

Workshop for Applied Nuclear Data Activities (WANDA 2022) [FINAL]

Report of Contributions

Contribution ID: 8

Type: **not specified**

What applications utilize these data, and what are the data needs?

Wednesday, 2 March 2022 12:32 (5 minutes)

Presenter: MILLER (DHS/CWMD), Cameron

Session Classification: Session Four

Contribution ID: 9

Type: **not specified**

What applications utilize these data, and what are the data needs?

Wednesday, 2 March 2022 12:37 (15 minutes)

Presenter: QUITER (LBNL), Brian

Session Classification: Session Four

Contribution ID: **10**

Type: **not specified**

Cargo Inspection Applications and Needs

Wednesday, 2 March 2022 12:52 (15 minutes)

Presenter: BENDAHAN , Joseph

Session Classification: Session Four

Contribution ID: 11

Type: **not specified**

Cross Section Measurements of Photonuclear Reaction Pathways Towards Promising Medical Radioisotopes

Wednesday, 2 March 2022 13:07 (15 minutes)

Presenter: AHMED (NCCU), Mohammad

Session Classification: Session Four

Contribution ID: 12

Type: **not specified**

Available Photonuclear Reaction Data and Libraries, and Evaluation Method

Wednesday, 2 March 2022 13:30 (20 minutes)

Presenter: KAWANO (LANL), Toshihiko

Session Classification: Session Four

Contribution ID: 13

Type: **not specified**

Overview of Photon-induced Nuclear Reaction Research at the HIGS Facility

Wednesday, 2 March 2022 13:50 (15 minutes)

Presenter: WU (DUKE), Ying

Session Classification: Session Four

Contribution ID: 14

Type: **not specified**

Brief Overview on Facilities for Photonuclear Reactions in Europe

Wednesday, 2 March 2022 14:05 (15 minutes)

Presenter: PIETRALLA (TUD), Norbert

Session Classification: Session Four

Contribution ID: **16**

Type: **not specified**

Discussion and Summary

Wednesday, 2 March 2022 14:20 (25 minutes)

Session Classification: Session Four

Contribution ID: 17

Type: **not specified**

What theoretical capabilities or developments are needed for evaluations?

Wednesday, 2 March 2022 14:55 (20 minutes)

Presenter: ORMAND (LLNL, RETIRED), Erich

Session Classification: Session Four

Contribution ID: **18**

Type: **not specified**

Processing photo-nuclear and photo-atomic data in NJOY

Wednesday, 2 March 2022 15:15 (15 minutes)

Presenter: HAECK (LANL), Wim

Session Classification: Session Four

Contribution ID: **19**

Type: **not specified**

Photonuclear and photoatomic data for transport codes using GNDS, FUDGE and GIDI+

Wednesday, 2 March 2022 15:30 (5 minutes)

Presenter: MATTOON (LLNL), Caleb

Session Classification: Session Four

Contribution ID: 20

Type: **not specified**

Photonuclear Physics Options in the MCNP6 Transport Code

Wednesday, 2 March 2022 15:35 (10 minutes)

Presenter: RISING (LANL), Michael

Session Classification: Session Four

Contribution ID: 21

Type: **not specified**

Geant4 gamma transport

Wednesday, 2 March 2022 15:45 (10 minutes)

Presenter: IVANTCHENKO (CERN), Vladimir

Session Classification: Session Four

Contribution ID: 22

Type: **not specified**

Discussion and Summary

Wednesday, 2 March 2022 15:55 (35 minutes)

Session Classification: Session Four

Contribution ID: 23

Type: **not specified**

Introduction to Nuclear Data Adjustment

Thursday, 3 March 2022 12:30 (15 minutes)

Presenter: CASPERSON (LLNL), Robert

Session Classification: Session Six

Contribution ID: 24

Type: **not specified**

Context of Adjustment & Session Overview

Thursday, 3 March 2022 12:50 (10 minutes)

