

ISNET-11: Information and Statistics in Nuclear Experiment and Theory

Report of Contributions

Contribution ID: **62**

Type: **not specified**

ISNET Introduction

Monday 17 November 2025 09:15 (45 minutes)

Presenters: LOVELL, Amy (Los Alamos National Laboratory); EKSTRÖM, Andreas (Chalmers University of Technology)

Contribution ID: **91**

Type: **not specified**

Closing remarks

Friday 21 November 2025 11:00 (45 minutes)

Presenter: PHILLIPS, Daniel (Ohio University)

Contribution ID: **92**

Type: **not specified**

Welcome to the ECT*

Monday 17 November 2025 09:00 (15 minutes)

Presenter: TRIANTAFYLLOPOULOS, Dionysios (ECT*, Italy)

Contribution ID: **121**

Type: **not specified**

The East Lansing Model: towards an optical potential for rare isotopes

Tuesday 18 November 2025 11:00 (45 minutes)

Presenter: BEYER, Kyle (Facility for Rare Isotope Beams, Michigan State University)

Contribution ID: **122**

Type: **Junior talk**

Bayesian Analysis of the Coulomb Breakup of 19C

Tuesday 18 November 2025 13:45 (30 minutes)

Presenter: BOZET, Quentin (JGU Mainz)

Contribution ID: **123**

Type: **Junior talk**

Overestimation of Uncertainty with Bayesian Parameter Estimation

Wednesday 19 November 2025 13:45 (30 minutes)

Presenter: CARTER, Nathan (George Washington University)

Contribution ID: 124

Type: **Junior talk**

Data-driven Approach for Interpolation of Sparse Data

Monday 17 November 2025 14:00 (30 minutes)

Presenter: FERGUSON, Ryan (University of Glasgow)

Contribution ID: 125

Type: **not specified**

Predictive nuclear structure modeling

Wednesday 19 November 2025 11:00 (45 minutes)

Presenter: FORSSÉN, Christian (Chalmers)

Contribution ID: **126**

Type: **not specified**

Meeting nuclear challenges with RBM emulators

Monday 17 November 2025 11:15 (45 minutes)

Presenter: FURNSTAHL, Richard (Ohio State University)

Contribution ID: 127

Type: **not specified**

Probing many-body nuclear correlations through multi-particle correlations in high-energy nuclear collisions

Thursday 20 November 2025 14:45 (45 minutes)

Presenter: GIACALONE, Giuliano (CERN)

Contribution ID: **128**

Type: **not specified**

Efficient Bayesian Model Combination With pybmc

Wednesday 19 November 2025 14:45 (45 minutes)

Presenter: GODBEY, Kyle (Facility for Rare Isotope Beams / Michigan State University)

Contribution ID: **129**

Type: **Junior talk**

Uncertainty quantification for the nuclear equation of state in β -equilibrium

Monday 17 November 2025 14:30 (30 minutes)

Presenter: GÖTTLING, Hannah (TU Darmstadt)

Contribution ID: **130**

Type: **not specified**

Model bias and parameter optimisation with the example of INCL/ABLA

Thursday 20 November 2025 16:00 (45 minutes)

Presenter: HIRTZ, Jason (CEA Saclay)

Contribution ID: **131**

Type: **not specified**

Bayesian framework for model-data comparison with theoretical uncertainty quantification

Tuesday 18 November 2025 14:45 (45 minutes)

Presenter: JAISWAL, Sunil (Ohio State University)

Contribution ID: **132**

Type: **not specified**

A data-driven approach to nuclear structure research and teaching

Thursday 20 November 2025 11:45 (45 minutes)

Presenter: JENKINS, David (University of York)

Contribution ID: 133

Type: **not specified**

Post-Bayesian Inference

Monday 17 November 2025 10:00 (45 minutes)

Presenter: KNOBLAUCH, Jeremias (UCL)

Contribution ID: 134

Type: **not specified**

Quantifying statistical and systematic uncertainties in the Oslo method

Wednesday 19 November 2025 16:00 (45 minutes)

Presenter: LARSEN, Ann-Cecilie (University of Oslo)

