

Center of Nuclear Physics Data (CNPD), RFNC-VNIIEF

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Compilation activity

Eight files TRANS.F083, TRANS.F084, TRANS.F085, TRANS.F086, TRANS.F087, PRELIM.F088, TRANS.A098 and PRELIM.A099 have been submitted for the EXFOR data library within the last period. Files with letter “A” include the revised entries only. Files with letter “F” include both new and the revised entries.

Recently particular attention has been paid to the compilation of new articles. In general 28 new entries were prepared for the Exfor.

SoftwareEXFOR-Editor

New version of EXFOR-Editor - 4.01 was placed on the web page of CNPD www.vniief.ru/en/partnership/cnpd/Download. In this version there appears a possibility of entering data on neutron spectra with a keyword SUPPL-INF (Supplemental Information). To input such information two regimes are provided: the Wizard mode and the mode of working in a separate dialog window. At present there are 31 entries in Exfor containing neutron spectra. Evidently the input of such type of data will be continued.

In the new version of ExfData 4.01 there is also a possibility of creating and processing the exchanged file TRANS to transfer the compiled experimental data into the IAEA Nuclear Data Section.

Description of the 4.01 version of EXFOR-Editor is presented in a new Manual which is also located on the web page of CNPD. It includes both the description of the main functions of the program and the new modes of data processing.

Update of Dictionaries and checking codes (CHEX and JANIS TRANS Checker) is being carried out on continuing basis.

General

Scanning of journals “Izvestiya Akademii Nauk” and “Yadernaya Fizika” is being performed regularly to reveal articles relevant to be compiled to Exfor library. The reports on scanning results are submitted to the NDS, IAEA every month.

This year we celebrate the 25-th anniversary of the Centre of Nuclear Physics Data. Contribution of CNPD to the development of Exfor data library is essential. Total number of entries transferred to Exfor by the Center within the period of its functioning is 2165.

Now we prepare a paper about our Centre activities, which will include different directions of its development: compilation of experimental data, design of software, issue of posters and booklets.