



User Forum

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User Forum

Goals:

- Increase communication between data and user communities.
- Develop future products/programs and improve current ones.
- First user forum in 2005, M. Carpenter (ANL), P. Cottle (FSU), I.Y. Lee (LBNL), J. Millener (BNL)
- 2nd forum in 2006, C. Baktash (ORNL), G. de France (GANIL), A. Mengoni (IAEA), B. Tsang (MSU)

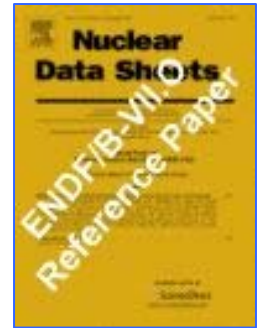
Products and Initiatives

ENDF/B-VII.0

www.nndc.bnl.gov/endl/

Core nuclear reaction database containing recommended data released in December 2007. It covers all nuclides of practical relevance (for neutrons up to 20 MeV and partly up to 150 MeV. It serves as principal input for neutronics calculations, including nuclear reactor design and operation, accelerator design, radiation protection, radiotherapy, and detector simulation.

Reaction rates and cross sections for astrophysics



CSISRS aka EXFOR

www.nndc.bnl.gov/exfor/

Experimental nuclear reaction data for incident neutrons, charged particles, and photons..

Sigma

www.nndc.bnl.gov/sigma/

Easy access to cross section data including advanced plotting and retrieval options.

ENSDF

www.nndc.bnl.gov/ensdf/

Core nuclear structure and decay database containing comprehensive evaluated (recommended) data for 3,020 nuclides. Nearly 50 contributors to it worldwide.

NSR

www.nndc.bnl.gov/nsr/

Bibliographical nuclear physics information containing 191,000 nuclear science articles, indexed according to content. It spans almost 100 years of research, and currently covers about 80 journals.

NuDat

www.nndc.bnl.gov/nudat2/

Friendly access to nuclear structure and decay data from ENSDF

XUNDL

www.nndc.bnl.gov/ensdf/

Experimental nuclear structure and decay data

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Talks

- ❑ *Nuclear Astrophysics at the Ignition Facility* – **Richard Boyd** – Lawrence Livermore National Laboratory
- ❑ *Current Status of REACLIB*, **Richard Cyburt** – Joint Institute for Nuclear Astrophysics
- ❑ *The UNEDF Project in Nuclear Structure Theory* – **George Bertsch**, University of Washington
- ❑ *Nuclear Structure Physics Research in Jyvaskyla*, **Heikki Penttila**, University of Jyvaskyla

Comments will be greatly appreciated
Ending with a general discussion