

Naval Nuclear Laboratory PO Box 79, West Mifflin, PA 15122

SUBJECT:	Report on Foreign Travel to Paris, France
DATE:	June 28, 2022
TO:	Dr. Angela Chambers, Nuclear Criticality Safety Program Manager, National Nuclear
	Security Administration / NA-511
FROM:	M. L. Zerkle, NDAG Chair, Naval Nuclear Laboratory

MEETING TITLE:

2022 Working Party for International Nuclear Data Evaluation Co-operation (WPEC)

MEETING LOCATION:

OECD Conference Center, Paris, France

MEETING DATES:

May 10-13, 2022

ATTENDEES ON BEHALF OF NCSP: [Only 1 report from the institution for ALL attendees]

M. L. Zerkle

MEETING PURPOSE:

The purpose of the meeting is to coordinate international co-operation on nuclear data related topics. Dr. Zerkle attended the EG-GNDS (generalized nuclear data structure), SG47 (ND validation using SINBAD), SG48 (thermal neutron scattering), EG HPRL (ND high priority request list), SG46 (use of IE for ND validation) subgroup and expert group meetings, and the 34rd WPEC meeting.

MEETING BENEFITS TO THE NCSP:

Participation in the annual WPEC meeting at OECD/NEA provides the NCSP the opportunity to remain current on topics related to nuclear data measurement, evaluation, and validation. It also provides the NCSP the opportunity to arrange technical collaborations with international experts that support NCSP interest related to nuclear data.

PURPOSE OF TRAVEL

Coordinate international nuclear data measurement, evaluation, and validation work efforts.

Persons Contacted at OECD

Michael Fleming (OECD/NEA) Ian Hill (OECD/NEA)



Presentations, Chair Responsibilities, Etc.:

Dr. Zerkle gave one presentation in SG48:

1. M. L. Zerkle, J. L. Wormald, J. C. Holmes, M. Rapp, A. Daskalakis, D. Barry, "Update on NNL TSL Validation Efforts," 2022 WPEC Meeting, SG48, Paris, France, May 11, 2022

The presentation summarized the use of the NCSP funded sub-thermal neutron transmission capability at the RPI LINAC to validate the ENDF/B-VIII.0 Be(metal) TSL evaluation. The minor discrepancies in the energies of the Bragg edges that were observed were feedback to the TSL evaluator at NCSU and used to inform an updated Be(metal) evaluation for ENDF/B-VIII.1 that resolved the discrepancy, closing the measurement/evaluation/validation feedback loop. Additional planned CY2022 sub-thermal neutron transmission measurements and a preview of new NNL TSL evaluations were also discussed.

Distribution:

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