

# STRUCTURE OF SOFTWARE ON GRAPHIC DATA PROCESSING FOR THE EXFOR DATA LIBRARY

*October 6–10, 2014, IAEA, Vienna, Austria*

G. Pikulina, S.Taova, S.Dunaeva

*CNPD, Russian Federal Nuclear Center – VNIIEF, Sarov 607188,  
Russia*

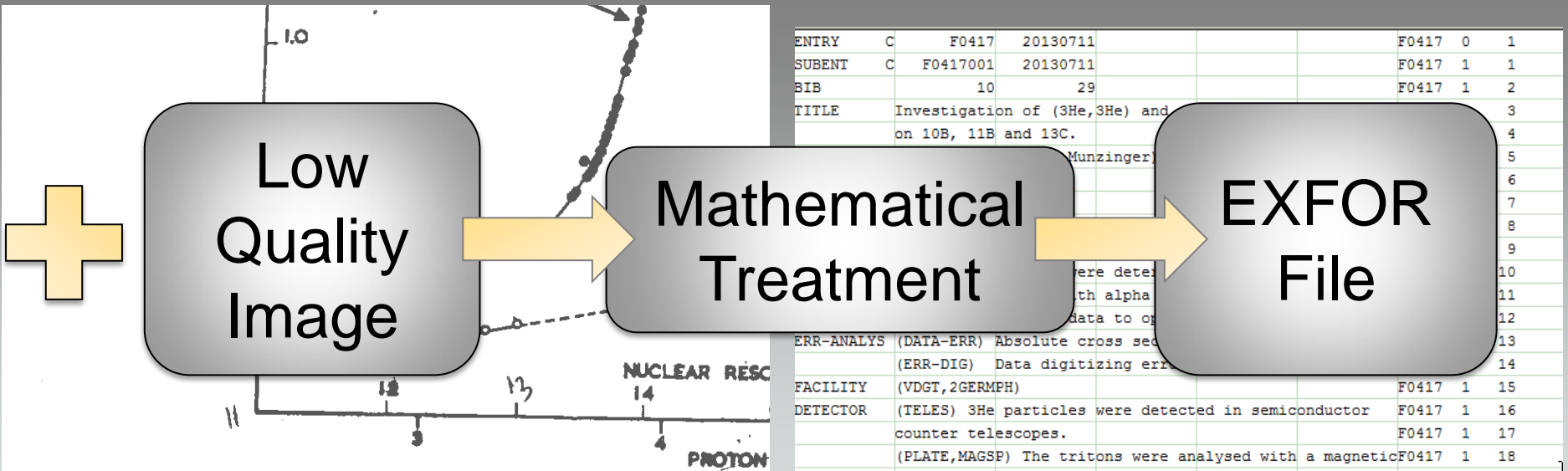
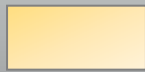