Presenter: NEUDECKER (LANL), Denise

Session Classification: Session Six

Contribution ID: 25

Type: **not specified**

Discussion on Adjustment

Thursday, 3 March 2022 13:00 (5 minutes)

Session Classification: Session Six

Contribution ID: 26

Type: **not specified**

A Review of the Nuclear Data Adjustment Activities within WPEC Sub-groups

Thursday, 3 March 2022 13:05 (15 minutes)

Presenter: CABELLOS (UPM), Oscar

Session Classification: Session Six

Contribution ID: 27

Type: **not specified**

Nuclear Data Uncertainties and its Impact on Design Margins and Advanced Reactor Licensing

Thursday, 3 March 2022 13:20 (15 minutes)

Presenter: DRZEWIECKI (NRC), Timothy

Session Classification: Session Six

Contribution ID: 28

Type: **not specified**

Nuclear Data Adjustment with Whisper for Criticality Safety Applications

Thursday, 3 March 2022 13:35 (15 minutes)

Presenter: RISING (LANL), Michael

Session Classification: Session Six

Contribution ID: 29

Type: **not specified**

EUCLID Adjustment Including Multiple Integral Responses

Thursday, 3 March 2022 13:50 (15 minutes)

Presenter: HUTCHINSON (LANL), Jesson

Session Classification: Session Six

Contribution ID: **30**

Type: **not specified**

Discussion on Use Cases

Thursday, 3 March 2022 14:05 (25 minutes)

Session Classification: Session Six

Contribution ID: 31

Type: **not specified**

Stumbling Blocks, Needs and Available Resources for Creating Adjusted Libraries

Thursday, 3 March 2022 14:45 (10 minutes)

Presenter: LEWIS (NNL), Amanda

Session Classification: Session Six

Contribution ID: 32

Type: **not specified**

Better Data for Better Models: Evolving Needs for Nuclear Data Adjustment

Thursday, 3 March 2022 14:55 (10 minutes)

Presenter: HILL (NEA), Ian

Session Classification: Session Six

Contribution ID: 33

Type: **not specified**

Not All Integral Benchmarks are Created Equal: Words of Caution for Data Adjusters

Thursday, 3 March 2022 15:05 (10 minutes)

Presenter: PERCHER (LLNL), Catherine

Session Classification: Session Six

Contribution ID: 34

Type: **not specified**

Challenges for Data Adjustment and Bias Quantification

Thursday, 3 March 2022 15:15 (10 minutes)

Presenter: MARSHALL (ORNL), BJ

Session Classification: Session Six

Contribution ID: 35

Type: **not specified**

Discussion on Stumbling Blocks and Needs

Thursday, 3 March 2022 15:35 (25 minutes)

Session Classification: Session Six

Contribution ID: 36

Type: **not specified**

Discussion on what should go in summary document

Thursday, 3 March 2022 16:00 (30 minutes)

Session Classification: Session Six

Contribution ID: 37

Type: **not specified**

Logistical introduction

Tuesday, 1 March 2022 12:30 (5 minutes)

Presenter: VOGT (LLNL/UC DAVIS), Ramona

Session Classification: Session Two

Contribution ID: **38**

Type: **not specified**

Technical introduction

Tuesday, 1 March 2022 12:35 (20 minutes)

Presenter: CUCINOTTA (UNLV), Francis

Session Classification: Session Two

Contribution ID: 39

Type: **not specified**

DDFRG: Double Differential FRaGmentation models for proton and light ion production in high energy nuclear collisions: Closed-form, analytic formulas for transport codes and other applications

Tuesday, 1 March 2022 12:55 (25 minutes)

Presenter: NORBURY (NASA), John

Session Classification: Session Two

Contribution ID: 40

Type: **not specified**

Code-based modeling

Tuesday, 1 March 2022 13:20 (15 minutes)

Presenter: LIN (ECU), Zi-Wei

Session Classification: Session Two

Contribution ID: 41

Type: **not specified**

Spacecraft-based modeling

Tuesday, 1 March 2022 13:35 (15 minutes)

