## Proposal to APS/DNP for Nuclear Data Mini-symposium

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## Steps

- Find a sponsor
- Justify the timeliness of a mini-symposium
- Propose a non-binding list of proposed speakers.
- Organizing committee votes

## Dear Hendrik,

- At the past U.S. Nuclear Data Program (USNDP) meeting, I was nominated to look into organizing a mini-symposium on nuclear data evaluation activities at the DNP meeting in Newport News. A similar session was organized a few years ago by David Winchell. Pursuant to our phone conversation, I include here a few words on the timeliness of such a mini-symposium, and a slightly optimistic view of what abstracts could be submitted.
- I believe that the recent release of ENDF-BVII should motivate the invited speaker, and I would suggest either Mark Chadwick, or Toshihiko Kawano from LANL. This is the first full update of the ENDF database in roughly 15 years, and the improvements appear significant. See the December issue of Nuclear Data Sheets for details. I could easily see two or three more talks connected with the ENDF database that would report on future plans to include covariance information, how users can easily access and visualize evaluated cross section data, and what reactions are considered cross section standard reactions.
- In addition to talks from within the USNDP, it is recognized that the Nuclear Astrophysics community is producing evaluated reaction rate databases (both inside/and outside the USNDP). Nuclear astrophysics represents an active community with broad interests in various types of evaluated nuclear reaction and nuclear structure data. Below I listed one reasonably likely talk from ORNL, I would hope additional astrophysics overview talks on key resonances, uncertainties in key reaction rates, etc. would be submitted.
- I finished by listing two talks from nuclear physics research areas that are funded with sizeable fractions of the US nuclear physics budgets, but that have no mechanism in place for compiling or storing evaluated nuclear from their key results (form factors, etc.); it would be great if a dialog could be started that would result in a formal mechanism to evaluate and disseminate those evaluated data to the masses.

Sincerely,

John

## **Proposed Talks**

The Evaluated Nuclear reaction Data File ENDF/B-VII Mark Chadwick (LANL) Cross-section Covariance Data: How well do we know the uncertainties in our uncertainties? Pavel Oblozinsky (BNL) Overview of neutron cross section standards Alan Carlson (NIST) Using the Nuclear and Atomic Data display Systems – NADS Dennis McNabb (LLNL) Services of the National Nuclear Data Center Boris Pritychenko (BNL) The origin of the Nuclear Wallet Cards and other Evaluated Nuclear Structure Data. Jagdish Tuli (BNL) A Global Re-Evaluation of Spectroscopic Factors from Particle Transfer Reactions Betty Tsang (MSU) New Results from the Decay Data Evaluation Project (DDEP) Filip Kondev (ANL) Tools and Resources for Nuclear Astrophysics Data Michael Smith (ORNL) Present and Future Needs for Evaluation and Storage of Fundamental Physics Data Results from JLAB Present and Future Needs for Evaluation and Storage of Fundamental Physics Data Results from RHIC