Session Program

21–29 Jul 2022



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

Reactor Data

Gather.Town

Monday 25 July

09:30

Reactor Data: I

Session | **Location:** Placerville | **Convener:** Dan Roubtsov

09:30–09:54 **From fission yield measurements to evaluation: correlations of multi-observable analysis**

Speaker
Grégoire Kessedjian

09:54–10:06 **Measurement of the fission yield of ^{136}Cs in the ^{239}Pu(n$_{\text{th}}$,f) reaction and its impact on the total dose rate calculation**

Speaker
Abdelaziz Chebboubi

10:06–10:18 **Gamma ray spectrum measurement from capture reactions of Uranium-238 for thermal and resonance energy neutrons**

Speaker
Yasushi Nauchi

10:18–10:30 **Measurement of 233U-HU Substitution Reactivity Worth in KUCA for Validation of 233U Nuclear Data**

Speaker
Prof. Tadafumi Sano

10:30–10:42 **Fission Cross-section Measurement of U-233 with Time-of-Flight Method at the KURNS-LINAC**

Speaker
Jun-ichi Hori

11:00

11:45

Reactor Data: II

Session | **Location:** Placerville | **Convener:** Robert Mills

11:45–12:09 **Beta spectrum shape studies for the predictions of the antineutrino spectrum from reactors**

Speaker
Gustavo Alcalá

12:09–12:21 **Total absorption beta decay studies for reactor decay heat calculations**

Speaker
A Algora

12:21–12:33 **Neutron cross section measurements for burn-up credit approaches**

Speaker
Carlos Paradela

12:33–12:45 **140,142Ce Neutron Cross Section Resolved Resonance Region Evaluation**

13:15

Speaker
Chris Chapman

Tuesday 26 July

06:00

Reactor Data: III

Session | **Location:** Placerville | **Convener:** Luiz Leal

06:00–06:24

Supplying Accurate Nuclear Data for energy and non-energy Applications – The SANDA Euratom project

Speaker
Dr Enrique M. González Romero

06:24–06:36

Testing the hypothesis of a universal behavior of the cross-section probability tables in the unresolved resonance region

Speaker
Matteo Vorabbi

06:36–06:48

The effect of nuclear data uncertainties and sensitivities on the potential use of uranium nitride fuels in current and future light water reactors.

Speaker
Dr Robert William Mills

06:48–07:00

Update of the CIELO ^{238}U resonance evaluation to improve LWR performance with burnup

Speaker
Roberto Capote

07:00–07:12 **Target Accuracy Requirements for MYRRHA**

Speaker
Pablo Romojaro

07:12–07:24 **Methods for calculating self-shielded multigroup displacement damage cross section**

Speaker
Shengli Chen

07:30

09:30

Reactor Data: IV

Session | **Location:** Placerville | **Convener:** Grégoire Kessedjian

09:30–09:54 **Photo-Disintegration of Deuterium: from Evaluations to Applications**

Speaker
Dr Danila Roubtsov

09:54–10:06 **Resonance Region Evaluation of O16 for Criticality Safety and Reactor Applications**

Speaker
Luiz Leal

10:06–10:18

From ^{232}Th $(n,n'\gamma)$ cross sections to level production and total neutron inelastic scattering cross sections.

Speaker
Nicolas Dari Bako

10:18–10:30

Neutrons propagation in Lead: a feasibility study for experiments in the RSV TAPIRO fast research reactor

Speaker
Mrs Valentina Fabrizio

10:30–10:42

Simultaneous evaluation of uranium and plutonium fast neutron fission cross sections up to 200 MeV for JENDL-5

Speakers
Dr Naohiko Otsuka, Dr Osamu Iwamoto

10:42–10:54 **Theoretical calculation and evaluation for n+239,240,241,242,242m,243,244Am reactions**

Speaker
Yongli Xu

10:54–11:06

Measurement of the delayed-neutron yield and group parameters in the thermal neutron induced fission of 239Pu

Speaker
Pierre Leconte

11:06