Presenter: JUN (NASA/JPL), Insoo

Session Classification: Session Two

Contribution ID: 42

Type: **not specified**

Modeling Panel Discussion

Tuesday, 1 March 2022 13:50 (10 minutes)

Presenters: JUN (NASA/JPL), Insoo; NORBURY (NASA, John; LIN (ECU), Zi-Wei

Session Classification: Session Two

Contribution ID: 43

Type: **not specified**

ESA/NASA/GSI database

Tuesday, 1 March 2022 14:00 (15 minutes)

Presenter: LUONI (GSI), Francesca

Session Classification: Session Two

Contribution ID: 44

Type: **not specified**

US Nuclear Data Program databases

Tuesday, 1 March 2022 14:15 (10 minutes)

Presenter: BROWN (NNDC/BNL), David

Session Classification: Session Two

Contribution ID: 45

Type: **not specified**

Databases Panel Discussion

Tuesday, 1 March 2022 14:25 (10 minutes)

Presenters: BROWN (NNNDC/BNL), David; LUONI (GSI), Francesca

Session Classification: Session Two

Contribution ID: 46

Type: **not specified**

US facilities (except RHIC)

Tuesday, 1 March 2022 14:50 (15 minutes)

Presenter: LABEL (SSAI (NASA) AND KBR WYLE (JHU/APL)) , Ken

Session Classification: Session Two

Contribution ID: 47

Type: **not specified**

European facilities

Tuesday, 1 March 2022 15:05 (15 minutes)

Presenter: PESCE (ESA), Anastasia

Session Classification: Session Two

Contribution ID: 48

Type: **not specified**

RHIC

Tuesday, 1 March 2022 15:20 (8 minutes)

Presenter: CEBRA (UC DAVIS), Daniel

Session Classification: Session Two

Contribution ID: 49

Type: **not specified**

Experimental Panel Discussion

Tuesday, 1 March 2022 15:28 (12 minutes)

Presenters: PESCE (ESA), Anastasia; CEBRA (UC DAVIS), Daneil; LABEL (KBR WYLE/SSAI), Ken; PHAIR (LBNL), Larry

Session Classification: Session Two

Contribution ID: 50

Type: **not specified**

Introduction to applications

Tuesday, 1 March 2022 15:40 (5 minutes)

Presenter: SMITH (ORNL), Michael

Session Classification: Session Two

Contribution ID: 51

Type: **not specified**

Semiconductors

Tuesday, 1 March 2022 15:45 (15 minutes)

Presenter: REED (VU), Robert

Session Classification: Session Two

Contribution ID: 54

Type: **not specified**

Applications Panel Discussion

Tuesday, 1 March 2022 16:10 (15 minutes)

Presenters: PHAIR (LBNL), Larry; REMMES, Nicholas (Mayo); REED (VU), Robert; GARCIA ALIA (CERN), Ruben

Session Classification: Session Two

Contribution ID: 55

Type: **not specified**

Summary and Final Questions and Comments

Tuesday, 1 March 2022 16:30 (5 minutes)

Session Classification: Session Two

Contribution ID: 56

Type: **not specified**

Welcome Introduction

Wednesday, 2 March 2022 07:30 (10 minutes)

Session Classification: Session Three

Contribution ID: 57

Type: **not specified**

Technical Overview

Wednesday, 2 March 2022 07:40 (20 minutes)

Presenter: BAHADORI (KSU), Amir

Session Classification: Session Three

Contribution ID: 58

Type: **not specified**

Secondary Neutron Production

Wednesday, 2 March 2022 08:00 (15 minutes)

Presenter: RATLIFF (HVL), Hunter

Session Classification: Session Three

Contribution ID: 59

Type: **not specified**

Secondary Neutron Modeling

Wednesday, 2 March 2022 08:15 (15 minutes)

Presenter: SLABA (NASA), Tony

Session Classification: Session Three

Contribution ID: **60**

Type: **not specified**

Discussion

Wednesday, 2 March 2022 08:30 (20 minutes)

