


# Center of Nuclear Physics Data



Status report to the NRDC Meeting,  
April 23-25, 2013, Vienna

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## EXFOR compilation

TRANS.F046

TRANS.F047

TRANS.F048

TRANS.F049

42 new entries

50 revised entries

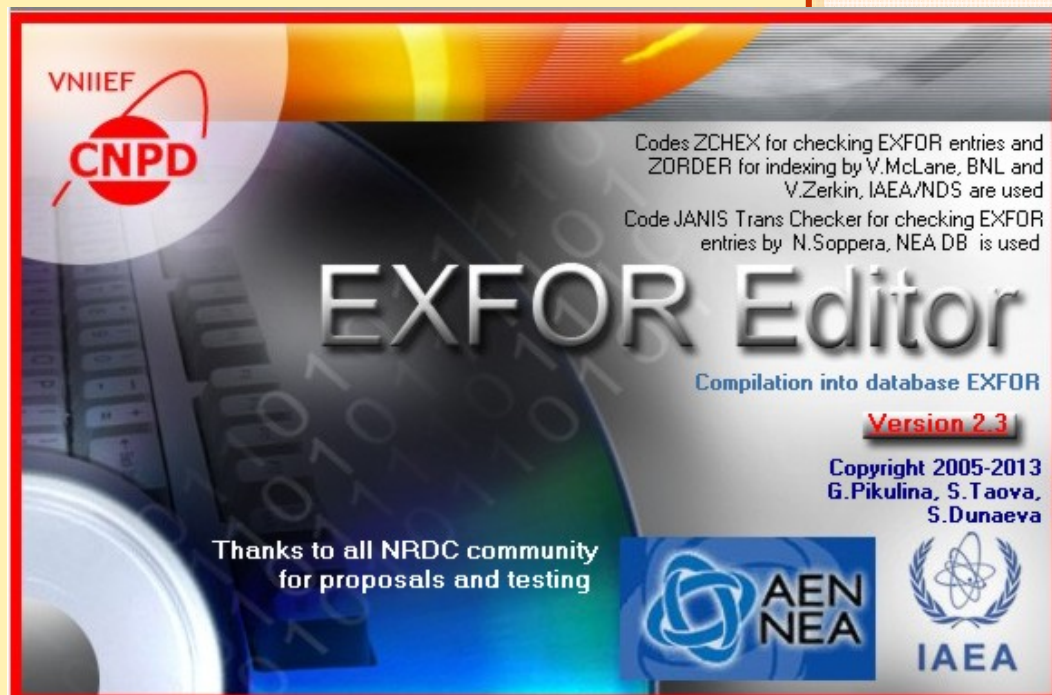


## EXFOR-Editor

- tool to edit and input experimental data in the EXFOR library

*G. Pikulina, S. Taova, S.Dunaeva*

*Created: 15.05.2006  
Modified: 26.09.2006  
Modified: 28.04.2009  
Modified: 5.02.2013*



VNIIEF  
CNPD

Codes ZCHEX for checking EXFOR entries and  
ZORDER for indexing by V.McLane, BNL and  
V.Zerkin, IAEA/NDS are used  
Code JANIS Trans Checker for checking EXFOR  
entries by N.Soppera, NEA DB is used

