

The Future of Nuclear Data in the USA

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The Nuclear Science Advisory Committee (NSAC) is charged with determining the priorities for government-funded nuclear science research in the United States. NSAC has been developed Long Range Plans (LRP) every 6-8 years since 1979 with the most recent one released in October of 2023. Top priorities were given to executing the research program started in the last decade, developing ton-scale neutrinoless double beta-decay measurements and building a new electron-ion collider. Unlike earlier years, the 2023 NSAC LRP also recognized the importance of Nuclear Data activities and endorsed its expansion. This followed a pair of reports written in response to a 2022 charge to NSAC to assess the recent accomplishments and status of the US Nuclear Data Program and explore opportunities to enhance and advance its custodianship of nuclear data.

In this talk I will present an overview of the NSAC's recommendations for nuclear data, focusing on topics presented at the Oslo workshop series since its inception in 2007 including nuclear level densities, photon strength functions, nuclear astrophysics, fission, nuclear energy systems and the production of radioisotopes for medical applications.

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