Session Classification: Session Three

Contribution ID: 61

Type: **not specified**

Benchmarking the accuracy of (n,n' γ) cross section libraries: Application to Planetary Nuclear Spectroscopy

Wednesday, 2 March 2022 09:00 (15 minutes)

Presenter: PEPELOWSKI (JHU/APL), Patrick

Session Classification: Session Three

Contribution ID: 62

Type: **not specified**

Smart, Efficient Neutron Detection on the Moon and Mars

Wednesday, 2 March 2022 09:15 (15 minutes)

Presenter: STILLMAN (SWRI), David

Session Classification: Session Three

Contribution ID: 63

Type: **not specified**

Needs for Neutron Data Relevant to Deep-Space Missions

Wednesday, 2 March 2022 09:30 (15 minutes)

Presenter: ZEITLIN, Cary

Session Classification: Session Three

Contribution ID: **64**

Type: **not specified**

Discussion

Wednesday, 2 March 2022 10:00 (20 minutes)

Session Classification: Session Three

Contribution ID: 65

Type: **not specified**

Electronic Effects

Wednesday, 2 March 2022 10:30 (15 minutes)

Presenter: TBD

Session Classification: Session Three

Contribution ID: 67

Type: **not specified**

Submitted Talks

Wednesday, 2 March 2022 10:45 (15 minutes)

Session Classification: Session Three

Contribution ID: **68**

Type: **not specified**

Discussion

Wednesday, 2 March 2022 11:00 (20 minutes)

Session Classification: Session Three

Contribution ID: **69**

Type: **not specified**

Session summary

Wednesday, 2 March 2022 11:20 (10 minutes)

Session Classification: Session Three

Contribution ID: 70

Type: **not specified**

WANDA 2022 Welcome

Monday, 28 February 2022 07:30 (15 minutes)

WANDA opening remarks

Presenter: KOLOS (LNNL), Kay (LLNL)

Session Classification: Opening Plenary

Contribution ID: 72

Type: **not specified**

Safeguards Technology Development Program DOE/NNSA NA-241 Nonproliferation and Arms Control (NPAC)

Monday, 28 February 2022 12:45 (20 minutes)

Presenter: DOUGAN (NNSA), Arden

Session Classification: Opening Plenary

Contribution ID: 73

Type: **not specified**

Senior Program Manager, Office of Nuclear Forensics (NA-83) Counter Terrorism & Counter Proliferation (NA-80)

Monday, 28 February 2022 11:15 (20 minutes)

Presenter: ASHENFELTER (NNSA), Timothy (DOE/NNSA)

Session Classification: Opening Plenary

Contribution ID: 74

Type: **not specified**

Nuclear Data Program Manager Physics Research Division, SC-36.1

Monday, 28 February 2022 08:05 (20 minutes)

Presenter: JANKOWSKI (DOE), Keith (DOE Office of Science, Nuclear Physics)

Session Classification: Opening Plenary

Contribution ID: 75

Type: **not specified**

Nuclear Criticality Safety Program

Monday, 28 February 2022 12:05 (20 minutes)

Presenter: BOWEN (ORNL), Douglas (Oak Ridge National Laboratory)

Session Classification: Opening Plenary

Contribution ID: 76

Type: **not specified**

DOE Office of Nuclear Energy

Monday, 28 February 2022 10:15 (20 minutes)

Presenter: HENDERSON (DOE), David (DOE)

Session Classification: Opening Plenary

Contribution ID: 77

Type: **not specified**

Defense Nuclear Nonproliferation R&D Program Manager - Nuclear Data Objective

Monday, 28 February 2022 09:15 (25 minutes)

Presenter: MATTERS, David (NNSA NA-221)

Session Classification: Opening Plenary

Contribution ID: 78

Type: **not specified**

Cross-Section Evaluation Working Group (CSEWG) Overview

Monday, 28 February 2022 15:35 (25 minutes)

Presenter: BROWN (BNL/NNDC), David (BNL/NNDC)

