Session Program

21–29 Jul 2022



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

Thermal Neutron Scattering Law

Gather.Town

Thursday 28 July

06:00

Thermal Neutron Scattering Law: I

Session | **Location:** Sutter's Fort | **Convener:** Daniel Siefman

06:00–06:24 **Generation of thermal scattering laws with the CINEL code**

Speaker
Gilles Noguere

06:24–06:36
Neutron thermal cross section of organic polymers within the Average Functional Group Approximation

Speaker
Giovanni Romanelli

06:36–06:48 **Development of thermal scattering kernels for sodium hydroxide**

Speaker
Dr Esben Klinkby

06:48–07:00 **New thermal scattering libraries for cold and very-cold neutron sources**

Speaker
Douglas Di Julio

07:00–07:12 **Evaluation of Uranium Carbide Thermal Scattering Law and Cross Sections**

Speaker
Mr Jonathan P. W. Crozier

07:12–07:24 **Effects of Hydrogen Bonding on Nuclear Data Development of Liquid Anhydrous HF**

Speaker
Dr Tanvir Ahmed

07:30

07:50

Thermal Neutron Scattering Law: II

Session | **Location:** Sutter's Fort | **Convener:** Ayman Hawari

07:50–08:14 **Experimental validation of thermal scattering evaluations**

Speaker
Yaron Danon

08:14–08:26 **Pulsed-Neutron Die-Away Experiments for Plastics**

Speaker
Dr Daniel Siefman

08:26–08:38
Thermal scattering law for ice based on neutron time-of-flight experiments carried out at the SEQUOIA spectrometer at the Oak Ridge National Laboratory

Speaker
Dr Vaibhav Jaiswal

08:38–08:50 **Zirconium Hydride Thermal Scattering Law Data**

Speaker
Andrej Trkov

08:50–09:02
Advanced Modeling and Simulation Methods for Evaluation of Thermal Neutron Scattering Materials

Speaker
Chris Chapman

09:02–09:14
(WITHDRAWN) Thermal neutron experiments and calculations on cryogenic Ethane. II: Solid Ethane

Speaker
Dr Florencia Cantargi

09:20

09:40

Thermal Neutron Scattering Law: III

Session | **Location:** Sutter's Fort | **Convener:** Giovanni Romanelli

09:40–10:04 **Development of new library of thermal scattering kernels using the NJOY+NCrystal tool**

Speaker
Jose Ignacio Marquez Damian

10:04–10:16 **NCrystal : an open source library for thermal neutron transport**

Speaker
Thomas Kittelmann

10:16–10:28 **FLASSH 1.0: Thermal Scattering Law Evaluation and Cross Section Generation**

Speaker
Dr N. Colby Fleming

10:28–10:40 **Methods for processing and use of thermal neutron scattering data in OpenMC**

Speaker
Paul Romano

10:40–10:52
Study on the generation method of thermal neutron scattering law data in nuclear data processing code NECP-Atlas

Speaker
Mr Yongqiang Tang

11:10