

NSAC Meeting Welcome

David Hertzog, Chair

November 2, 2018

- **Conceptual Agenda:**

- Reports from Agencies / Information on Budgets
- Presentation of new Charges and Discussion
 - Mo-99, COV, QIS
- Invited talks on LRP Progress and other key Priorities
 - *NAS: An Assessment of U.S.-Based Electron-Ion Collider Science*
 - QIS and Nuclear Physics

- **Reminder:** The Nuclear Science Advisory Committee provides advice when asked, and responds to charges when given.

Who we are in 2018

Mei Bai

Nuclear Physics Institute
Forschungszentrum Jülich

Helen Caines

Yale University

David Dean

(2018 APS ex-Officio)
Physics Division
Oak Ridge National Laboratory

Jozef Dudek

College of William and Mary

Olga Evdokimov

University of Illinois, Chicago

Lynn Francesconi

(2018 ACS ex-Officio)
Hunter College

George Fuller

University of California

Geoffrey Greene

University of Tennessee

Kawtar Hafidi

Argonne

David Hertzog (Chair)

University of Washington

Kate Jones

University of Tennessee

Silvia Jurisson

University of Missouri

Cynthia Keppel

Jefferson Lab

Yury Kolomensky

University of California

Suzanne Lapi

(2018 SNMMI ex-Officio)
Department of Radiology
University of Alabama

Zein-Eddine Meziani

Physics Division
Argonne National Laboratory

Jeffrey Nico

NIST

Daniel Phillips

Ohio University

Sofia Quaglioni

Livermore

Krishna Rajagopal

MIT

Artemis Spyrou

Michigan State University

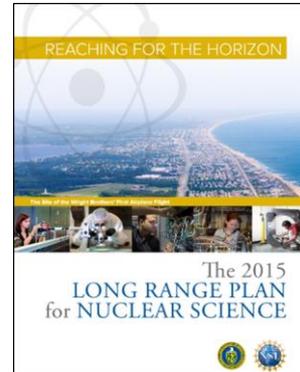
Our recent invited talks have painted a consistent picture that the 2015 Long Range Plan is being followed well. **Kudos!**

- **Progress reports on specific LRP recommendations:**
 - CEBAF Upgrade and Day-1 Physics (McKeown)
 - FRIB Construction Status and Day-1 Physics (Glasmacher)
 - Theory Initiatives (McLaughlin)
 - RHIC Isobar and Energy Scan Run Status (Mueller)
 - Status of $0\nu\beta\beta$ and FS Targeted Opportunities (Kumar)
 - **Physics Case for an Electron Ion Collider (Milner)**
- **Key program priorities and new ideas**
 - Community Report on Double Beta Decay (Smith)
 - Neutron Physics Status (Dewey)
 - Update on the Nuclear Data Program (Sonzogni)
 - **Quantum Information Science and Nuclear Physics (Savage)**

The U.S. Program shines in the Global Context

September, 2018 IUPAP / WG-9 meeting, Bologna

- **WG-9 Business**, Chair R. Tribble (BNL)
- **Long Range Plan Reports from around the world**
 - **Asia**: Asian Nuclear Physics Association, **ANPhA**; K. Tanaka, KEK
 - **South Africa**: i'Themba Laboratories and SAIF, F. Azaiez
 - **USA**: Nuclear Science Advisory Committee, **NSAC**, D. Hertzog, Washington
 - **Canada**: Five Year Plan for TRIUMF, J. Bagger, TRIUMF
 - **Europe**: Nuclear Physics European Collaboration Committee, **NuPECC**, M. Lewitowicz, GANIL
 - **Latin America**: Association of Latin American Nuclear Physics and Applications, **ALAFNA**, D. Menezes, UFSC



Some reminders ...

- We have many in the community and several NSAC Members who are **connecting Remotely**
 - PLEASE speak into the Microphones
 - Please remind folks what slide number or slide title you are on
- We will field questions from NSAC, subject to conflicts of interest
- We will field Public Questions next
- There will be time for Public Comment, but you must arrange it with me or Brenda May so we can schedule you in