Session Classification: Opening Plenary

Contribution ID: 79

Type: **not specified**

Department of Energy, Nuclear Physics

Monday, 28 February 2022 07:45 (20 minutes)

Presenter: HALLMAN (DOE), Tim (Department of Energy, Nuclear Physics)

Session Classification: Opening Plenary

Contribution ID: **80**

Type: **not specified**

Nuclear Data Working Group Review & Highlights

Monday, 28 February 2022 15:15 (20 minutes)

Presenter: ROMANO, Catherine (IB3 Global Solutions)

Session Classification: Opening Plenary

Contribution ID: **81**

Type: **not specified**

SCALE Covariance Approach

Thursday, 3 March 2022 15:25 (10 minutes)

Presenter: WIARDA (ORNL), Doro

Session Classification: Session Six

Contribution ID: 82

Type: **not specified**

National Nuclear Security Administration

Monday, 28 February 2022 10:55 (20 minutes)

Presenter: CALDWELL, Tod (NNSA)

Session Classification: Opening Plenary

Contribution ID: 83

Type: **not specified**

Importance of “Stopping Power” in Assessing Material Damage

Thursday, 3 March 2022 07:35 (20 minutes)

Presenter: GRIFFIN (SNL), Patrick

Session Classification: Session Five

Contribution ID: 84

Type: **not specified**

Electronic stopping power of ions in matter: current status of the experimental data, and the theoretical and numerical descriptions

Thursday, 3 March 2022 07:55 (20 minutes)

Presenter: MONTANARI (UBA), Claudia

Session Classification: Session Five

Contribution ID: 85

Type: **not specified**

Heavy ion stopping power data needs for fission product mass yield measurements

Thursday, 3 March 2022 08:15 (15 minutes)

Presenter: HECHT (UNM), Adam

Session Classification: Session Five

Contribution ID: 86

Type: **not specified**

4He Stopping Cross Sections:(α ,n) Yields for Nuclear Applications

Thursday, 3 March 2022 08:30 (15 minutes)

Presenters: CROFT (LU), Stephen; Dr FAVALLI, Andrea (EC, JRC, Ispra (Italy))

Session Classification: Session Five

Contribution ID: 87

Type: **not specified**

Measurements of ion-electron energy-transfer cross section in High Energy Density Plasmas

Thursday, 3 March 2022 08:45 (15 minutes)

Presenter: ADRIAN (MIT), Patrick

Session Classification: Session Five

Contribution ID: **88**

Type: **not specified**

Data Needs for Particle Therapy

Thursday, 3 March 2022 09:00 (15 minutes)

Presenter: KEPPEL (JLAB), Cynthia

Session Classification: Session Five

Contribution ID: 89

Type: **not specified**

LET of Recoil Ions in Space Flight Electronics

Thursday, 3 March 2022 09:30 (20 minutes)

Presenter: OSHERHOFF (NASA), Jason

Session Classification: Session Five

Contribution ID: 90

Type: **not specified**

The Berkeley Accelerator Space Effects (BASE) Facility

Thursday, 3 March 2022 09:50 (20 minutes)

Presenter: JOHNSON (LBNL), Michael

Session Classification: Session Five

Contribution ID: 91

Type: **not specified**

Impact of Proton-Induced Fission Fragments on SEE: Community Need for Nuclear Data

Thursday, 3 March 2022 10:10 (20 minutes)

Presenter: TURFLINGER (AERO), Tom

Session Classification: Session Five

Contribution ID: 92

Type: **not specified**

Stopping Power in ion beam therapy and biology: Bragg additivity, collective effects, and wakes

Thursday, 3 March 2022 10:30 (20 minutes)

Presenter: OBCEMEA (NCI), Ceferino

Session Classification: Session Five

Contribution ID: **93**

Type: **not specified**

Discussion

Thursday, 3 March 2022 10:50 (40 minutes)

