Sigma Web interface

Boris Pritychenko, Alejandro Sonzogni
National Nuclear Data Center
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SIXTY YEARS
OF DISCOVERY
1947-2007

BROOKHAVEN
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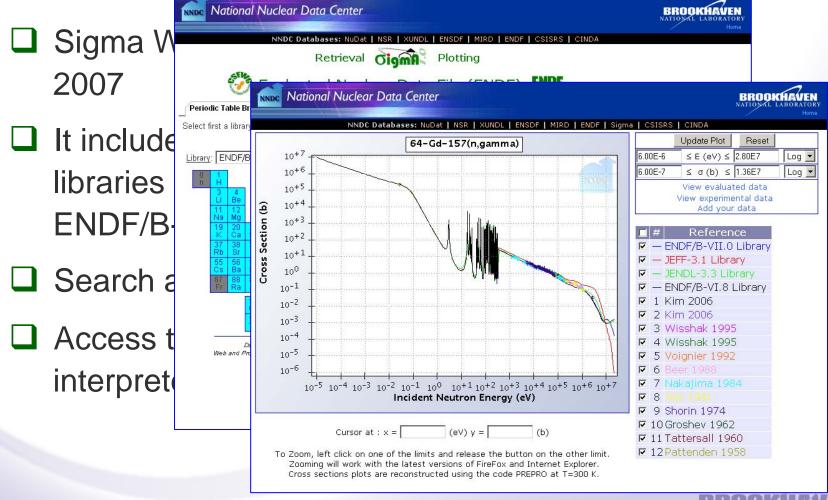
Office of
Science
U.S. DEPARTMENT OF ENERGY

Project Motivation

❑ Produce user-friendly ENDF Web Services

❑ Web dissemination of ENDF/B-VII.0 library that was released on 12/15/06

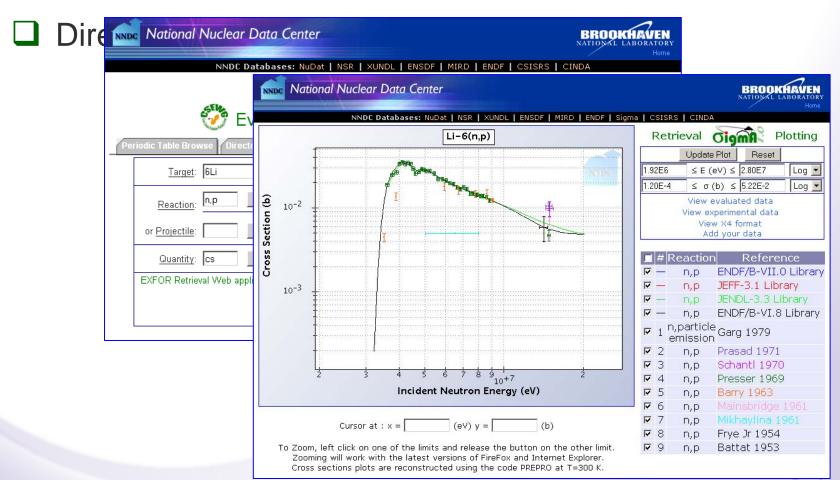❑ Nuclear Data Services are part of the NNDC mission

Sigma Web Interface I

- Sigma W...
2007

- It include...
libraries
ENDF/B-...

- Search a...

- Access t...
interpret...

Sigma Web Interface II

❑ PREPRO, ENDF Interpreted, X4toC4 codes were implemented in Sigma

❑ Zooming, credit to A. Sonzogni

❑ User response (X4 improvements & mathematical operations)

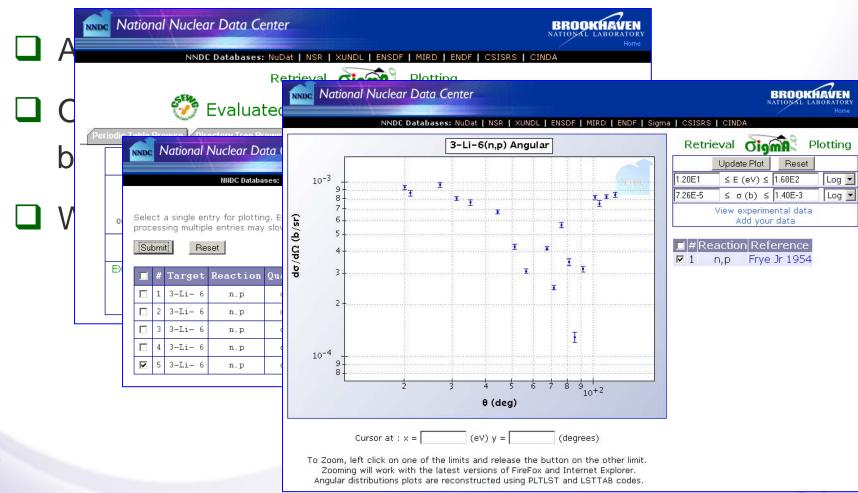❑ Current Sigma usage comparable with previous version of ENDF and keeps growing

NNDC

Brookhaven Science Associates

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Present Development I

□ Dire...

Present Development II

Present & Future Development

❑ Nuclear Data Covariances

❑ Mathematical Operations

Conclusion & Outlook

- ❑ Sigma Web Interface v.1.0 was released on April 15, 2007

- ❑ Direct X4 Retrievals & Angular Distributions are under development

- ❑ Nuclear Data Covariances Web Interfaces just started

- ❑ Work on mathematical operations will start in 2008

- ❑ Suggestions from the CSEWG?