

## Coordinating Committee Summary

The Coordinating Committee reviewed the work of the first meeting of the U.S. Nuclear Data Program. The committee endorsed organizational structure developed at the March meeting of the Program's "Principal Investigators" at Lawrence Berkeley National Laboratory. The committee agreed to the following assignments, at least through the next meeting.

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|--------------------|---------|--|
| 1) Charles Dunford | (BNL)   | Chairman of the Coordinating Committee                         |
| 2) Richard Helmer  | (INEEL) | Chairman of the Nuclear Structure and Decay Data Working Group |
| 3) Mark Chadwick   | (LANL)  | Chairman of the Nuclear Reaction Working Group                 |
| 4) Eric Norman     | (LBNL)  | Chairman of the Data Dissemination Working Group               |

One Task Force on Nuclear Astrophysics Data was identified. It was formed prior to the meeting and is chaired by Michael Smith (ORNL).

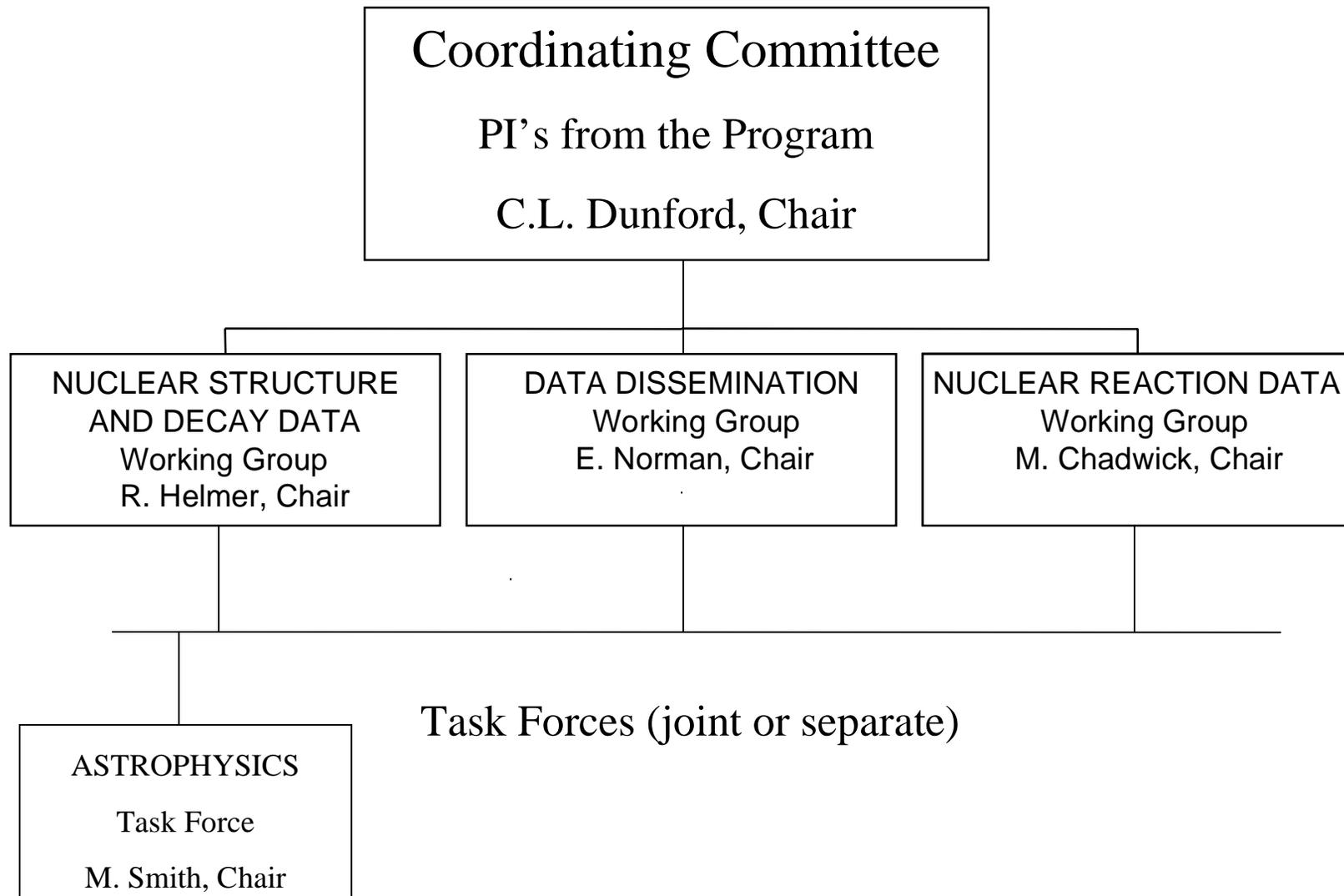
The committee endorsed the manner in which the meeting was conducted and felt that the meeting goals had been largely fulfilled. Future meetings of the USNDP will be held annually following the current format. The next meeting should be held in early April 1999 at Brookhaven National Laboratory. Working Groups and Task Forces will meet whenever necessary between annual program meetings as determined by their chairs.

