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Memo CP-D/469

Date: 31 August 2006
To: Distribution
From: O. Schwerer and V. Zerkin
Subject: **Wildcards for SF7 in Dictionary 236**
(Action A27 of 2005 NRDC Meeting)

The purpose of this change is to avoid endless growing and many unnecessary updates of this dictionary, to reduce its present size considerably, and to make it easier to read.

We decided this “in principle” several years ago but implementation was postponed.

This is no change of any rules of EXFOR itself and has no consequences for how entries are coded. Only the usage of dictionary 236 and related CHEX procedures are affected, and possibly other software using this dictionary.

The proposal consists of the following 4 items:

- 1) * in SF7 will stand for:
a code of dict. 33 with flag ‘7’ OR
a nuclide code of dict.227 except those with flag ‘Z’
- 2) ***F** in SF7 will mean that ONLY particle codes FF, LF or HF are legal
- 3) Some quantities with explicit SF7 will remain in the dictionary because e.g. a specially detailed expansion is given.
Any programs using the dictionary should first look for the explicit code and use it if it exists. Only if the explicit code is not there, an appropriate code with wildcard should be used (if found).
- 4) Any complex SF7 entries using separators ‘/’ and/or ‘+’ will be entered separately, e.g.
,DA,* and ,DA,*/*

A test version of CHEX, modified to understand these wildcards, was prepared by V. Zerkin at NDS. Testing has started.

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