Session Classification: Session Five

Contribution ID: 94

Type: **not specified**

Nuclear Data Interests of the Nuclear Forensics Research Community

Monday, 28 February 2022 14:05 (20 minutes)

Presenter: KIESS (NNSA), Thomas E. (NNSA Director, Office of Nuclear Detonation Detection)

Session Classification: Opening Plenary

Contribution ID: 95

Type: **not specified**

Defense Threat Reduction Agency

Monday, 28 February 2022 10:35 (20 minutes)

Presenter: INGRAHAM (DTRA), Joanna (Defense Threat Reduction Agency)

Session Classification: Opening Plenary

Contribution ID: 96

Type: **not specified**

Measurements of Independent Fission Product Yields

Friday, 4 March 2022 09:15 (15 minutes)

Presenter: SNYDER (LLNL), Luke (Lawrence Livermore National Laboratory)

Session Classification: Closing Plenary

Contribution ID: 97

Type: **not specified**

Modernization and Optimization of the Evaluated Nuclear Structure Data File

Friday, 4 March 2022 10:00 (15 minutes)

Presenter: MCCUTCHAN (BNL), Elizabeth (Brookhaven National Laboratory)

Session Classification: Closing Plenary

Contribution ID: 98

Type: **not specified**

Improving the $^{238}\text{U}(n,n')$ cross section using neutron-gamma coincidences

Friday, 4 March 2022 08:15 (15 minutes)

Presenter: BERSTEIN (LBL), Lee (Lawrence Berkeley National Laboratory)

Session Classification: Closing Plenary

Contribution ID: 99

Type: **not specified**

Neutron Scattering Cross Sections: (n,n'), (n,n'g), and (n,g) Measurements

Friday, 4 March 2022 10:15 (15 minutes)

Presenter: VANHOY (USNA), Jeff

Session Classification: Closing Plenary

Contribution ID: **100**

Type: **not specified**

Energy Dependent Fission Product Yields

Friday, 4 March 2022 09:45 (15 minutes)

Presenter: SILANO (LLNL), Jack (Lawrence Livermore National Laboratory)

Session Classification: Closing Plenary

Contribution ID: **101**

Type: **not specified**

Evaluation of Energy Dependent Fission Product Yields

Friday, 4 March 2022 08:45 (15 minutes)

Presenter: KAWANO (LANL), Toshihiko

Session Classification: Closing Plenary

Contribution ID: **102**

Type: **not specified**

Integral Measurements of Independent and Cumulative Fission Product Yields Supporting Nuclear Forensics and Other Applications

Friday, 4 March 2022 08:30 (15 minutes)

Presenter: BREDEWEG (LANL), Todd (Los Alamos National Laboratory)

Session Classification: Closing Plenary

Contribution ID: **103**

Type: **not specified**

Overview on reactions on unstable nuclei for applications

Tuesday, 1 March 2022 07:30 (20 minutes)

Presenter: RESSLER (LLNL), Jo

Session Classification: Session One

Contribution ID: **104**

Type: **not specified**

First and direct measurements on Ni-56 and Ni-59 with fast neutrons at LANSCE

Tuesday, 1 March 2022 07:50 (20 minutes)

Presenter: KUVIN (LANL), Sean

Session Classification: Session One

Contribution ID: **105**

Type: **not specified**

Reaction studies on unstable nuclei at NIF for Stewardship Science

Tuesday, 1 March 2022 08:10 (20 minutes)

Presenter: DESPOTOPULOS (LLNL), John

Session Classification: Session One

Contribution ID: **106**

Type: **not specified**

Enabling direct reaction studies with very small, highly radioactive targets

Tuesday, 1 March 2022 08:30 (20 minutes)

Presenter: DIGIOVINE (LANL), Brad

Session Classification: Session One

Contribution ID: **107**

Type: **not specified**

Separation of unstable isotopes from irradiated targets in hot cells and their characterization

Tuesday, 1 March 2022 08:50 (15 minutes)

