Session Program

21–29 Jul 2022



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

Facilities

Gather.Town

Tuesday 26 July

06:00

Facilities: I

Session | **Location:** Sutter's Fort | **Convener:** Katelyn Cook

06:00–06:24 **Back-n Facility Status and Recent Nuclear Data Measurements**

Speaker
J. Tang

06:24–06:36
Design, construction, commissioning and early operation of the third-generation n_TOF neutron spallation target at CERN

Speaker
Michael Bacak

06:36–06:48
Status and perspectives of the n_TOF Facility at CERN following the upgrades and consolidation during CERN's Long Shutdown 2

Speaker
Alberto Mengoni

06:48–07:00 **Characterisation of the n_TOF/CERN 185m beam-line after the facility's major upgrades**

Speaker
Michael Bacak

07:00–07:12 **Characterisation of the n_TOF 20 m beam line at CERN with the new spallation target**

Speaker
Jose Antonio Pavon Rodriguez

07:12–07:24 **The n_TOF NEAR Station: Physics case and commissioning**

Speaker
Mrs Elisso Stamati

07:30

09:30

Facilities: II

Session | **Location:** Sutter's Fort | **Convener:** Emilio Andrea Maugeri

09:30–09:54
(WITHDRAWN) Combining DICER and DANCE to Obtain Improved Neutron Cross Sections and Resonance Parameters for Very Small Samples

Speaker
Paul Koehler

09:54–10:06 **New Capabilities of the RPI Gamma-Multiplicity Detector to Measure Gamma Production**

Speaker
Katelyn Cook

10:06–10:18 **Combining neutron/gamma radiography and tomography at CNA**

Speaker
Ms Maria de los Ángeles Millán Callado

10:18–10:30 **GENESIS: A $\gamma-n$ coincident spectrometer for nuclear data inquiry**

Speaker
Josh Brown

10:30–10:42
The new Device for Indirect Capture Experiments on Radionuclides at LANSCE: Efforts on measuring the resonance(s) responsible for the extremely large 88Zr(n,g) cross section

Speaker
Thanos Stamatopoulos

11:00

11:15

Facilities: III

Session | **Location:** Sutter's Fort | **Convener:** Yaron Danon

11:15–11:39 **Improvement of targetry methods for nuclear data measurements**

Speaker
Emilio Andrea Maugeri

11:39–11:51
A next-generation neutron detector with interaction localization capabilities and its application to beta-delayed neutron spectroscopy

Speaker
Noritaka Kitamura

11:51–12:03
Response of nuclear physics detectors to laser-driven neutrons at the PW DRACO laser facility

Speaker
Ms María de los Ángeles Millán Callado

12:03–12:15
Experimental evaluation of energy resolutions for pulsed neutron beam in the KURNS-LINAC

Speaker
Mr Yasunori Matsuo

12:15–12:27 **miniBELEN: a modular neutron long counter for (α,n) reactions**

Speaker
Nil Mont i Geli

12:45

Wednesday 27 July

06:00

Facilities: IV

Session | **Location:** Sutter's Fort | **Convener:** Dr Richard Hughes

06:00–06:24 **Nuclear Data Production System of RAON**

Speaker
Prof. Seung-Woo Hong

06:24–06:36 **Overview of Nuclear Data Production System at RAON**

Speaker
Dr Cheolmin Ham

06:36–06:48 **Neutron monitoring detector system for Nuclear Data Production System of RAON**

Speaker
Mr Dal-Ho Moon

06:48–07:00 **Dead-Time correction method with pulse pile-up rejection for neutron TOF experiments**

Speaker
Atsushi Kimura

07:00–07:12
JRC MONNET - the intense fast-neutron source for fundamental and application-driven research

Speaker
Dr Cristiano Lino Fontana

07:30

07:45

Facilities: V

Session | **Location:** Sutter's Fort | **Convener:** Josh Brown

07:45–08:09 **The Modular Cosmic Ray Detector (MCORD) at physics and astrophysics experiments.**

Speaker
Dr Marcin Bielewicz

08:09–08:21 **Gamma-ray Beamline SLEGS at Shanghai Light Source**

Speaker
Mr Gongtao Fan

08:21–08:33
Laser Compton Slant-scattering and Double Collimator System at SLEGS of Shanghai Light Source

Speaker
Gongtao Fan

08:33–08:45 **Nuclear data at GELINA: from experiment to production and validation of evaluated data**

Speaker
Andreea Oprea

08:45–08:57 **First results of the Neutrons For Science Facility**

Speaker
Xavier Ledoux

08:57–09:09 **Simulation of the neutron-physical characteristics of the subcritical facility Yalina**

Speaker
Ms Tamara Korbut

09:15

11:00

Facilities: VI

Session | **Location:** Sutter's Fort | **Convener:** Marcin Bielewicz

11:00–11:12
Neutron Filtering System for Neutron Capture Cross Section Measurement at the ANNRI beamline of MLF/J-PARC

Speaker
Gerard Rovira Leveroni

11:12–11:24 **UGGLA - a facility designed to measure specific radioactivity of biological samples**

Speaker
Erik Andersson Sundén

11:24–11:36
Charged particle induced reactions on beryllium as a fast neutron source for irradiation experiments

Speaker
Dr Milan Stefanik

11:36–11:48
Time projection chamber for nuclear data measurement at CSNS Back-n white neutron source

Speaker
Han Yi

11:48–12:00 **A new decay station for precision decay spectroscopy at Brookhaven**

Speaker
Elizabeth McCutchan

12:00–12:12
First estimation of the kinetic parameters of LR-0 mock-up reactor in a reference configuration

Speaker
Timothée Kooyman

12:30