Current status and future directions of the EXFOR project

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a passion for discovery



Introduction

- FY2013 NNDC Operation
 - Collective effort (B. Pritychenko, S. Hlavac and O. Schwerer)
- Submission of EXFOR entries to prelims, quality control, final data transmissions by the IAEA
- 10 database updates
- Web Interface upgrade by V. Zerkin



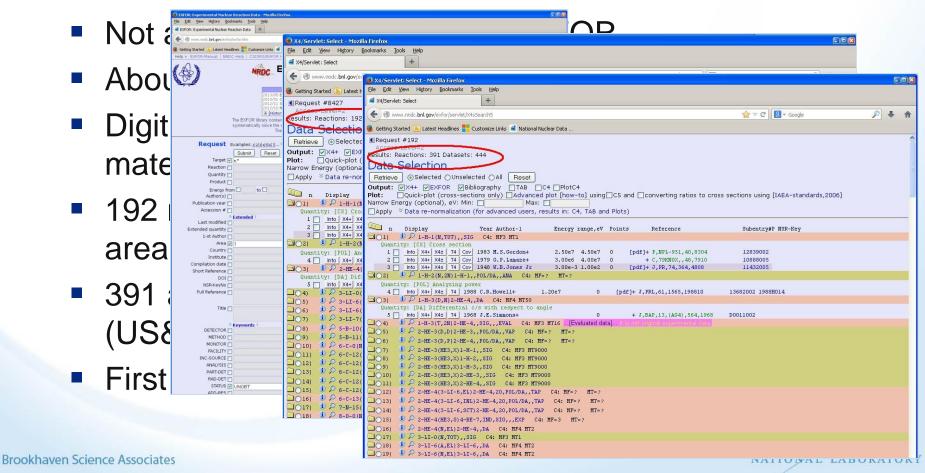
FY2013 EXFOR Statistics

- Total: NNDC (38 new,36 corr)+Bratislava (109 new, 18 corr)
- NNDC Highlights
 - J.L. Kammerdiener thesis compilation #14329 in cooperation with S. Mashnik (LANL)
 - Four charged particles papers update (~1000 subentries)
- Compilation at NNDC:
 - 38 new EXFOR entries
 - 36 updated EXFOR entries
- Digitizing effort at NNDC
 - 1,359 Figure (curves)
 - 51,906 Data points



UNOBT Data

Data that authors never sent to NNDC



Open Access Developments

Public access

- America COMPETES Reauthorization Act of 2010 addresses public access to research results, particularly in the forms of scholarly publications and digital data
- Charge from DOE Office of Science: "Identify and assess current practices, policies and procedures to research results with report by 1-jul-2011."

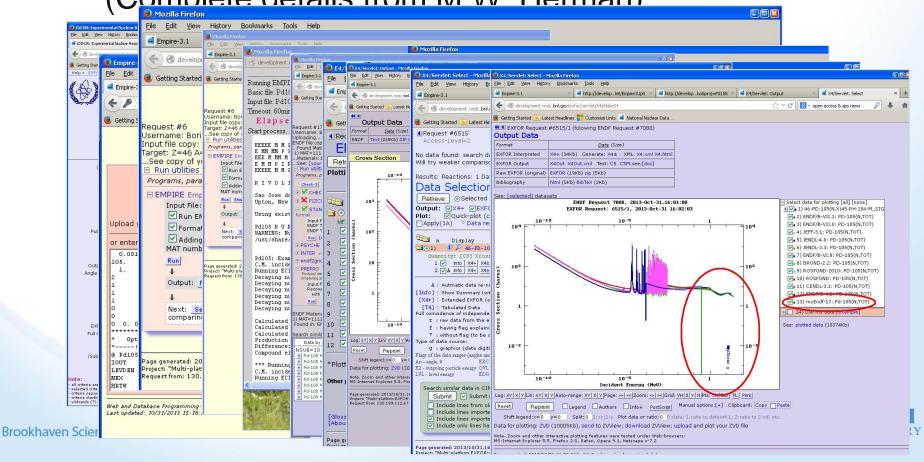
Report of the NSAC Sub-Committee on Public Access to Research Results

- The nuclear physics community often submits research results to freely accessible databases such as the National Nuclear Data Center (NNDC, http://www.nndc.bnl.gov/)...
- Programs like the U.S. Nuclear Data Program also provide an important service through critical independent evaluation efforts.
- APS News (http://www.aps.org/publications/apsnews/201310/access.cfm)
 - Open Access Mandate will Include Raw Data



Web Interface to EMPIRE 3.1

 Preliminary run using V. Zerkin, IAEA interface (Complete details from M W Herman):



Conclusions

- EXFOR project is in a good shape
- We address compilation of current articles, correct previous entries and add missing articles
- We work on UNOBT entries for CIELO project needs
- This project is conducted in close cooperation with the IAEA