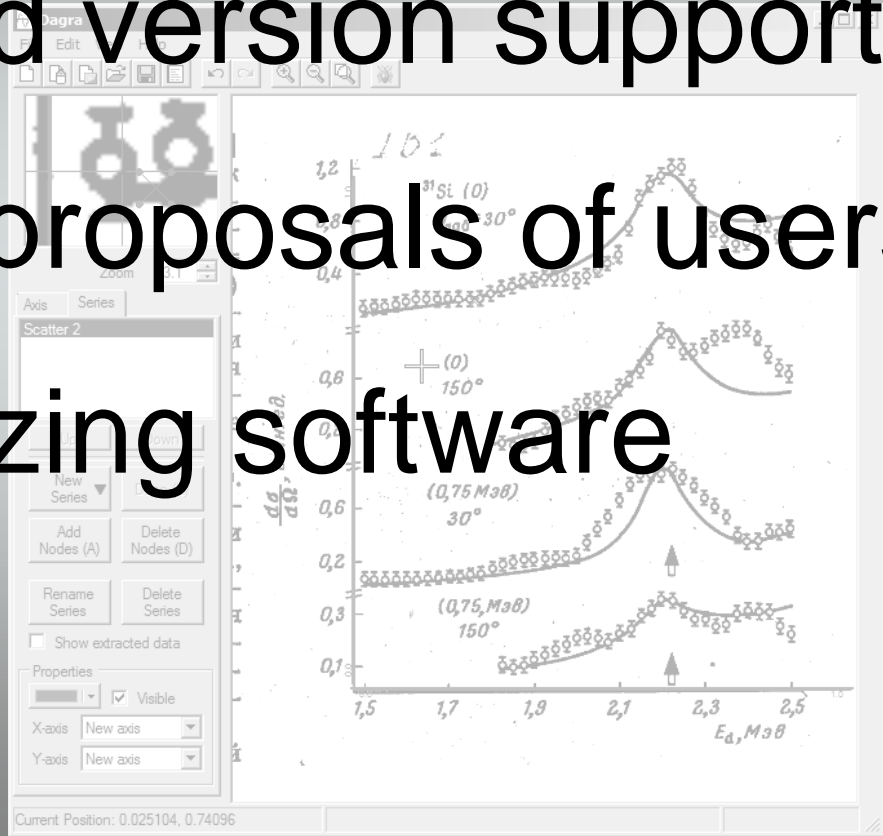
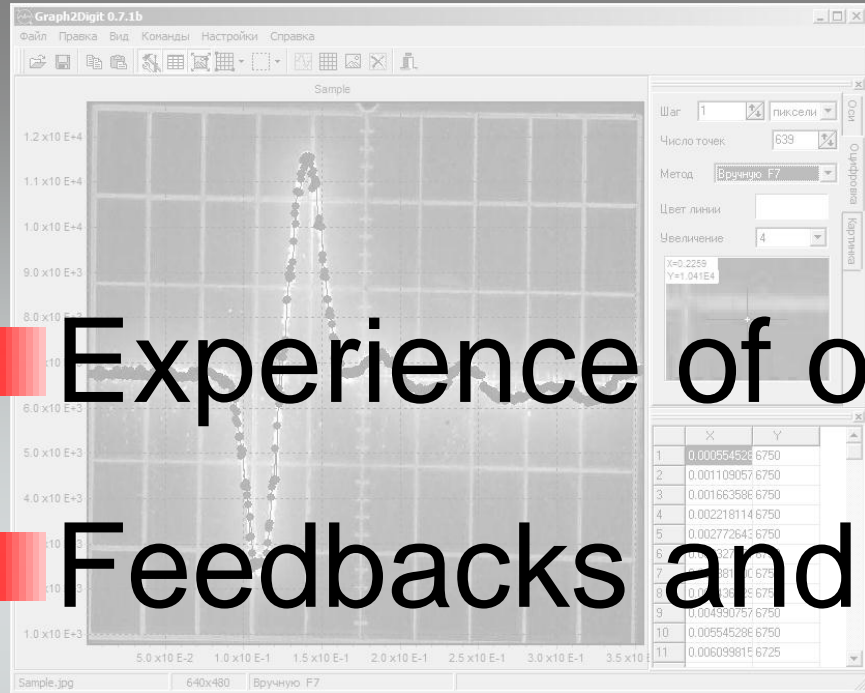
Fig. 2. Yield curves of gamma rays from the  $B^{10}$  the energy range  $E_0 = 2.4 - 7.7$  MeV. For clarity.



**Strict Order of Digitizing Operations**

Terminal control panel buttons: BEGW, BEGG, BEGC, ENDC, ENDG, ENDW, END, LNX, SCX, LNY, SCY, LIN, LOG, ERX, ERY, FLG, CLF.

