

PROGRAM INPGRAPH ON GRAPHIC DATA PROCESSING FOR THE EXFOR DATA LIBRARY

April 21–23, 2015, IAEA, Vienna, Austria

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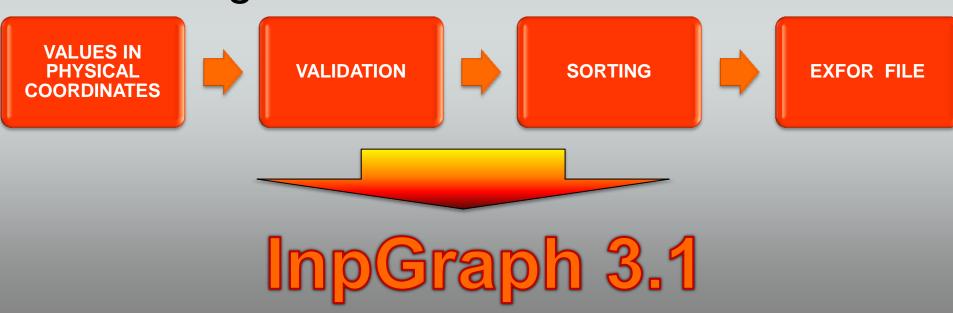
CNPD, Russian Federal Nuclear Center – VNIIEF, Sarov 607188, Russia



1-st Stage:

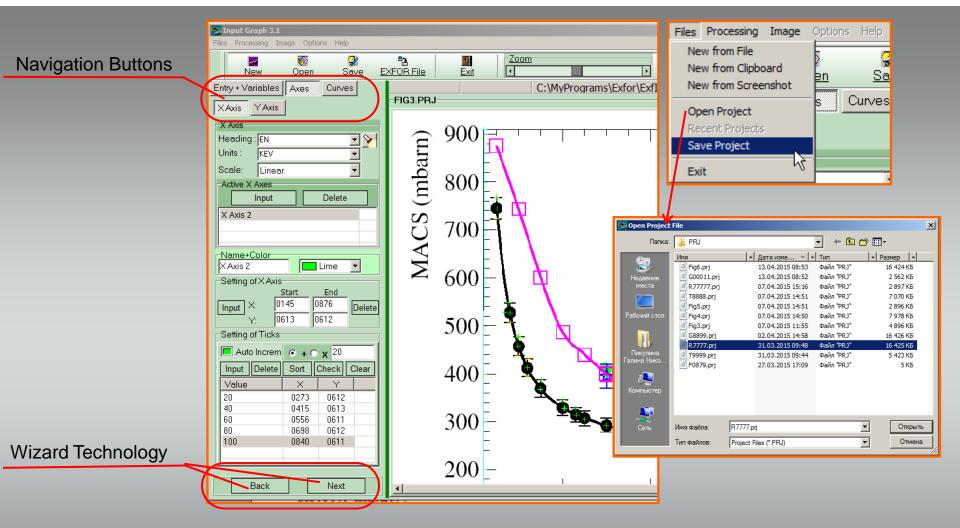


2-nd Stage:





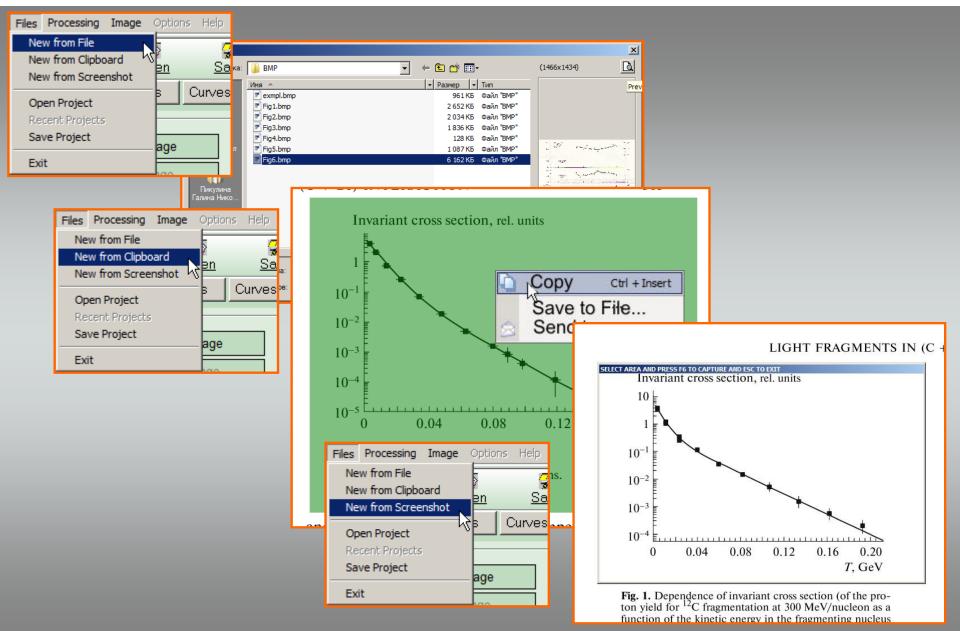
User's Interface



MINIMUM OF CLICKS!