Contribution ID: 135

Type: **not specified**

Nuclei and nuclear matter with neural-network quantum states

Thursday 20 November 2025 09:45 (45 minutes)

Presenter: LOVATO, Alessandro (Argonne National Laboratory & INFN-TIFPA)

Contribution ID: **136**

Type: **Junior talk**

Hierarchical Bayesian Unfolding in the Oslo Method

Tuesday 18 November 2025 14:15 (30 minutes)

Presenter: MJØS, Andreas Halkjelsvik (University of Oslo)

Contribution ID: **137**

Type: **not specified**

Uncertainty quantification in nuclear reactions

Tuesday 18 November 2025 09:45 (45 minutes)

Presenter: NUNES, Filomena (Michigan State University)

Contribution ID: **138**

Type: **not specified**

Microscopic Modeling and Data Evaluation of Nuclear Fission

Friday 21 November 2025 09:45 (45 minutes)

Presenter: PEI, Junchen (Peking University)

Contribution ID: **139**

Type: **Junior talk**

Uncertainties with low-resolution nuclear forces

Wednesday 19 November 2025 14:15 (30 minutes)

Presenter: PLIES, Tom (TU Darmstadt)

Contribution ID: **140**

Type: **not specified**

Bayesian Model Mixing, Bayesian Trees and Experimental Design

Wednesday 19 November 2025 09:45 (45 minutes)

Presenter: PRATOLA, Matthew (Indiana University)

Contribution ID: **141**

Type: **not specified**

Bridging language and numerics in nuclear data evaluation

Thursday 20 November 2025 11:00 (45 minutes)

Presenter: SCHNABEL, Georg (IAEA)

Contribution ID: 142

Type: **not specified**

Uncertainty quantification for medium-mass nuclei and the nuclear equation of state

Wednesday 19 November 2025 11:45 (45 minutes)

Presenter: SCHWENK, Achim (TU Darmstadt)

Contribution ID: 143

Type: **Junior talk**

Microscopic constraints for the equation of state and structure of neutron stars: a Bayesian model mixing framework

Thursday 20 November 2025 14:15 (30 minutes)

Presenter: SEMPOSKI, Alexandra (Ohio University)

Contribution ID: 144

Type: **not specified**

Bayesian Inference of QGP properties from the RHIC Beam Energy Scan Program

Monday 17 November 2025 12:00 (45 minutes)

Presenter: SHEN, Chun (Wayne State University)

Contribution ID: 145

Type: **Junior talk**

Propagating optical model uncertainty through compound nucleus calculations

Thursday 20 November 2025 13:45 (30 minutes)

Presenter: SULLIVAN, Samuel (University of Surrey)

Contribution ID: **146**

Type: **not specified**

Designing Computer Experiments for Calibration

Friday 21 November 2025 09:00 (45 minutes)

Presenter: SURER, Ozge (Miami University)

Contribution ID: 147

Type: **not specified**

Truncation errors in many-body perturbation theory and inference of three-nucleon couplings from neutron-star data

Tuesday 18 November 2025 11:45 (45 minutes)

Presenter: Dr SVENSSON, Isak (TU Darmstadt)

Contribution ID: **148**

Type: **not specified**

Emulators for Open Quantum Systems

Monday 17 November 2025 15:00 (45 minutes)

Presenter: WANG, Simin (Fudan University)

Contribution ID: **149**

Type: **not specified**

There Are No Stupid Questions (I)

Tuesday 18 November 2025 09:00 (45 minutes)

Presenters: PHILLIPS, Daniel (Ohio University); FURNSTAHL, Richard (Ohio State University)

Contribution ID: **150**

Type: **Regular talk**

There Are No Stupid Questions (II)

Wednesday 19 November 2025 09:00 (45 minutes)

Slides on GP diagnostics, particularly in the context of the use of GPs to assess EFT truncation-error uncertainty.

Presenters: PHILLIPS, Daniel (Ohio University); FURNSTAHL, Richard (Ohio State University)

Contribution ID: **151**

Type: **not specified**

There Are No Stupid Questions (III)

Thursday 20 November 2025 09:00 (45 minutes)

Presenters: PHILLIPS, Daniel (Ohio University); FURNSTAHL, Richard (Ohio State University)