- Consistency
- Obviousness
- Intuitively understandable interface
- WIZARD technology
- Minimization of manual data input



- Experience of old version support
- Feedbacks and proposals of users
- Analysis of digitizing software

VNIIEF  
CNPD


Data digitizing for EXFOR database

# EXFOR Digitizer

Version 3.0

## INPGRAPH

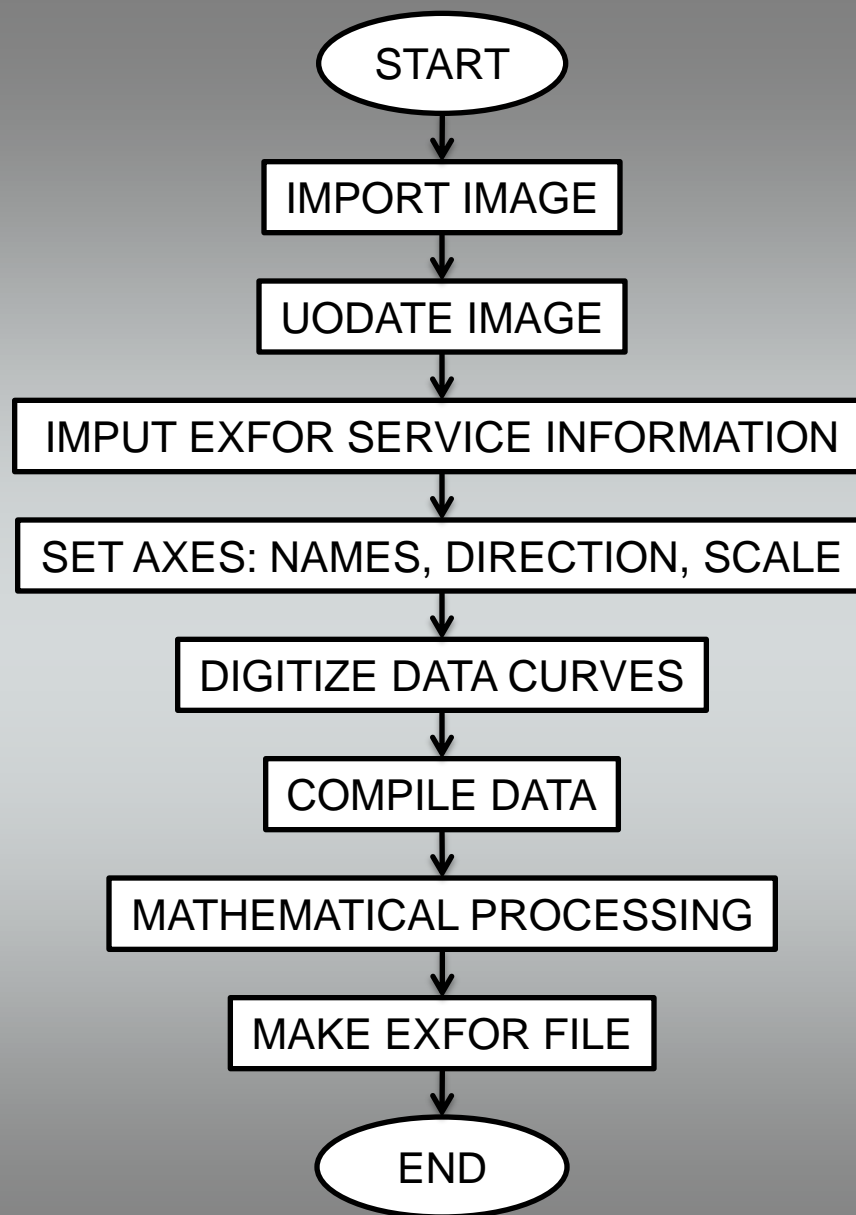
Copyright 2005-2014  
S.Dunaeva, G.Pikulina, S.Taova