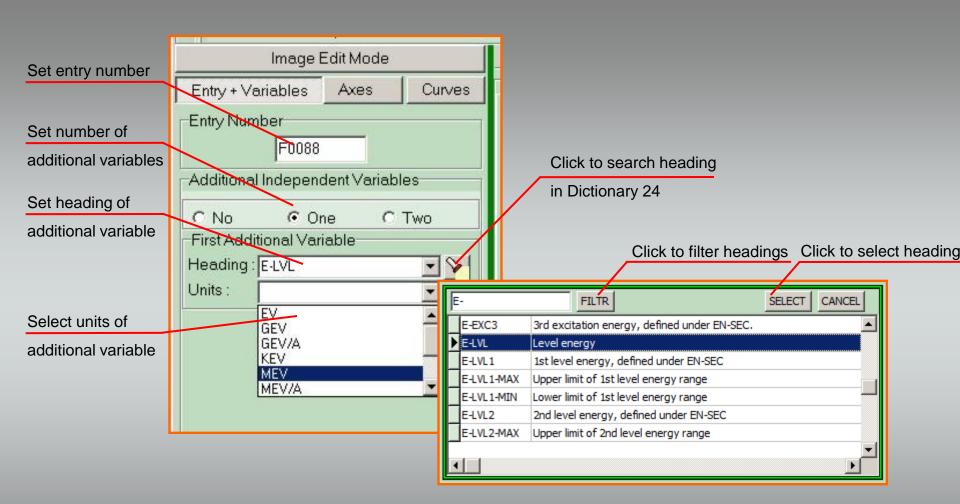








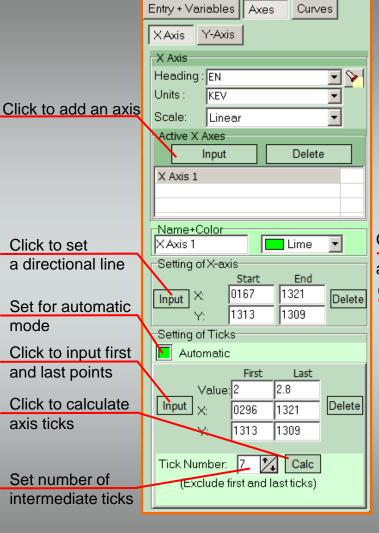
2. Service Information Input



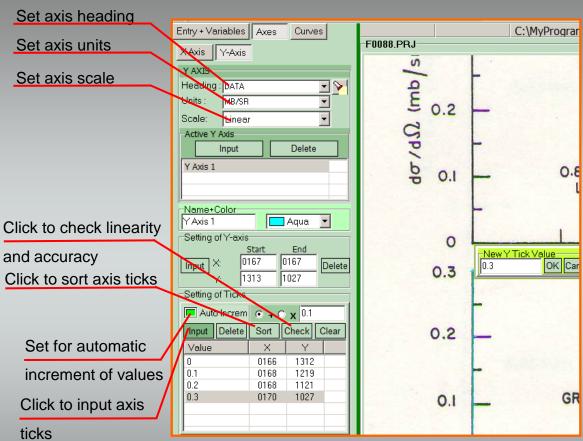




Automatic Mode

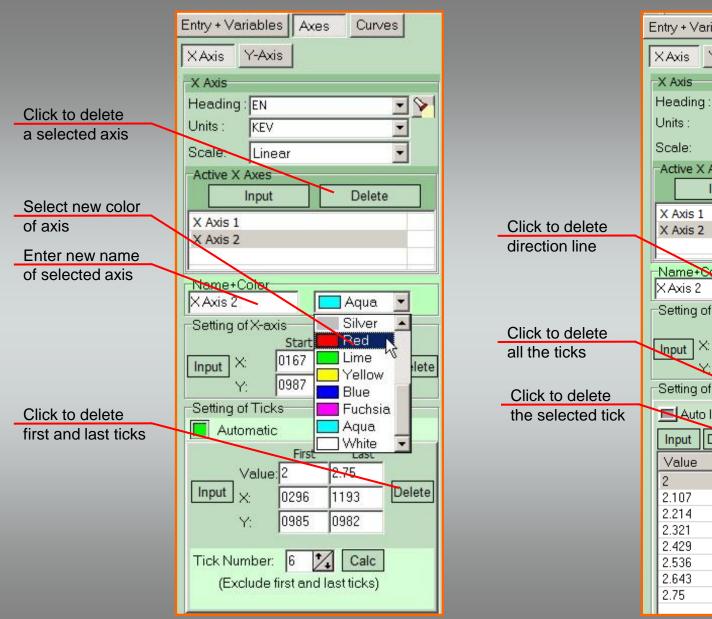


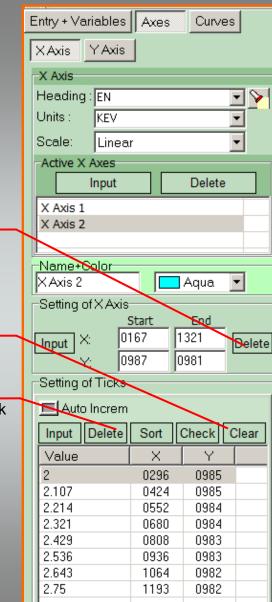
Handle Mode





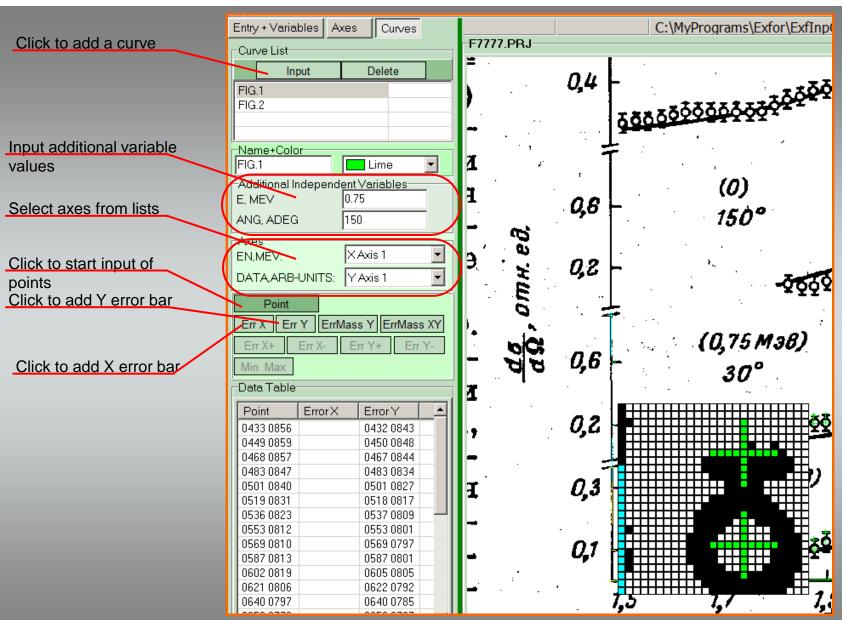
New Functions for Axis Editing





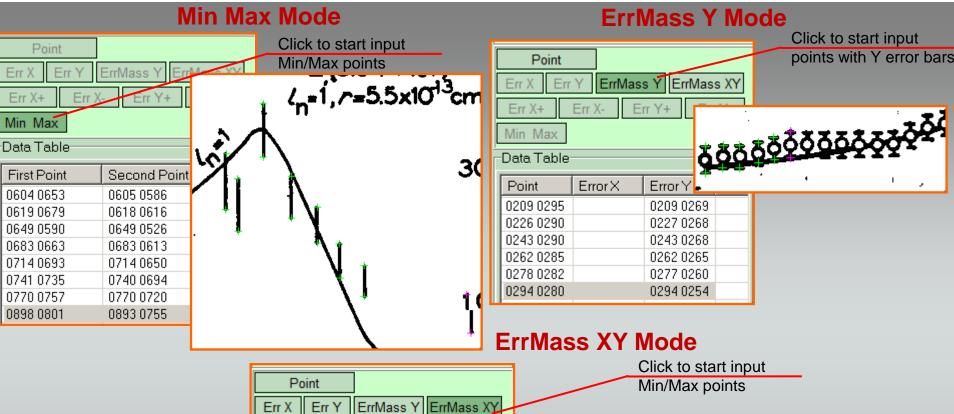








New Features for Curves Input



Err Y+

Error Y

0122 0396

0146 0334

0163 0351

0186 0355

0203 0291

Error X

