

Abstract Submitted
for the HAW09 Meeting of
The American Physical Society

Nuclear Structure and Decay Data Evaluation: Status and Perspectives¹ F.G. KONDEV, ANL, E. BROWNE, C. OUELLET, B. PRITYCHENKO, C. REICH, A. SONZOGNI, S. TANDEL, J.K. TULI, BNL, J. CAMERON, A. CHEN, B. SINGH, McMaster U, J. KELLEY, E. KWAN, TUNL, C. BAGLIN, M.S. BASUNIA, R.B. FIRESTONE, LBNL, N. NICA, Texas A&M U, C.D. NESARAJA, M.S. SMITH, ORNL — Reliable nuclear structure data represent the fundamental building blocks of nuclear structure physics and astrophysics research, and are also of vital importance in a large number of applications. Members of the Nuclear Structure and Decay Data Working Group of the U.S. Nuclear Data Program, in collaboration with scientists from Japan and other countries within the International Nuclear Structure and Decay Data Network (under the auspices of IAEA), are involved in compilation, evaluation, and dissemination of nuclear structure and decay data for all known nuclei. The network's principal effort is devoted to the timely revision of information in the Evaluated Nuclear Structure Data File (ENSDF) library, which is the only comprehensive nuclear structure and decay data database that is updated continuously. This presentation will briefly review recent achievements of the network, present on-going activities, and reflect on ideas for future projects and challenges in the field of nuclear structure and decay data evaluation.

¹Work supported by the U.S. DOE, Office of Nuclear Physics.

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Date submitted: 08 Jun 2009

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