Center of Nuclear Physics Data

Status report to the NRDC Meeting, May 23-26, 2017

IAEA, Vienna

S.M. Taova

Russian Federal Nuclear Center-VNIIEF

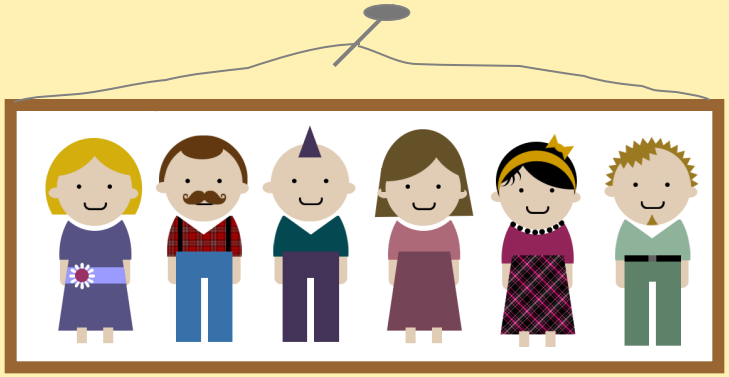
Russia, 607188, Sarov, Nizhnij Novgorod region, pr. Mira, 37

CNPD – the 20-th Anniversary

Date of birth – August 11, 1997

Place of birth – All-Russian Research Institute of Experimental Physics,
Institute of Nuclear and Radiation Physics

Total staff – 6 professionals



Main CNPD activities:

- providing by nuclear constants the scientific and technical developments of the institute;
- compilation of experimental data into the international data base Exfor;
- data evaluation;
- development of software for data processing;
- development of specialized data bases.