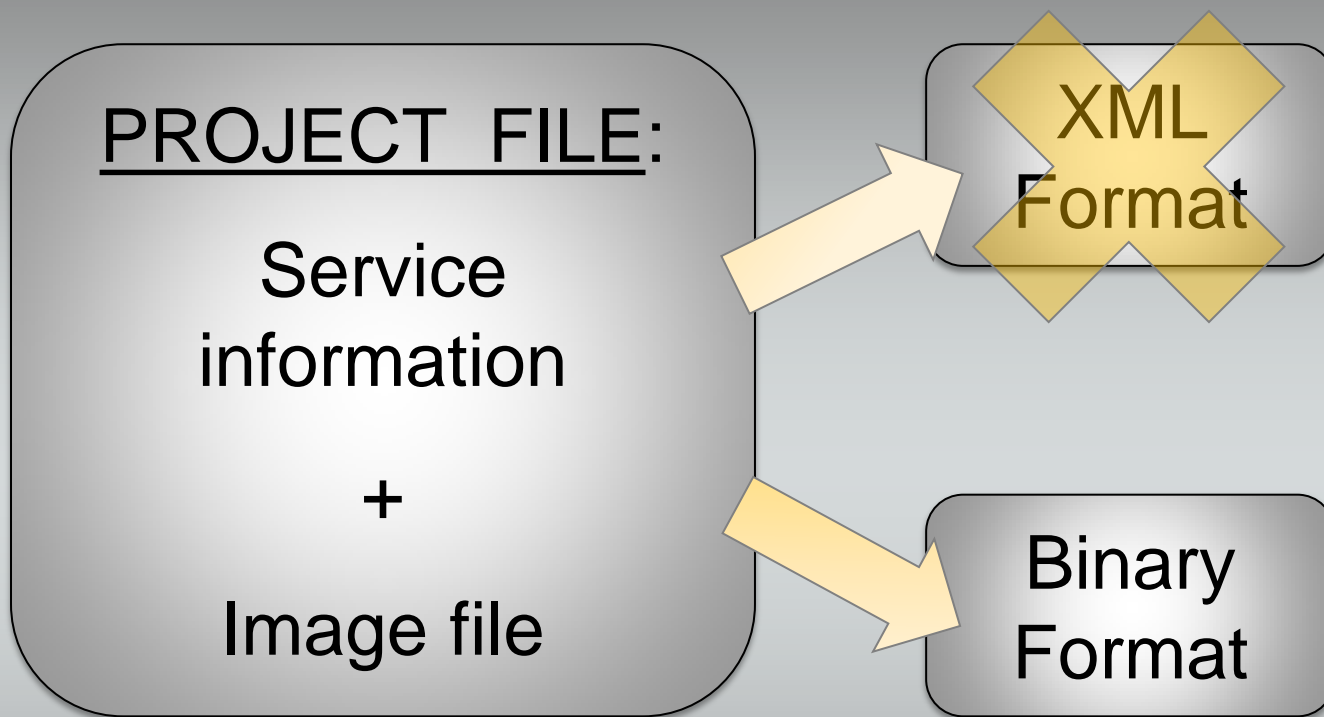


IAEA

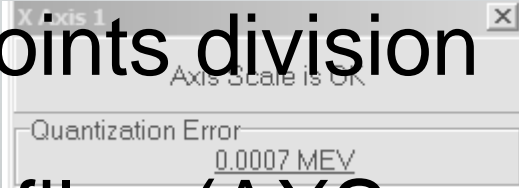
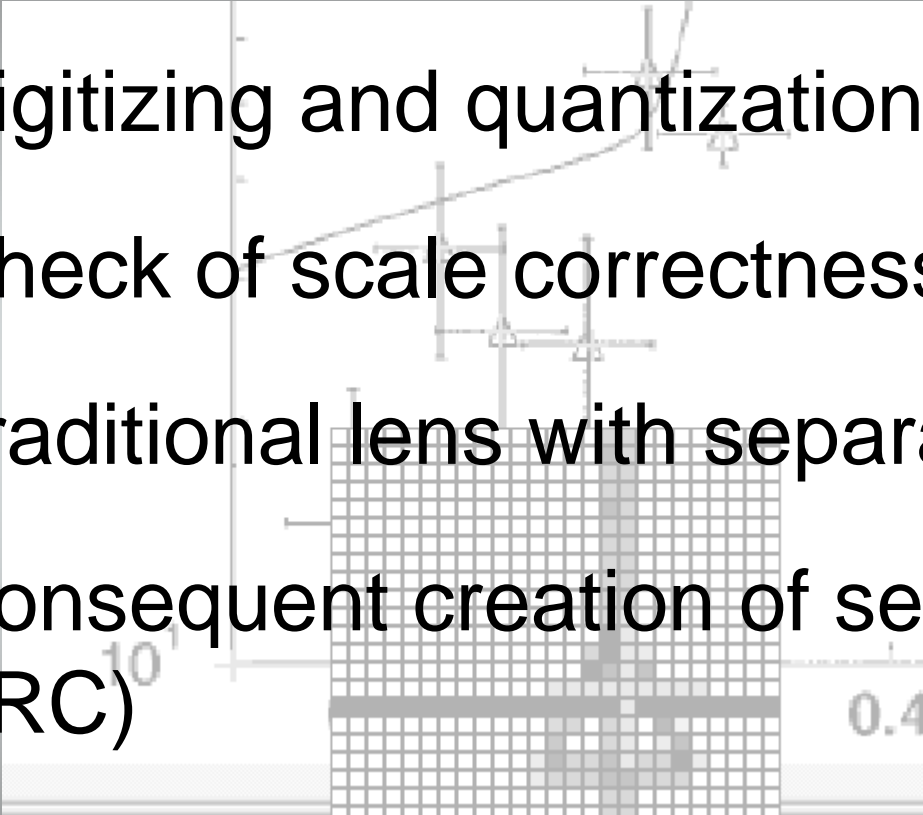
In cooperation with NDS and NRDC community

Loading...





- Special math software
- Digitizing and quantization errors
- Check of scale correctness
- Traditional lens with separate points division
- Consequent creation of service files (AXS, SRC)
- EXFOR-oriented data treatment