# EXFOR Editor

Compilation into database EXFOR

**Version 2.3**

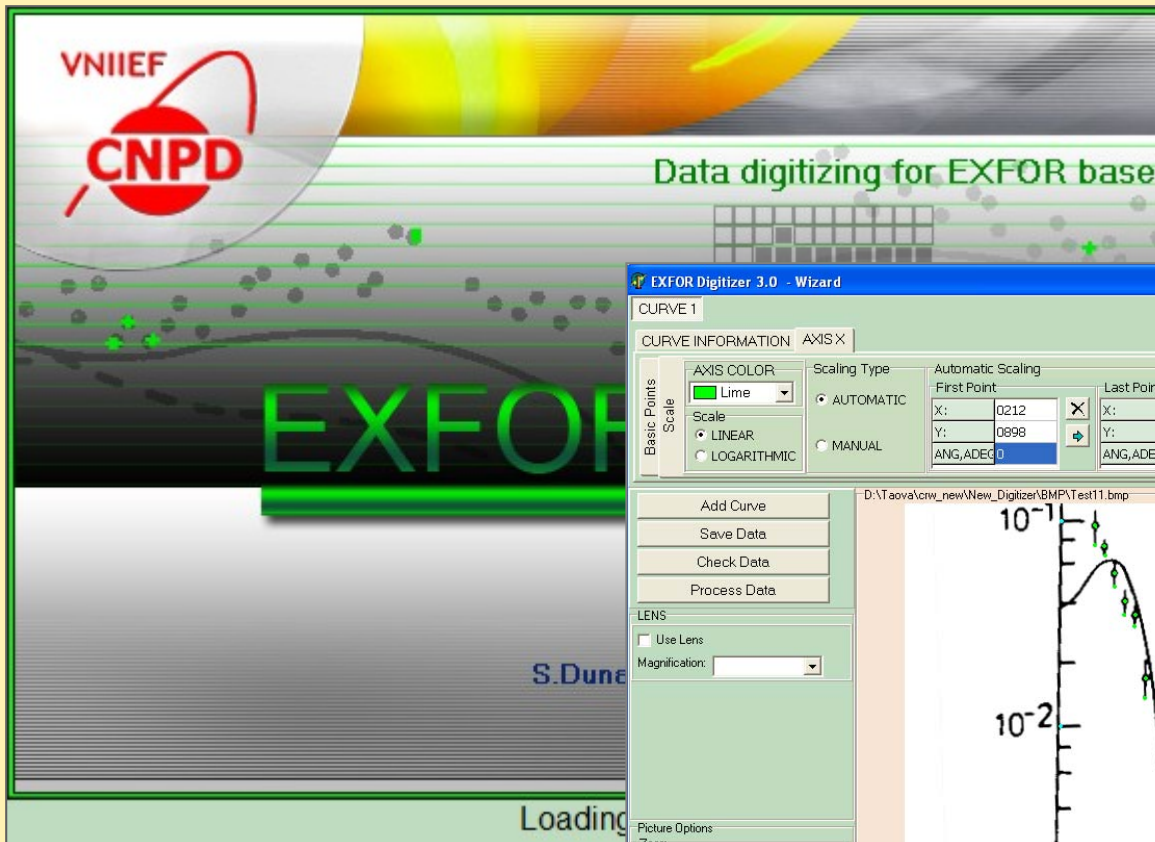
Copyright 2005-2013  
G.Pikulina, S.Taova,  
S.Dunaeva