Four of the six members of the USNDP Steering Committee participated in this meeting. They were Walter Henning, Chair (ANL), Mark Chadwick (ANL), Thomas Glasmacher (MSU), and Peter Parker (Yale). The participants welcomed the chance to interact with these Steering Committee members and urge that the Steering Committee be represented at future meetings. Two members of the USNDP Coordinating Committee, Charles Dunford and Eric Norman, will attend meetings of the Steering Committee.

The committee felt that proper planning is essential to the success of new undertakings in the work of the USNDP. They agreed that the kind of meeting between the potential user community and the USNDP professionals as exemplified by the recent San Jose meeting on nuclear data for astrophysics is the best way to plan such new ventures. In a similar vein, it was agreed that before initiating a new "horizontal" evaluation, a work plan will be submitted to the USNDP for review. The plan should state the scope of the effort, the resources required, and how the data would be integrated into the USNDP's master data bases.

The Data Dissemination Working Group took some initial steps toward integrating the data dissemination activities of the Program. These included the organization of access to program products through a common web page; the commitment to review existing dissemination activities and products; and the desire to implement cooperative projects between groups in the program. Much more work needs to be done to address the "duplication of work" issues raised by both the Paul/Parker Panel and the Steering Committee.

# Nuclear Data Program Organization



# Nuclear Data Program Meeting 1998

## Brookhaven National Laboratory

### April 27-29, 1998

#### AGENDA

**DATE: Monday, April 27, 1998**

**LOCATION: Berkner Hall, Room B**

TIME	
08:30	Opening Remarks by:  <b>Dr. Robert A. Bari,</b> Chairman of the Department of Advanced Technology at BNL <b>Dr. Walter Henning,</b> Chairman USNDP Steering Committee, ANL <b>Dr. Charles L. Dunford,</b> Chairman of the Coordinating Committee Working Group Chairs
10:30	<u>Reaction and Structure</u> (in parallel)
12:30	Lunch Break
13:30	<u>Reaction and Structure</u> (in parallel)
17:30	Dinner Break
19:30	<u>Reaction and Structure</u> (in parallel)
22:00	End of Day (or until completion)

**DATE: Tuesday, April 28, 1998**

**LOCATION: Berkner Hall, Room B**

TIME	
09:00	Reports from Reaction and Structure Chairs
10:00	<u>Dissemination</u>
12:30	Lunch Break
13:30	<u>Dissemination</u>
17:30	Dinner Break
19:30	<u>Dissemination</u>
22:00	End of Day (or until completion)

**DATE: Wednesday, April 29, 1998**

**LOCATION: Berkner Hall, Room B**

TIME	
09:00	Coordinating Committee
12:00	Wrap Up and Closing

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## Detailed Agenda

### Nuclear Reaction Data Working Group Mark Chadwick (LANL) - Chair

10 minutes	1. Opening <ul style="list-style-type: none"><li>– Comments by the chair</li><li>– Agenda revisions</li></ul>
20 minutes	2. Progress since the Golden, Colorado meeting
60 minutes	3. Resources for maintenance of the reaction data base(s) <ul style="list-style-type: none"><li>– People, skills, interests</li><li>– Domestic and foreign collaborations</li></ul>
120 minutes	4. Basic Research needs and Working Group response <ul style="list-style-type: none"><li>– Astrophysics</li><li>– Radioactive ion beam facilities</li><li>– Medical</li><li>– Heavy-ion beam data</li></ul>
30 minutes	5. Applied technology needs and Working Group response <ul style="list-style-type: none"><li>– Spallation neutron sources</li><li>– Accelerator driven systems</li><li>– Stockpile stewardship</li><li>– Other</li></ul>
90 minutes	6. Evaluation methods and tools <ul style="list-style-type: none"><li>– Current activities</li><li>– Future work</li></ul>
90 minutes	7. Nuclear reaction data <ul style="list-style-type: none"><li>– Standards</li><li>– Measurement needs</li><li>– Archiving experimental data, requirements and priorities</li><li>– Archiving evaluated data in the ENDF system</li></ul>
45 minutes	8. Recommendations for future work <ul style="list-style-type: none"><li>– Division of responsibilities</li></ul>
45 minutes	9. Interaction with Dissemination Working Group <ul style="list-style-type: none"><li>– Reaction data dissemination needs</li></ul>
<b>Total time allocated is 8.5 hours</b>	