EXFOR compilation

TRANS.F062

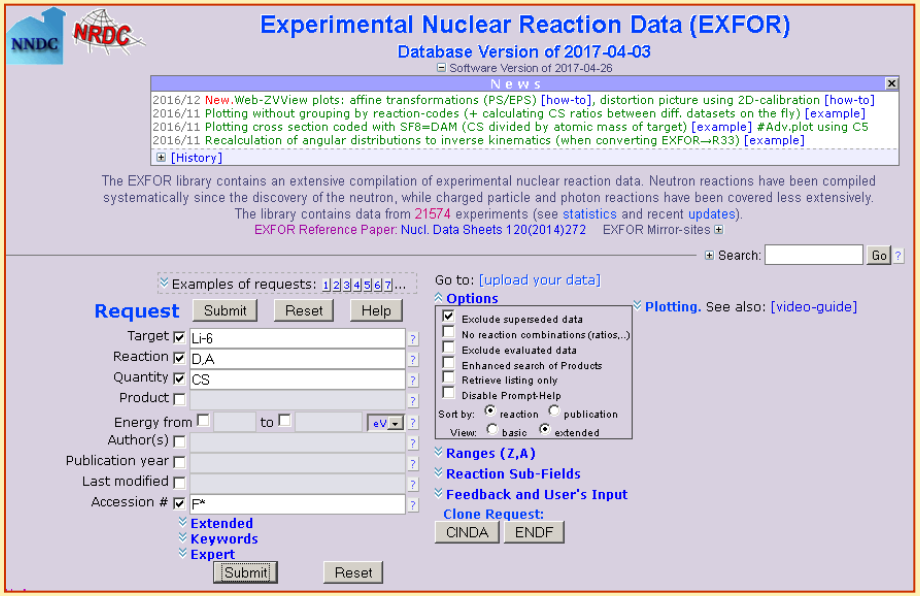
TRANS.F063

TRANS.F064

TRANS.A085

TRANS.A086

TRANS.A087



-

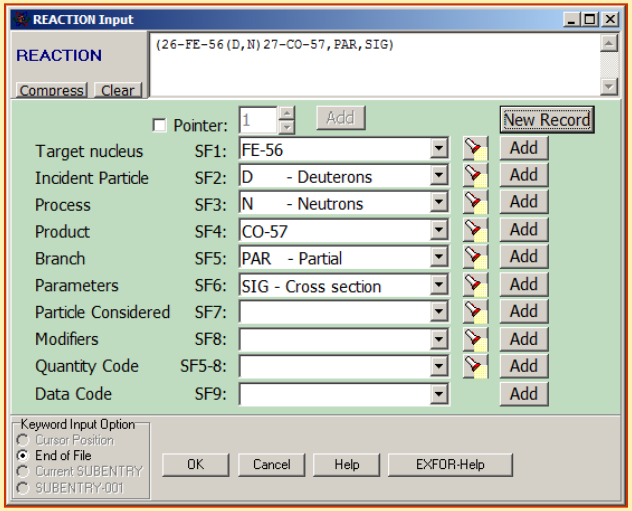
38 new entries

84 revised entries

Software

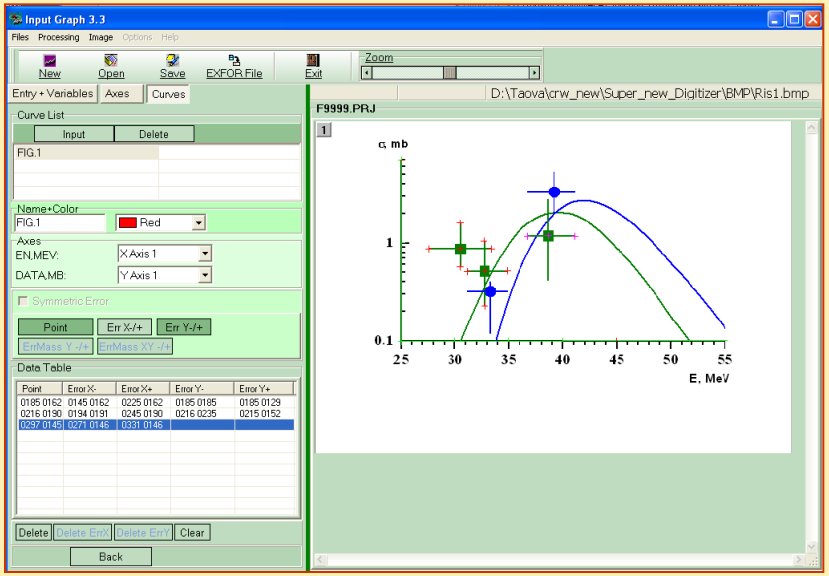
- EXFOR-Editor

Input of Reaction

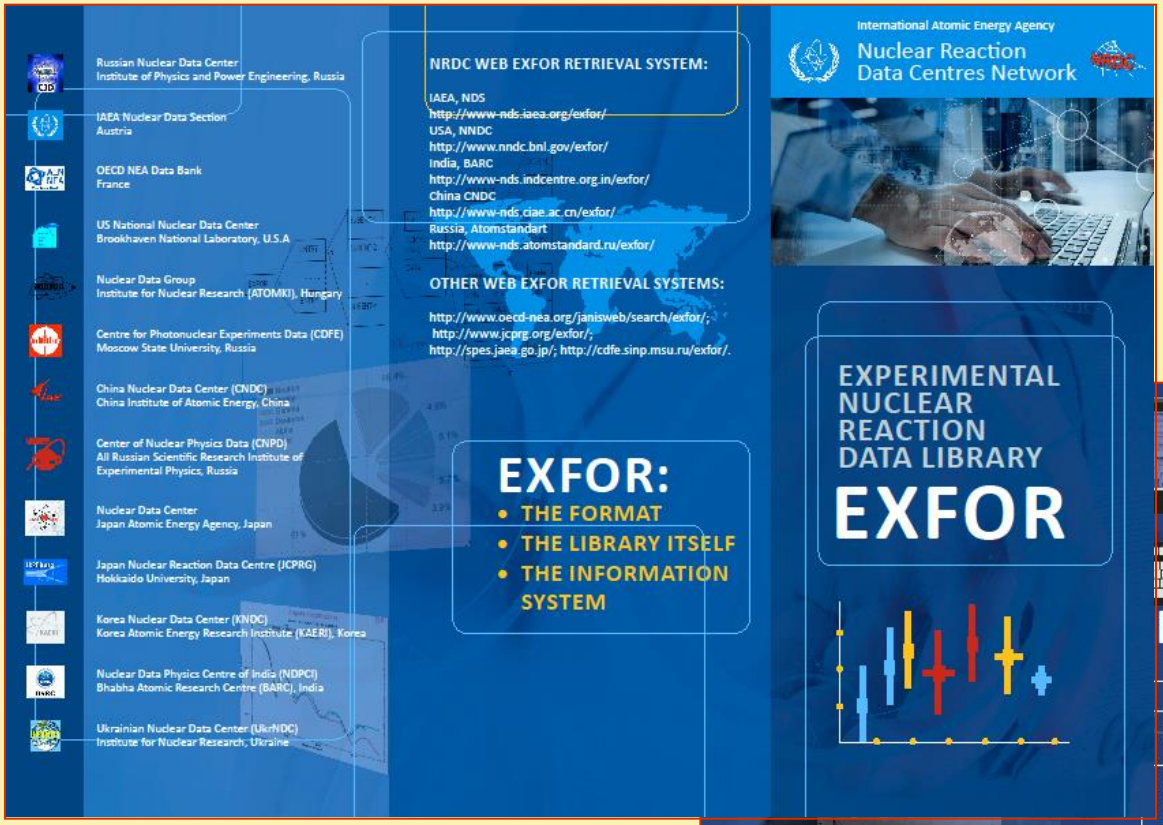


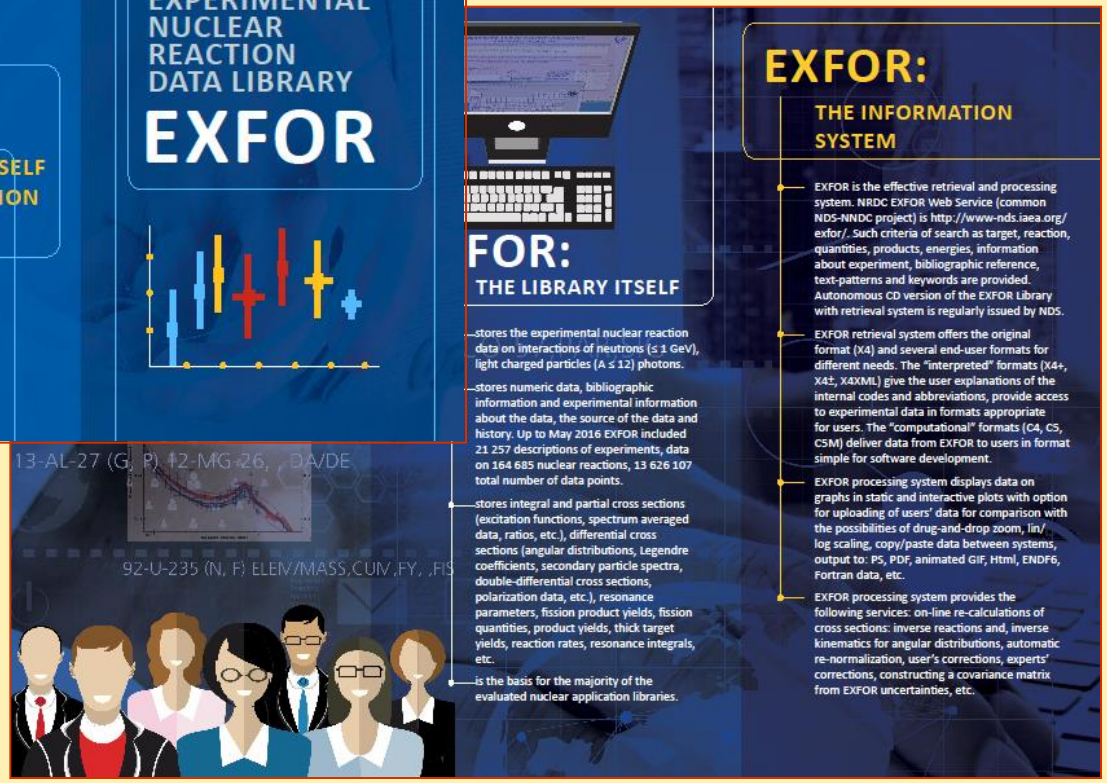
- InpGraph

Asymmetric error



Exfor Booklet





Workshop on Exfor Compilation, October 24-28, 2016 – Quick-Start Tutorials

Scanning of Journals

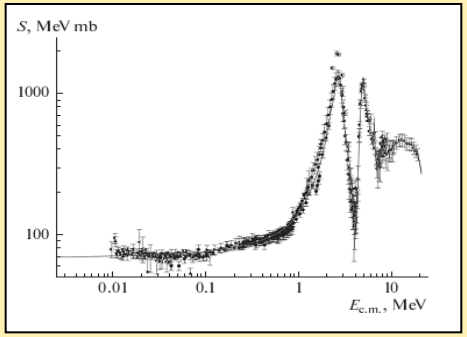
“Izvestiya Akademii Nauk”

“Yadernaya Fizika”

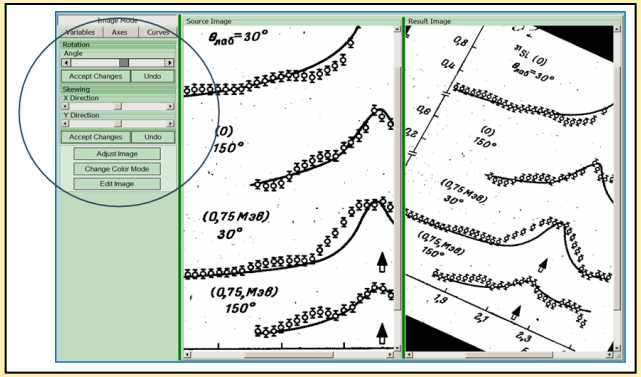
“European Physical Journal A”

International Conference on the Problem of Nuclear Spectroscopy and Structure of Atomic Nucleus “Nucleus-2016”, October 10-14, Sarov, 2016

1. S.M. Taova, S.M. Selyankina, L.N. Generalov, V.A. Zherebtsov, K.A. Lipenkova, L.V.Tulina. “Evaluated Integral Cross-Sections of the ^{7}Li(p,a)^{4}He Reaction”. Book of Abstracts. Conference “Nucleus-2016”, Sarov, October 10-14, p. 165.



2. G.N. Pikulina, S.M. Taova, S.V. Dunaeva, S.M. Selyankina. “Graphic Data Processing For Numeric Data Input Into The Exfor Library”. Book of Abstracts. Conference “Nucleus-2016”, Sarov, October 10-14, p. 163.



EXFOR Poster

(Naohiko's origin)