

ENDF Landing Pages and DOI Efforts

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The National Nuclear Data Center (NNDC) at Brookhaven National Laboratory (BNL) has recently released ENDF/B-VIII.1, the latest version of the Evaluated Nuclear Data File (ENDF) library. Produced, distributed, and endorsed by the Cross Section Evaluation Working Group (CSEWG), ENDF/B-VIII.1 represents the most current and comprehensive evaluated nuclear data resource, designed for a wide range of nuclear science and technology applications. This release brings important updates to the data, enhancing its accuracy and applicability for both research and industry.

In conjunction with this new library, the NNDC has launched an updated version of the ENDF web interface in a soft release. This new interface provides users with a streamlined and modernized way to access and navigate ENDF resources. At its core is the ENDF releases landing page, a central hub that provides direct downloads for all ENDF versions. This page is built as a dynamic, data-driven web application, allowing users to seamlessly access different ENDF versions and sublibraries through user-friendly input controls and URL query parameters.

As part of ongoing efforts to enhance discoverability and scholarly accessibility, the NNDC is currently organizing metadata for ENDF/B-VIII.1 and prior versions to obtain Digital Object Identifiers (DOIs) through the BNL library system. These DOIs, once registered through the Department of Energy's Office of Scientific and Technical Information (OSTI) and DataCite, will facilitate citation, tracking, and academic referencing of ENDF data, aligning it with modern standards of scientific data management and dissemination.

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