Presenter: MOCKO (LANL), Veronika

Session Classification: Session One

Contribution ID: **108**

Type: **not specified**

Overview on reactions on unstable nuclei for astrophysics at FRIB

Tuesday, 1 March 2022 09:20 (20 minutes)

Presenter: SCHATZ (JINA/MSU), Hendrik

Session Classification: Session One

Contribution ID: **109**

Type: **not specified**

Overview on theoretical effort for indirect reaction studies

Tuesday, 1 March 2022 09:40 (20 minutes)

Presenter: ESCHER (LLNL), Jutta

Session Classification: Session One

Contribution ID: **110**

Type: **not specified**

Beta-Oslo measurements for neutron capture reactions

Tuesday, 1 March 2022 10:00 (20 minutes)

Presenter: LIDDICK (MSU), Sean

Session Classification: Session One

Contribution ID: 111

Type: **not specified**

Surrogate measurements for reactions on unstable nuclei

Tuesday, 1 March 2022 10:20 (20 minutes)

Presenter: RATKIEWICZ (LLNL), Andrew

Session Classification: Session One

Contribution ID: 112

Type: **not specified**

Development of new capabilities for the measurement of (p,n) reactions with unstable nuclei at FRIB using ReA and SECAR

Tuesday, 1 March 2022 10:40 (15 minutes)

Presenter: PERDIKAKIS (CMU/JINA), Georgios

Session Classification: Session One

Contribution ID: 113

Type: **not specified**

Reaction study using radioactive beams on neutron target, “measuring impossible reaction rates”

Tuesday, 1 March 2022 10:55 (15 minutes)

Presenter: MOSBY (LANL), Shea

Session Classification: Session One

Contribution ID: 114

Type: **not specified**

Discussion to solicit community input on “Reactions on Unstable Nuclei”; New development/coordination in specific reactions, radioactive target R&Ds, optimized detectors,unstable nuclear data evaluation...;

Tuesday, 1 March 2022 11:10 (20 minutes)

Presenters: SEVERIN (MSU), Greg; LEE (LANL), Hye Young; DESPOTOPULOS (LLNL), John; BATCHELDER (UC BERKELEY), Jon

Session Classification: Session One

Contribution ID: **115**

Type: **not specified**

Introduction

Wednesday, 2 March 2022 12:30 (2 minutes)

Presenter: BECK (LLNL), Bret

Session Classification: Session Four

Contribution ID: **116**

Type: **not specified**

NP Perspectives on Advancing the Nuclear Data Pipeline

Thursday, 3 March 2022 12:45 (5 minutes)

Presenter: JANKOWSKI (DOE), Keith

Session Classification: Session Six

Contribution ID: **117**

Type: **not specified**

Welcome

Thursday, 3 March 2022 07:30 (5 minutes)

Session Classification: Session Five

Contribution ID: **118**

Type: **not specified**

Overview of the Needs for Nuclear Structure & Nuclear Astrophysics Applications

Monday, 28 February 2022 08:25 (20 minutes)

Presenter: STEPHENSON, Sharon (DOE NP)

Session Classification: Opening Plenary

Contribution ID: **119**

Type: **not specified**

The Space Radiation Environment and its Impact on Space Systems

Monday, 28 February 2022 08:45 (30 minutes)

Presenter: O'BRIEN, Paul (Aero)

Session Classification: Opening Plenary

Contribution ID: **120**

Type: **not specified**

Defense Nuclear Nonproliferation R&D: Near-field Detection

Monday, 28 February 2022 09:40 (20 minutes)

Presenter: ZHU, Hongguo (Hank) (NNSA)

Session Classification: Opening Plenary

Contribution ID: **121**

Type: **not specified**

Safeguards NA-22

Monday, 28 February 2022 12:25 (20 minutes)

Presenter: RAMOS, Christopher (NNSA)

Session Classification: Opening Plenary

Contribution ID: 122

Type: **not specified**

The DOE Isotope Program Annual Update and Perspective on Nuclear Data

Monday, 28 February 2022 13:05 (30 minutes)

Presenter: BALKIN, Ethan (DOE IP)