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**Nuclear Structure and Decay Data Working Group  
Richard Helmer (INEEL) - Chair**

10 minutes	1. Opening – Comments by the chair – Agenda revisions?
80 minutes	2. Brief center reports
90 minutes	3. Organization of evaluation activity – Priority determination – Improved currency – Endt and Van der Leun mass region – Agreed responsibilities
60 minutes	4. User needs and specialized evaluations – Decay data – Superdeformed bands – Nuclear moments – Astrophysics – Integration of results into the ENSDF data base
120 minutes	5. ENSDF formats and procedures – Logft and ICC – Ionized atoms – Averaging data – Year 2000 implications – Format changes – Processing and checking codes
15 minutes	6. Nuclear Science References
30 minutes	7. ENSDF data base – Need for an experimental data base – Relationship of specialized data bases to ENSDF
30 minutes	8. Preparation for Vienna meeting in December
45 minutes	9. Recommendations for future work
45 minutes	10. Interaction with Dissemination Working Group – Structure and decay data dissemination needs
<b>Total time allocated is 8.75 hours.</b>	

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**Nuclear Data Dissemination Working Group  
Eric Norman (LBNL) - Chair**

10 minutes	1. Opening – Comments by the chair – Agenda revisions?
20 minutes	2. Goals of Dissemination Working Group
150 minutes	3. Center Reports on Dissemination Activities and Usage
60 minutes	4. Dissemination Needs – Reactions Group – Structure & Decay Group
60 minutes	5. Dissemination Methods – CD-ROM – Internet
60 minutes	6. Method of Work within Dissemination Group
60 minutes	7. Coordination of Activities
60 minutes	8. Plan of Action
<b>Total time allocated is 8 hours</b>	

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**Nuclear Data Program Meeting 1998****ATTENDEES LIST**

<b>Name</b>	<b>Affiliation</b>
Yurdanur A. Akovali	Oak Ridge National Laboratory
Agda Artna-Cohen	Oak Ridge National Laboratory
Coral M. Baglin	Lawrence Berkeley National Laboratory
Robert A. Bari	Brookhaven National Laboratory
Mulki R. Bhat	Brookhaven National Laboratory
Thomas W. Burrows	Brookhaven National Laboratory
Allan D. Carlson	National Institute of Standards & Technology
Mark B. Chadwick	Los Alamos National Laboratory
Frank Chu	Lawrence Berkeley National Laboratory
Charles L. Dunford	Brookhaven National Laboratory
Richard B. Firestone	Lawrence Berkeley National Laboratory
Thomas Glasmacher	Michigan State University
Steven M. Grimes	Ohio University
Robert C. Haight	Los Alamos National Laboratory
Gerald M. Hale	Los Alamos National Laboratory
Richard G. Helmer	Idaho National Engineering and Environmental Laboratory
Walter F. Henning	Argonne National Laboratory
John H. Kelley	Triangle Universities Nuclear Laboratory
Robert R. Kinsey	Brookhaven National Laboratory
Robert E. MacFarlane	Los Alamos National Laboratory
Victoria McLane	Brookhaven National Laboratory
Eric B. Norman	E.O. Lawrence Berkeley National Laboratory
Pavel Oblozinsky	International Atomic Energy Agency
Peter Parker	Yale University
Charles W. Reich	Idaho National Engineering and Environmental Laboratory
Balraj Singh	McMaster University
Donald L. Smith	Argonne National Laboratory
Michael S. Smith	Oak Ridge National Laboratory
Craig Stone	San Jose State University
David R. Tilley	North Carolina State University and TUNL
Jagdish K. Tuli	Brookhaven National Laboratory
Constance K. (Kalbach) Walker	Triangle Universities Nuclear Laboratory
David F. Winchell	Brookhaven National Laboratory