Session Program

28-31 Oct 2025

US Nuclear Data Program Annual Meeting 2025

Nuclear structure codes, policies & procedures

Building 490, Large Conference Room
Brookhaven National Laboratory Upton, NY 11973 USA

Tuesday 28 October

02:15

Nuclear structure codes, policies & procedures
Session | **Location:** Building 490, Large Conference Room, Brookhaven National Laboratory Upton, NY 11973 USA

14:00–14:15 **Welcome**

Speakers
Alejandro Sonzogni, David Brown

14:15–14:45 **Negative effective q-values in B-decay**

Speaker
Filip Kondev

14:45–15:00

Gamma-ray intensities from fitting full response functions vs. peak fitting

Speaker
John Kelley

15:00–15:10 **Treatment of firm L-transfer assignments based on poor DWBA fit**

Speaker
Jun Chen

15:10–15:25

Comments on Spectroscopic Factors from an Astrophysical Perspective

Speaker
Lijie Sun

15:25–15:55 **Break**

15:55–16:10 **Deduced beta feeding using GTOL and GLSC codes**

Speaker
Shamsuzzoha Basunia

16:10–16:20 **Brief update on level decay branching ratios in ENSDF**

Speaker
John Kelley

16:20–16:35 **Conversion coefficients for transitions with an E0 component**

Speaker
Shamsuzzoha Basunia

16:35–16:45

Assignment of gamma-intensity uncertainties based on authors' general statement

Speaker
Jun Chen

16:45–16:55 **Transition Width**

17:00 **Speaker**
John Kelley

Wednesday 29 October

09:00

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09:00–09:20 **Beta-shape**

Speaker
Xavier Mougeot

09:20–09:50 **Update on codes**

Speaker
Jun Chen

09:50–10:05 **Optimizing Context for AI-Assisted ENSDF Formatting**

Speaker
Lijie Sun

10:05–10:25 **Break**

10:25–10:55 **AI/ML tools and AI/ML readiness**

Speaker
Xihaier Luo

10:55–12:00

How can AI/ML be more integrated into the compilation and evaluation proceedures

12:00