Session Classification: Opening Plenary

Contribution ID: 123

Type: **not specified**

Countering Weapons of Mass Destruction Data Needs

Monday, 28 February 2022 13:50 (15 minutes)

Presenter: MILLER, Cameron (DHS)

Session Classification: Opening Plenary

Contribution ID: 124

Type: **not specified**

Nuclear data needs for human space radiation shielding

Monday, 28 February 2022 14:25 (30 minutes)

Presenter: NORBURY, John (NASA)

Session Classification: Opening Plenary

Contribution ID: 125

Type: **not specified**

Novel Approach for Improving Antineutrino Spectra Predictions for Nonproliferation Applications

Friday, 4 March 2022 07:30 (15 minutes)

Presenter: KONDEV, Filip (ANL)

Session Classification: Closing Plenary

Contribution ID: 126

Type: **not specified**

Improving the Nuclear Data on Fission Product Decays at CARIBU

Friday, 4 March 2022 07:45 (15 minutes)

Presenter: HOFF, Daniel (LLNL)

Session Classification: Closing Plenary

Contribution ID: 127

Type: **not specified**

Beta-strength function, reactor decay heat, and anti-neutrino properties from total absorption spectroscopy of fission fragments

Friday, 4 March 2022 08:00 (15 minutes)

Presenter: RYKACZEWSKI, Krzysztof (ORNL)

Session Classification: Closing Plenary

Contribution ID: **128**

Type: **not specified**

Independent Fission Product Yields from 0.5 to 20 MeV

Friday, 4 March 2022 09:30 (15 minutes)

Presenter: WINKELBAUER, Jack (LANL)

Session Classification: Closing Plenary

Contribution ID: **130**

Type: **not specified**

Session One Summary: Reactions on Unstable Nuclei

Friday, 4 March 2022 11:30 (20 minutes)

Session Classification: Closing Plenary

Contribution ID: 131

Type: **not specified**

Session Two Summary: Nuclear Data for High Energy Ion Interactions and Secondary Particle Production

Friday, 4 March 2022 11:50 (20 minutes)

Session Classification: Closing Plenary

Contribution ID: 132

Type: **not specified**

Session Three Summary: Neutrons as Secondary Particles and Their Interactions with Matter

Friday, 4 March 2022 12:10 (20 minutes)

Presenter: Dr HEILBRONN, Lawrence (University of Tennessee)

Session Classification: Closing Plenary

Contribution ID: 133

Type: **not specified**

Session Four Summary: Photon Reactions and Transport

Friday, 4 March 2022 12:50 (20 minutes)

Session Classification: Closing Plenary

Contribution ID: 134

Type: **not specified**

Session Five Summary: Stopping Powers, Energy Deposition and Dose

Friday, 4 March 2022 12:30 (20 minutes)

Session Classification: Closing Plenary

Contribution ID: 135

Type: **not specified**

Session Six Summary: Nuclear Data adjustments and Impact on Applications

Friday, 4 March 2022 13:10 (20 minutes)

Session Classification: Closing Plenary

Contribution ID: **136**

Type: **not specified**

Closing Remarks/Open Discussion

Friday, 4 March 2022 13:30 (30 minutes)

Session Classification: Closing Plenary

Contribution ID: 139

Type: **not specified**

Missile Defense Agency Overview

Monday, 28 February 2022 14:55 (20 minutes)

Presenter: BULK, Tom (MDA)

Session Classification: Opening Plenary

Contribution ID: 140

Type: **not specified**

Advanced Neutron Spectrometer on the International Space Station (ANS ISS)

Wednesday, 2 March 2022 09:45 (15 minutes)

Presenter: CHRISTL (NASA), Mark

Session Classification: Session Three

Contribution ID: **141**

Type: **not specified**

Importance of nuclear models and Monte Carlo tools for radiation effects simulations

Tuesday, 1 March 2022 16:25 (5 minutes)

Presenter: GARCIA ALLA, Ruben

Session Classification: Session Two