13 June 2000

To: **Distribution**
From: **F.E. Chukreev, S.Babykina**
Subject: **1. Additions to Dictionaries,**
          2. LEVEL-PROP keyword. (a little remark to **EXFOR Basics**)

1.1 Dictionary 31

SPL   Spallation cross section

FIS   High-energy fission cross section

1.2 Dictionary 36

SPL,SIG   partial cross section due to spallation process

FIS,SIG   partial cross section due to high-energy (.50 MeV/Nucleon) fission

process.

Comment: We met need to use **SPL** code to compile the paper from

EPJ/A,2,193,1998. The code and **FIS** are present in **REACTION MECHANISMS**

of **LEXFOR.** We were surprised very much, when **SPL** has not been found in

EXFOR Dictionaries.

1.3 Dictionary 27

Add permission to use **79-AU-197, 82-PB-208, 92-U-238** as *beam particles*. GSI

accelerator uses the beams, for example.

Add permission use as *reaction products*: **87-FR-223, 88-RA-221, 56-BA-124**,

56-BA-125. Isomer states of the nuclei are not observed yet.

2. **B.7** page of **EXFOR Basics** contains now for **LEVEL-PROP**:

    " *Level Energy* . *The field identifier E-LVL= followed by excited state energy in MeV, coded as a floating-point number which also appears in the data section under the data heading E-LVL.*"

We would like to propose to permit to use **E-LVL-INI, E-LVL-FIN** and another

derivative codes from **E-LVL** for **Level-Energy**. It will useful for correct compilation. If the

proposal will be assumed, then the sentence must be changed for:

    " *Level Energy* . *The field identifier E-LVL= (E-LVL-INI=, E-LVL-FIN= and another derivatives codes) followed by excited state energy in MeV, coded as a floating-point number which also appears in the data section under the data heading E-LVL (E-LVL-INI, E-LVL-FIN etc).*"

Similar proposal was distributed by CAJAD as MEMO CP/A-95. But we have not any reply for our proposal. Therefore we decided to repeat it.

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