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Memo CP-D/498

Date: 07 February 2008
To: Distribution
From: S.Dunaeva, O.Svhwere
Subject: Revised Manuals

In fulfilment of Action A17 of the last NRDC meeting, the EXFOR Exchange Formats Manual (IAEA-NDS-207) and the LEXFOR Manual (IAEA-NDS-208) have been updated. In addition, a minor revision of the Dictionary Manual (IAEA-NDS-213), which had been issued in August 2007, was made also. The revised manuals are available for download from the internal NRDC web page <http://www-nds.iaea.org/nrdc-int/>

A summary of the main changes made is given below.

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Summary on Manual Updates done in February 2008

Main changes (not complete list):

LEXFOR

- Added explanations to *Isomeric States*, *Spectrum Average*, *Status*, *Target Nucleus*
- Rewrote much of *Institute* entry (using country code; and compilation responsibilities)
- Improved entry on *Independent and Cumulative Data* and added explanation of *Supracumulative cross section*
- Added some physics clarifications and additional quantity type received by Otsuka (in chapters *Single-Level Resonance Parameters / Resonance Strength*, *Center-of-Mass System*, *Differential Data / momentum transfer distributions*)
- Moved explanation of covariance file format from LEXFOR to Manual
- Many small editorial and typographical corrections collected since last revision (including those received by Otsuka and Taova)
- Added Preface

All changes are marked with a vertical bar in the margin

EXFOR Exchange Formats Manual

- Introduced changes and additions from past NRDC meetings. Some of the more significant changes are:
 - o Chapter 1: permitted character set; new CICs; col 80
 - o Chapter 6: breaking of REACTION codes; isomer extension for SF2
 - o Chapter 7: additions to keywords DETECTOR, MONIT-REF, REFERENCE
- Rewrote most of Chapter 8
- Moved explanation of covariance file format from LEXFOR to Manual
- Many small editorial and typographical corrections collected since last revision (including those received by Otsuka and Taova)
- Added Preface

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Dictionary Manual

- Correction of description of Dict. 213 (p.24)
- Corrected definition of flags in Dict. 33 (p.9)
- Changed description of Dict. 24 (p.20) according to Conclusion C11 / NRDC2007 (Removal of plotting flag 5 = one of multiple variables) (Note: change introduced in Manual before actual dictionary update)
- Various typographical and linguistic improvements as requested by A. Nichols