

#### **International Atomic Energy Agency**

## **EXFOR/CINDA** Dictionaries

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### The dictionary system

- Keywords and codes
- Dict. 1: System identifier keywords
- Dict. 2: Information-identifier keywords
- Dict: 24: Data headings
- Dict. 25: Data units
- All others: codes
  - Dict.3: Institute (shared with CINDA)
  - Dicts. 4-7: Reference codes (shared with CINDA)
  - Dict. 27: Nuclides
  - Dict. 36: Quantities (REACTION SF5-8)
  - Most others: Codes for various BIB keywords

#### **Dictionary representations**

- "EXFOR" dictionaries (latest: TRANS 9083)
  - As described in (old) EXFOR Manual Chapter 6
  - Format similar to TRANS
  - Contains codes, expansion (=explanation of abbreviation), some flags, and additional explanations in free text
- "DANIEL" dictionaries
  - Contains codes, expansions and flags as above
  - Plus additional flags for check and plotting programs
  - No free text explanation
  - Originally VMS specific database
- "Archive" dictionaries (see Appendix D of old Manual)
  - ASCII files containing complete information from both "EXFOR" and "DANIEL" databases
  - Master library from which EXFOR and DANIEL databases can be produced

### **Show Table of dictionaries (Overhead)**

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# Show listings of some dictionaries (from file)

• Dicts. 3, 24, 27, 36, ....

# Show chart of dictionary connections (overhead)

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#### New dictionaries to be introduced soon

- Dict. 45 New CINDA quantities
- Dict. 47 Correspondence between old and new CINDA quantities
- Dict. 48 Energy values for spectrum averages
- Dict. 52 CINDA reader codes
- Dict. 113 Web retrieval quantities
- Dict. 144 Revised evaluated libraries codes
- Dict. 207 Books / previously within Dict.7
- Dict. 209 Compounds
- Dict. 227 Revised nuclides dictionary
- Dict. 235 Work types
- Dict. 236 New version of Dict. 36

#### **Dictionary maintenance**

- Done by NDS on behalf of network, transmissions several times per year
- Frequent additions to some dictionaries (e.g. for ref. codes, quantities, labs)
- OBSOLETE codes: must no longer be used in TRANS files but might still exist in files
- EXTINCT codes: e.g. for discontinued journal. Not to be used for new literature but valid for old works
- Additions / changes usually proposed in memo
- Additions to some dictionaries (essentially quantities and keywords) require core center approval