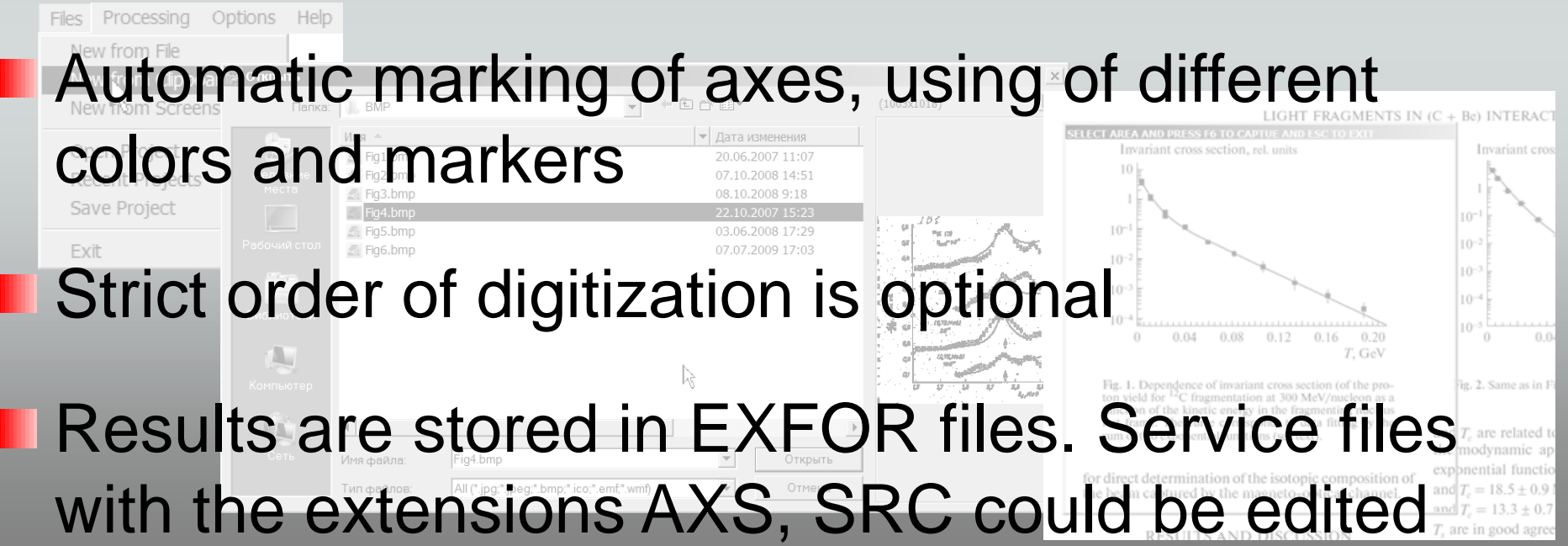
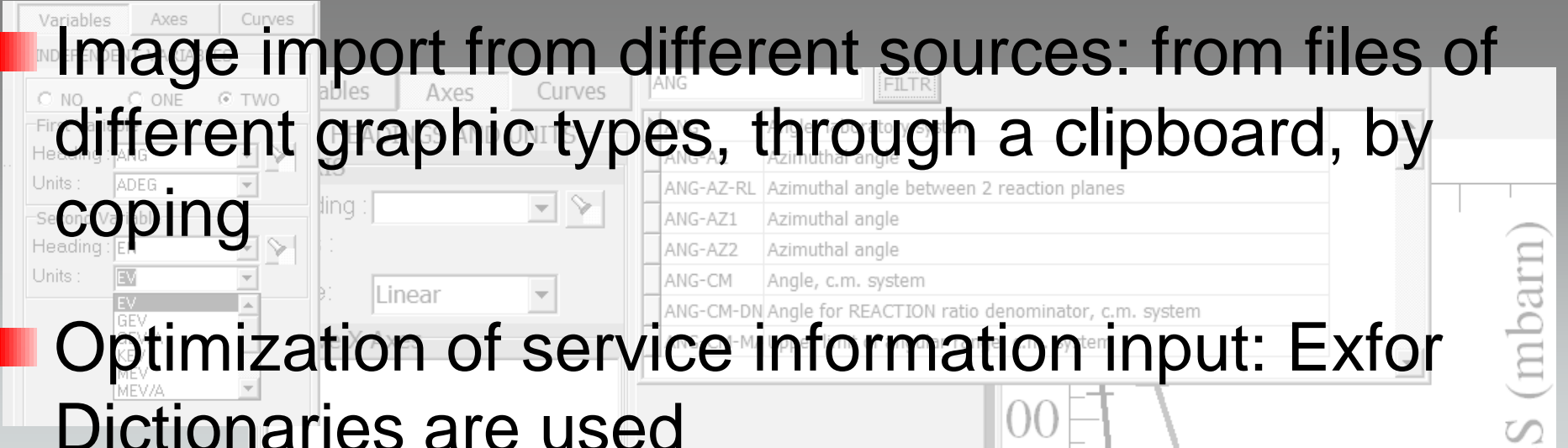
■ Image import from different sources: from files of different graphic types, through a clipboard, by copying

