

Summary of DNP Workshop and Mini-Symposium

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Science

Emerging Needs for Nuclear Data

Emerging Needs for Nuclear Data

www.nndc.bnl.gov/dnp2011/

National Nuclear Data Center

The Joint Institute for Nuclear Astrophysics
www.JINAweb.org

Search the NNDC:

2011 Fall DNP Meeting

Emerging Needs for Nuclear Data

Registered Attendees

Venue & Transportation

DNP Venue & Transportation

Workshop Venue

Hotels

Kellogg Center & East Lansing Marriott at University Place

Visiting East Lansing, MI

Visitor Information

Local Weather

Need Help

Mini-Symposium Coordinator:
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Emerging Needs for Nuclear Data

Nuclear data is used by several communities and plays a critical role in many applications. It is important to broaden the scope of data usage and engage the larger nuclear physics community. To this end, we have organized this set of Nuclear Data Meetings during and after the 2011 Division of Nuclear Physics (DNP) meeting in East Lansing, MI October 26-29 with an emphasis on nuclear data physics:

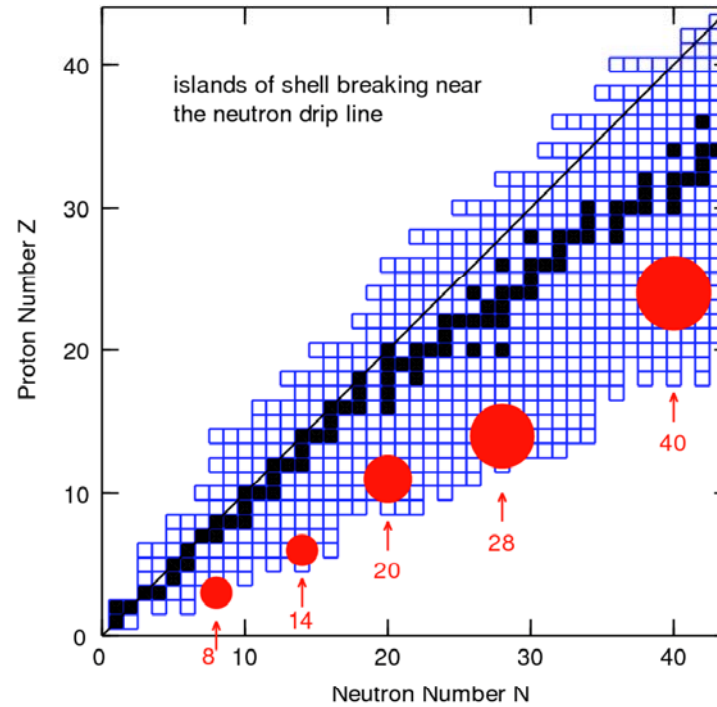
1. DNP Mini-symposium entitled "Emerging Needs for Nuclear Data": Saturday, October 29 morning, during the DNP meeting, we will be holding a broad-scope session of talks to discuss the various aspects of nuclear data. Goals include attracting people from various fields ranging from astrophysics to industry. Our main purpose is to bring to the forefront nuclear data uses and needs, as well as highlighting overlap between the fields.
 - 8:30-10:30 am [Session 1](#)
 - 10:30-12:30 am [Session 2](#)
2. Follow-up satellite workshop: We would like to follow-up the DNP events with a more concentrated effort to work out how the different fields can work together. Answering what the data needs of the communities are, and what resources and tools are available and yet needed for the communities. The meeting will have the following basic [structure](#).
 - Saturday, October 29: Welcome & Opening Sessions
 - 2:30 - 4:00 pm Session 1: Introduction & Goals
 - 4:00 - 4:30 pm Afternoon Break
 - 4:30 - 6:00 pm Session 2: Nuclear Data I (experiment)
 - 6:00 - 8:00 pm Working Opening Reception

Emerging Needs for Nuclear Data

- 3 groups of users outside USNDP&CSEWG, who are interested in nuclear data: nuclear astrophysics, nuclear theory & nucleon-resonance phenomena (light-hadron spectroscopy)
- We deal with different types of data, approaches for nuclear physics needs
- There are many things that we can learn from each other and physics community
- **We all met for the first time in one place!!!**

Satellite Workshop

LC



Alex Brown, Oct 30, 2011

Satellite Workshop Discussion (Goals + Dialog)

- Data formats: Nuclear Structure, RIPL, XML, XUNDL, data readers
- Interdisciplinary collaborations: New contacts between nuclear data & theory + possible collaborations
- NNDC Web for code storage, Gforge server for calculated results
- Wish list: What data do we need? Isospin?

Conclusion & Outlook

- DNP2011 Mini-symposium "Emerging Needs for Nuclear Data" & Satellite Workshop helped to understand the data needs and trends
- We will see more interaction between nuclear data and physics communities
- NNDC computer resources will be used for storage and dissemination of codes and calculations
- Another meeting during ND2013??
- Many thanks to R. Cyburt, H. Schatz, B. Sherrill, M. Thoennessen & Michigan State University Staff