Town

Wednesday 27 July

06:00

Integral Measurements: I

Session | **Location:** Capitol | **Convener:** Marie-Anne Descalle

06:00–06:24

Outcomes of WPEC SG47 on »Use of Shielding Integral Benchmark Archive and Database for Nuclear Data Validation«

Speaker
Ivan Alexander Kodeli

06:24–06:36

EUCLID: A New Approach to Improve Nuclear Data Coupling Optimized Experiments with Validation using Machine Learning

Speaker
Jesson Hutchinson

06:36–06:48

Use of nickel sphere and copper cube with Cf-252 neutron source in the centre for test of nuclear data library ENDF/B-VII, ENDF/B-VIII, JEFF-3.3, BROND-3.1 and ROSFOND

Speaker
Dr Bohumil Jansky

06:48–07:00

Data Assimilation using Non-invasive Monte Carlo Sensitivity Analysis of Reactor Kinetics Parameters

Speaker
Noah Kleedtke

07:00–07:12

(WITHDRAWN) Automation of Nuclear Data Validation through Integral Benchmarks

Speaker
Cecile Toccoli

07:30

07:45

Integral Measurements: II

Session | **Location:** Capitol | **Convener:** John Bess

07:45–08:09

New Plutonium Critical Experiments to Test Polyethylene and Lucite Thermal Scattering Laws

Speaker
Catherine Percher

08:09–08:21

International criticality benchmark comparison exercise in support of nuclear data validation

Speaker
Mr Nicolas Leclaire

08:21–08:33

New setup for measurement of prompt gammas from neutron interactions.

Speaker
Mr Tomas Czakoj

08:33–08:45 **Comparison of URR Implementations in GNDS Format**

Speaker
Marie-Anne Descalle

08:45–08:57
Measurement of delayed neutrons in a thermal nuclear reactor by means of a long run pile noise experiment in sub-critical state

Speaker
Dr Romain BOFFY

08:57–09:09 **(WITHDRAWN) Using benchmark similarity for more granular validation of nuclear data**

Speaker
Wim Haeck

09:15

11:00

Integral Measurements: III

Session | **Location:** Capitol | **Convener:** Boris Pritychenko

11:00–11:24 **Contributions to Integral Nuclear Data in ICSBEP and IRPhEP since ND 2019**

Speaker
Dr John Bess

11:24–11:36 **Reactivity Worth Measurement of Calcium Hydride Sample in UTR-KINKI Reactor**

Speaker
Mr Takashi Kanda

11:36–11:48 **Analyses of JAEA/FNS iron in-situ experiment with latest nuclear data libraries**

Speaker
Dr Chikara Konno

11:48–12:00
How can a diverse set of integral and semi-integral measurements inform identification of discrepant nuclear data?

Speaker
Alexander Clark

12:30