Thanks to all NRDC community  
for proposals and testing

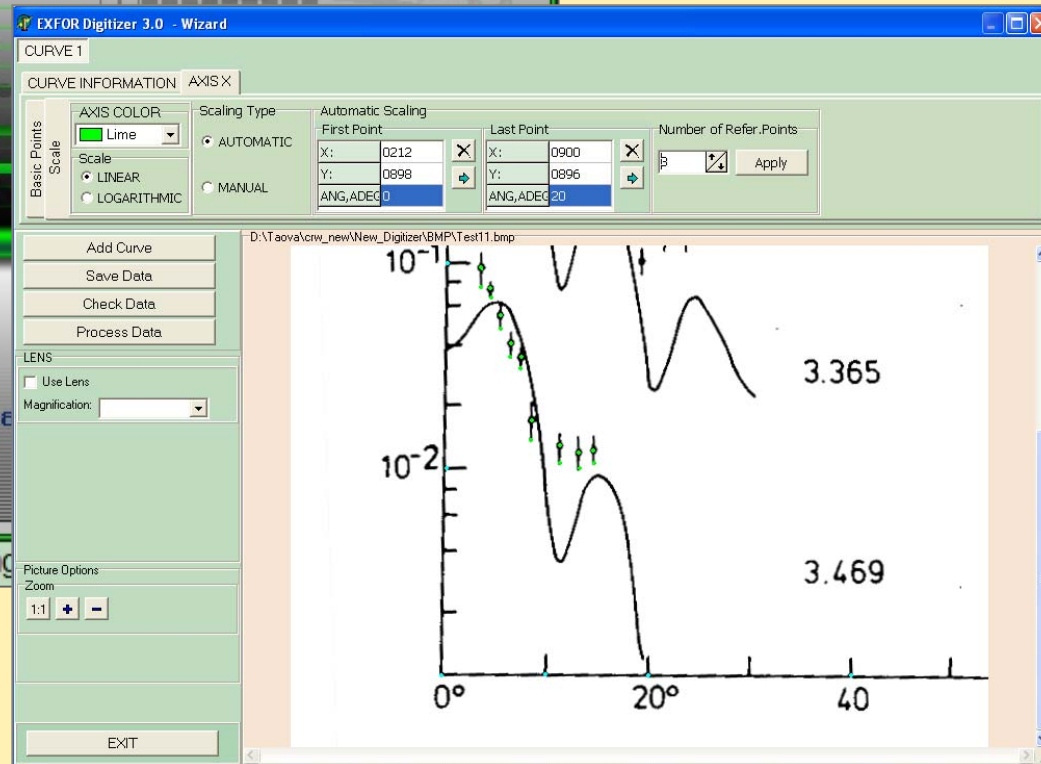
AEN  
NEA

IAEA

Workshop “Benchmarking of the Digitization Software”, November 2012, Vienna



InpGraph -  
WIZARD



## Workshop “Benchmarking of the Digitization Software”, November 2012, Vienna\_



Many thanks to Dr. B. Lalremruata (Mizoram Univ., India)

...any SF5-8 from Dict236, which can be unclear for user (and compiler) and is important from your viewpoint..

### PNG files

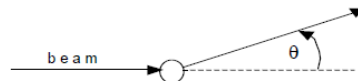
Reaction				
3-LI-6(HE3,P)4-BE-8,,DA,,REL				
<i>Reaction String(s)</i>	<i>SF5-8: Quantity-code</i>	<i>Web-Quantity</i>	<i>Cinda-Quantity</i>	<i>Reaction-type</i>
	<i>Code Explanation</i>	<i>Code Explanation</i>	<i>Code Explanation</i>	<i>Code Explanation</i>
3-LI-6(HE3,P)4-BE-8,,DA,,REL	<b>DA</b> Differential c/s with respect to angle	<b>DA</b> Differential data with respect to angle	<b>DA</b> Differential d/dAngle	<b>DA</b> Differential d/dAngle
<b>Target</b>	3-LI-6			
<b>Projectile</b>	HE3			
<b>Outgoing particle/s</b>	P			
<b>Modifier: REL</b>	Relative data To be combined with arbitrary units. Otherwise use `FCT`.			

### Angular Distributions ( $d\sigma/d\Omega$ )

Angular distribution: probability for a particle to be emitted into an area of solid angle  $d\Omega$  lying at a mean angle of  $\theta$  to the incident beam direction in the reaction plane .

### Relative angular distributions

The shape of the angular distribution  $W(\theta)$ ; the data are dimensionless, and are most often normalized to  $W(90^\circ) = 1$ .



**REACTION coding:** DA in SF6; REL in SF8.

**Units:** ARB-UNITS.

## 120 PNG files with graphic information from LEXFOR

	DA,,COS.PNG	21 KB
	DA,,CS2.PNG	28 KB
	DA,,LEG.PNG	25 KB
	DA,,REL.PNG	16 KB
	DA,,RS.PNG	9 KB
	DA,,RS0.PNG	7 KB
	DA,,RSD.PNG	7 KB
	da,,sfc.png	14 KB
	FM_DA,,AL1.PNG	40 KB
	FM_DA,,SN2.PNG	32 KB
	NU_DE,,MXD.PNG	33 KB
	NU_DE,,NPD.PNG	38 KB
	NU_DE,,RTE.PNG	29 KB
	sig,,sfc.png	63 KB



G. Pikulina, S. Taova, S. Dunaeva

**“Optimization and ensuring of validation of data input format into the international library EXFOR by software package Exfor-Editor”**

**“Vestnik Natsional’nogo Issledovatel’skogo Yadernogo Universiteta “MEPHI””,  
v. 2, p. 125-128, 2013.**