0145 0357 | 0127 0358

0103 0433

0144 0380

0167 0383

0185 0310

0205 0326 0223 0317

Err X

Err X+ Min Max Data Table

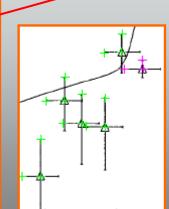
Point 0122 0433

0163 0380

0186 0384

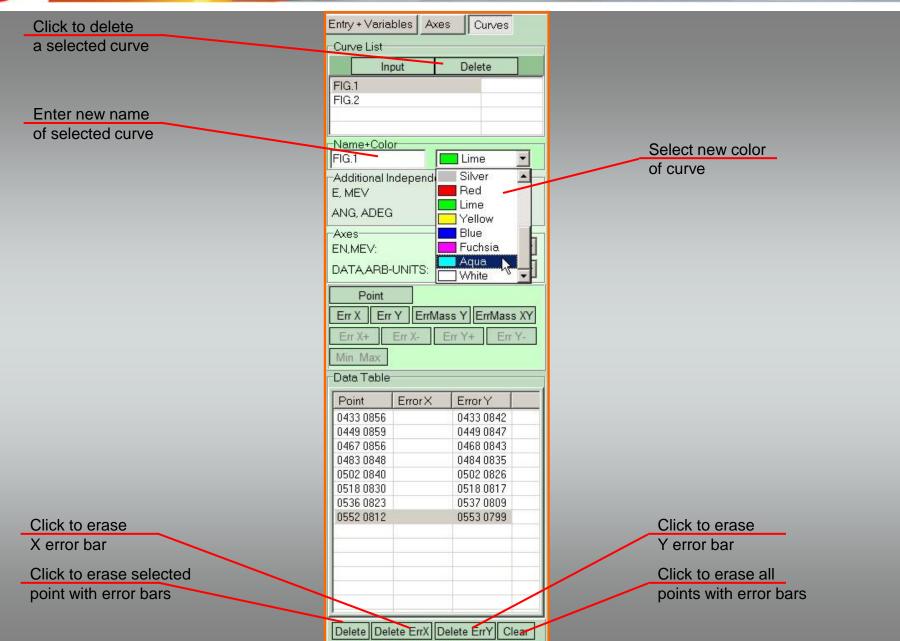
0202 0309

0224 0326



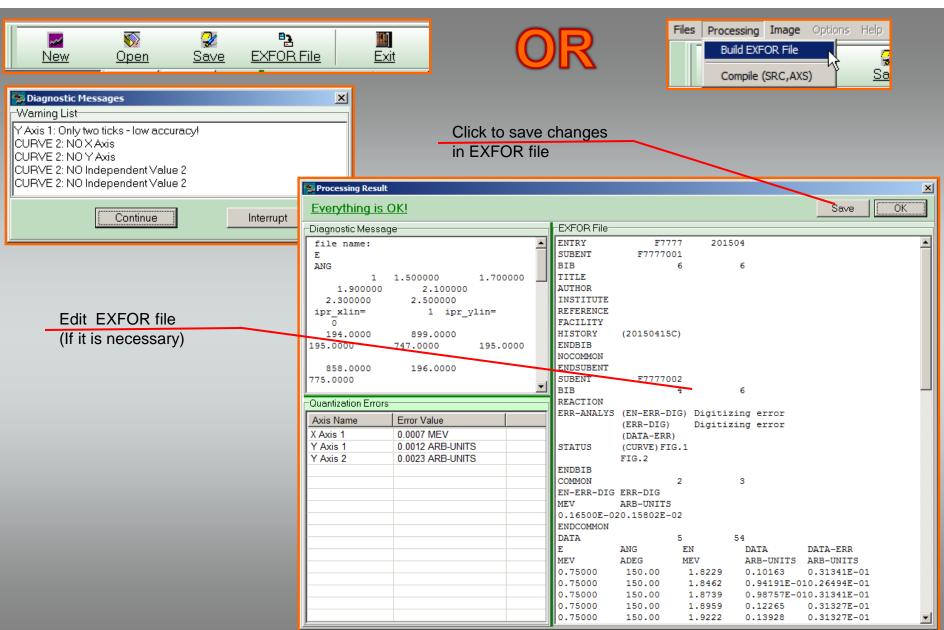


New Possibilities for Curves Editing





Data Compilation

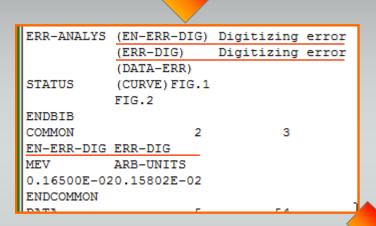




Calculation of Digitizing Error

