

Abstract Submitted  
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**Archival and Dissemination of the U.S. and Canadian Experimental Nuclear Reaction Data (EXFOR Project)**<sup>1</sup> BORIS PRITYCHENKO, National Nuclear Data Center, Brookhaven National Laboratory, Upton, NY 11973-5000, USA, STANISLAV HLAVAC, OTTO SCHWERER, Under contract with the National Nuclear Data Center, Brookhaven National Laboratory, VIKTOR ZERKIN, Nuclear Data Section, International Atomic Energy Agency, Vienna International Centre, P.O. Box 100, A-1400 Vienna, Austria — The Exchange Format (EXFOR) or experimental nuclear reaction database and the associated Web interface provide access to the wealth of low- and intermediate-energy nuclear reaction physics data. This resource includes numerical data sets and bibliographical information for more than 22,000 experiments since the beginning of nuclear science. Analysis of the experimental data sets, recovery and archiving will be discussed. Examples of the recent developments of the data renormalization, uploads and inverse reaction calculations for nuclear science and technology applications will be presented. The EXFOR database, updated monthly, provides an essential support for nuclear data evaluation, application development and research activities. It is publicly available at the National Nuclear Data Center website <http://www.nndc.bnl.gov/exfor> and the International Atomic Energy Agency mirror site <http://www-nds.iaea.org/exfor>.

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Boris Pritychenko  
National Nuclear Data Center, Brookhaven National Laboratory

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