



Oak Ridge National Laboratory
1 Bethel Valley Road
Oak Ridge, Tennessee 37830



Subject: Attend IAEA Consultancy meeting
Date: 04/09/2021
To: Dr. Angela Chambers, Nuclear Criticality Safety Program Manager, National Nuclear Security Administration / NA-511
From: Dorothea Wiarda

Meeting Title: Consultancy Meeting on model code output & application nuclear data form structure

Meeting Location: Online only

Meeting Date: 15-17 March 2021

Attendees on behalf of NCSP:

Dorothea Wiarda

Meeting Purpose:

The purpose of the event is to assess the actual capabilities, successfully deployed methods, tools and protocols, future needs in terms of model code output and application nuclear data form structure with the aim of testing/prototyping/developing and deploying cutting-edge nuclear data form structure to support high-fidelity Multiphysics simulation efforts. A partnership between fundamental sciences and applications, along the lines of PREPRO, CRECTJ6, FUDGE, TAGNDS, TARES, DeCE, TEFAL, GIDI, MCGIDI.

Meeting Benefits to the NCSP:

Participate in the community discussions concerning the best output formats for the ORNL maintained processing codes (AMPX) and evaluation code (SAMMY). In addition to make sure that the output can be such the it can be used in the wider community to make sure the investment of the NCSP is useful to the nuclear data community.

Purpose of Travel:

Participate in the discussion on how to share and use nuclear data and the output from processing codes and evaluation tools.

Persons Contacted at Meeting:

See list of participants in attachment

Presentations, Chair Responsibilities, Etc.



Gave a present about the SAMMY and AMPX regarding the current and future use of GNDS and future enhancements to SAMMY,

Distribution:

Angela Chambers, anagela.chambers@nnsa.doe.gov

Doug Bowen, bowendg@ornl.gov

Marsha Henley, henleym@ornl.gov

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Consultancy Meeting on model code output & application nuclear data form structure

15-17 March 2021

Europe/Vienna timezone





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- Contact
-  C.Monfero@iaea.org
 -  j.c.sublet@iaea.org

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Starts 15 Mar 2021, 14:00
Ends 17 Mar 2021, 18:30

[jean-christophe sublet](#)

-  [screenshot1.png](#)
-  [screenshot5.png](#)
-  [screenshot6.png](#)
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The call for abstracts is open


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Timetable

Mon 15/03
Tue 16/03
Wed 17/03
All days

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Mon 15/3



14:00	Welcoming address – Arjan Koning, SH-NDS <div style="text-align: right;">14:00 - 14:15</div>
	J.-Ch. Sublet (IAEA) "AnDFS white paper" <div style="text-align: right;"><i>Dr Jean-Christophe SUBLET</i> </div> <div style="text-align: right;">14:15 - 14:45</div>
	T. Kawano (LANL) "DeCe: the ENDF-6 data interface and nuclear evaluation assist code" <div style="text-align: right;"><i>Dr Toshihiko Kawano</i> </div>
15:00	<div style="text-align: right;">14:45 - 15:15</div> O. Iwamoto (JAEA) "output of the CCONE code and creation of ENDF-6 format file" <div style="text-align: right;"><i>Dr Osamu Iwamoto</i> </div>
	<div style="text-align: right;">15:15 - 15:45</div> D. Wiarda (ORNL) " Status of GNDS support in AMPX/SAMMY and future outlook" <div style="text-align: right;"><i>Dr Dorothea Wiarda</i> </div>
16:00	<div style="text-align: right;">15:45 - 16:15</div> K. Tada (JAEA) "Handling the evaluated data format and ACE format in FRENDY" <div style="text-align: right;"><i>Dr Kenichi Tada</i> </div>
	<div style="text-align: right;">16:15 - 16:45</div>
17:00	C. Mattoon (LLNL) FUDGE and GNDS: an overview <div style="text-align: right;"><i>Dr Mattoon Caleb</i> </div>
	<div style="text-align: right;">17:00 - 17:30</div>

Tue 16/3

14:00	D. Rochman (PSI) "Resonance's form and format: TARES Inside"	<i>Dr Dimitri Rochman</i>	
			14:00 - 14:30
	A. Koning (IAEA) " TENDL: completeness and limitations of the ENDF-6 format"	<i>Dr Arjan Koning</i>	
			14:30 - 15:00
15:00	Z. Ge (CIAE) "Utilities of Nuclear data library at CNDC"	<i>Dr Zhigang Ge</i>	
			15:00 - 15:30
	G. Chiba (Hokkaido Univ.) CBZ: the deterministic reactor physics code system	<i>Dr Go Chiba</i>	
			15:30 - 16:00
16:00	P. Romano (ANL) "OpenMC's Nuclear Data Pipeline and HDF5 Format"	<i>Dr Paul Romano</i>	
			16:00 - 16:30
	B. Beck (LLNL) GIDI+ API support for GNDS: current status and future plans	<i>Dr Bret Beck</i>	
			16:30 - 17:00
17:00			

Wed 17/3

14:00	I. Thompson (LLNL) "Tools using GNDS for the inter-conversion of inputs and outputs for R-matrix codes"	<i>Dr Ian Thompson</i>	
			14:00 - 14:30
	T. Ogawa "Recent Needs From Transport Codes"	<i>Tatsuhiko Ogawa</i>	
			14:30 - 15:00
15:00	J. Shimwell (UKAEA) "Nuclear data processing with OpenMC"	<i>Dr Jonathan Shimwell</i>	
			15:00 - 15:30
	D. Griesheimer (NNL) Nuclear Data Needs for High-Fidelity Reactor Multiphysics Calculations	<i>Dr David Griesheimer</i>	
			15:30 - 16:00
16:00	J.-Ch. Sublet (IAEA) "GNDS, ENDF, HENDF, PENDF, GENDF, ANISO, ACE data forms and format"	<i>Dr Jean-Christophe SUBLET</i>	
			16:00 - 16:30
	G. Noguere (CEA) From nuclear model parameters to neutronic simulation with the CONRAD and LAST codes	<i>Dr Gilles Noguere</i>	
			16:30 - 17:00
17:00	W. Haeck, "Nuclear data components in NJOY21"	<i>Wim Haeck</i>	
			17:00 - 17:30

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Participant List

24 participants

First Name	Last Name	Affiliation	Country	Email Address
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