$$\delta_{x} = \sqrt{\frac{\sum_{i=1}^{nx} (\overline{x}_{i} - x_{i})^{2}}{n-1}}; \quad \delta_{y} = \sqrt{\frac{\sum_{i=1}^{ny} (\overline{y}_{i} - y_{i})^{2}}{n-1}}$$

Quantization error (Δ) = pixel value/2

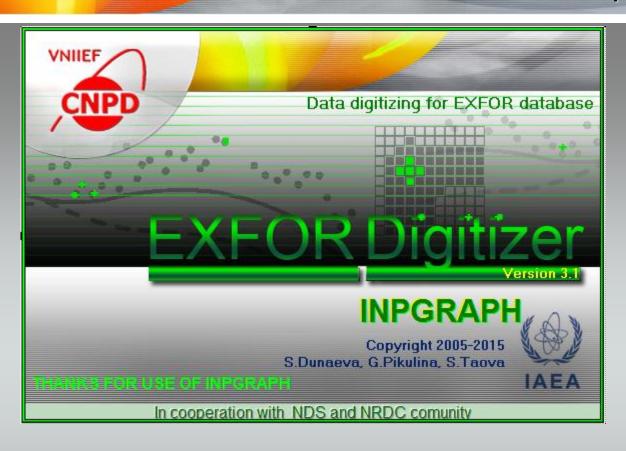


Quantization Errors	¥
Axis Name	Error Value
X Axis 1	0.0007 MEV
Y Axis 1	0.0012 ARB-UNITS
Y Axis 2	0.0023 ARB-UNITS

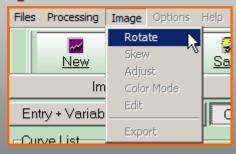
Digitizing error = $Max(\delta, \Delta)$

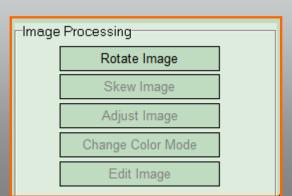
Approvement is necessary

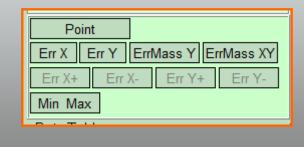




Our plans:











THANK YOU!