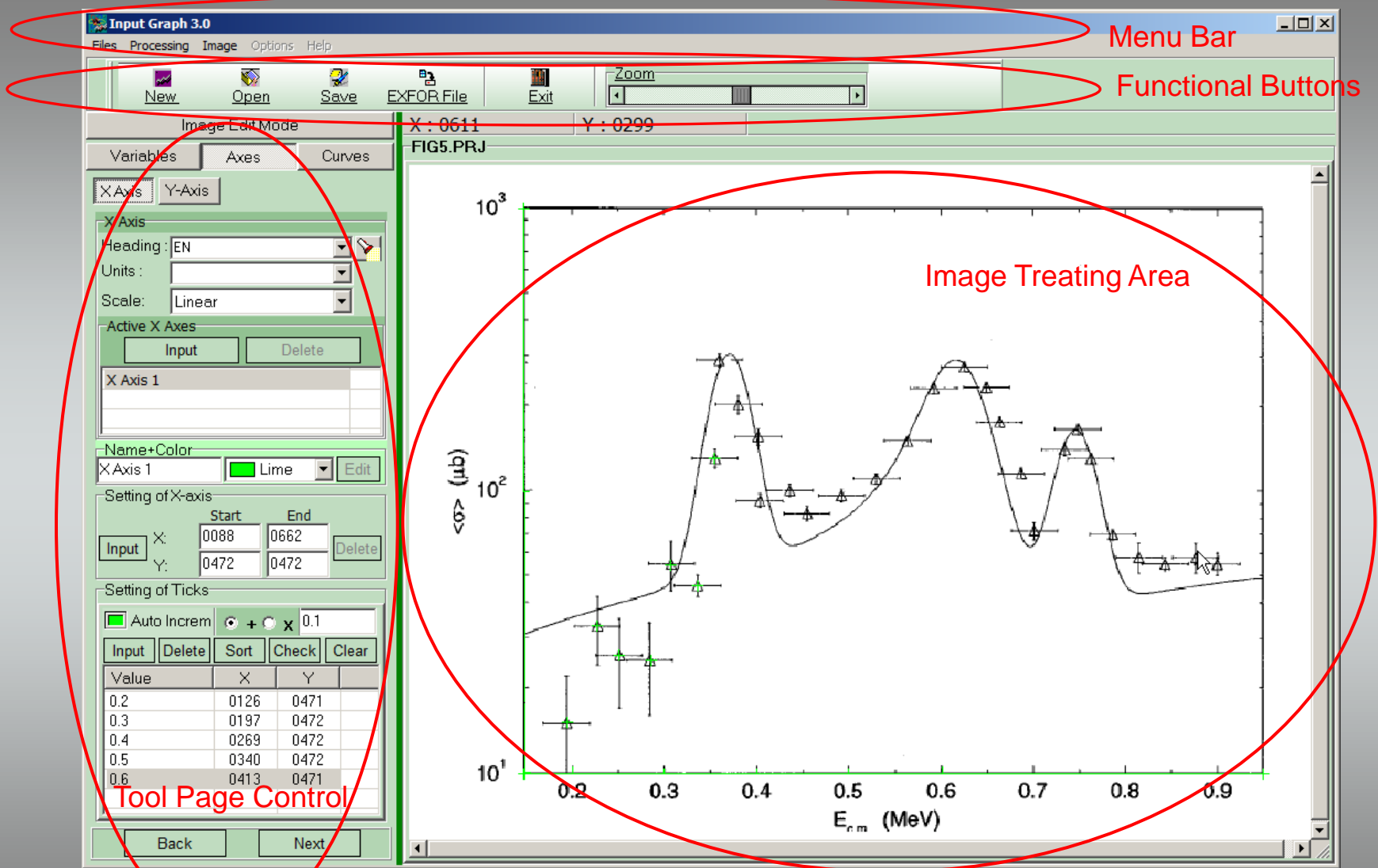
■ Optimization of service information input: Exfor Dictionaries are used

■ Automatic marking of axes, using of different colors and markers

■ Strict order of digitization is optional

■ Results are stored in EXFOR files. Service files with the extensions AXS, SRC could be edited





Menu Bar

Functional Buttons

Image Treating Area

Tool Page Control



**THANK YOU**