

# User's interface of a program on graphic data processing for the Exfor data library: approaches, solutions, capabilities

Workshop on the Experimental Nuclear Reaction Database (EXFOR)

October 6-10, 2014, IAEA, Vienna

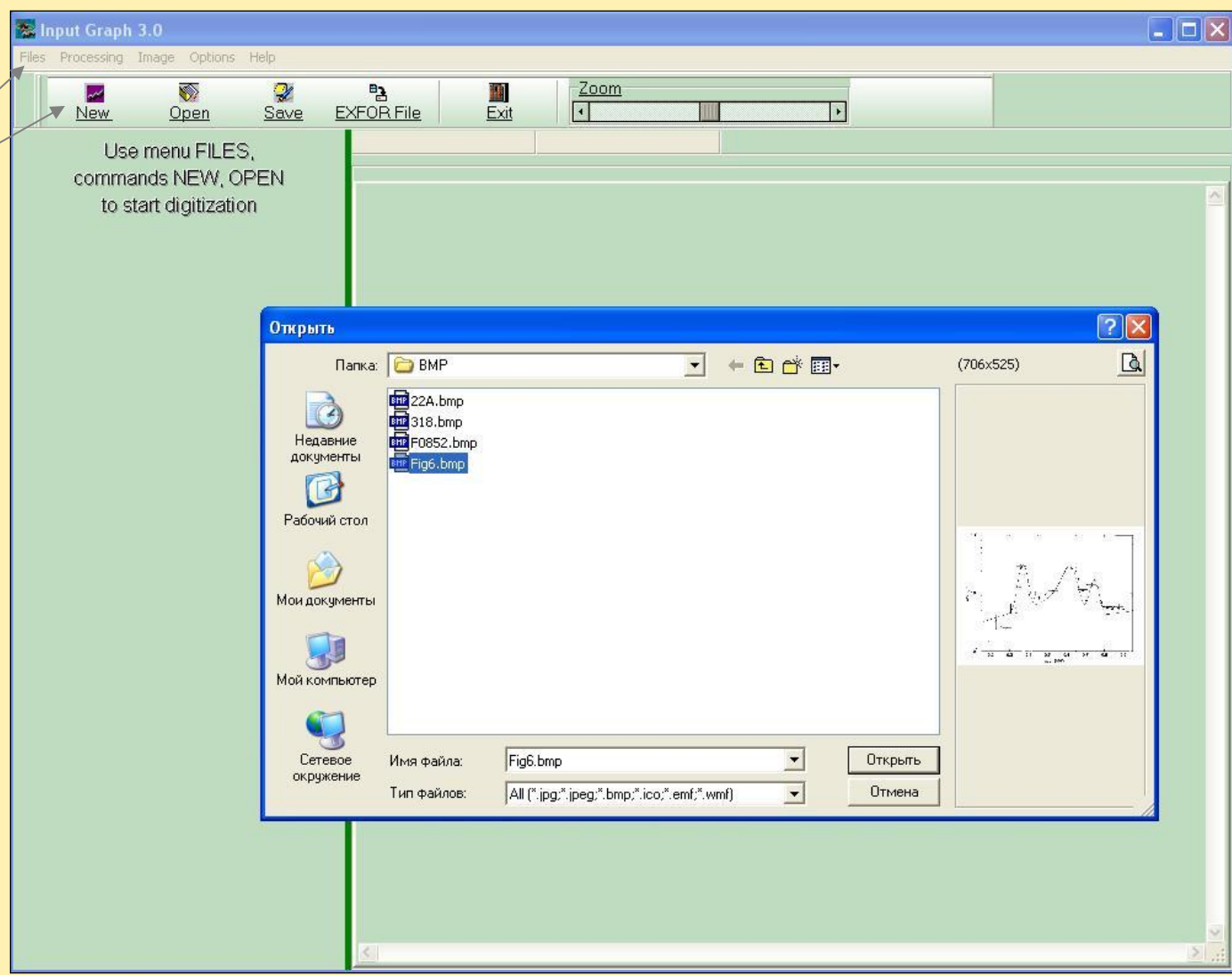
S.M. Taova

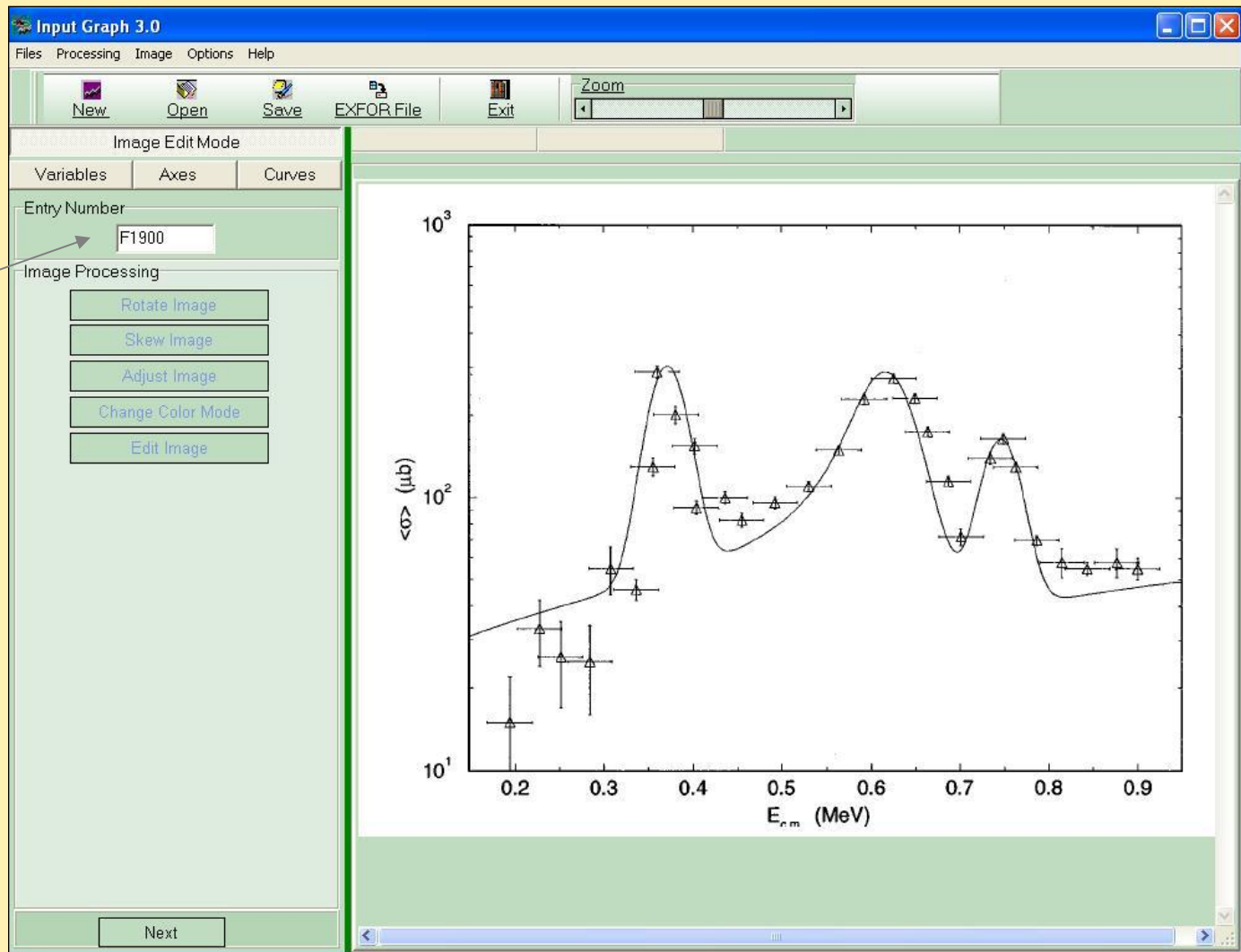
Russian Federal Nuclear Center-VNIIEF

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

Open File

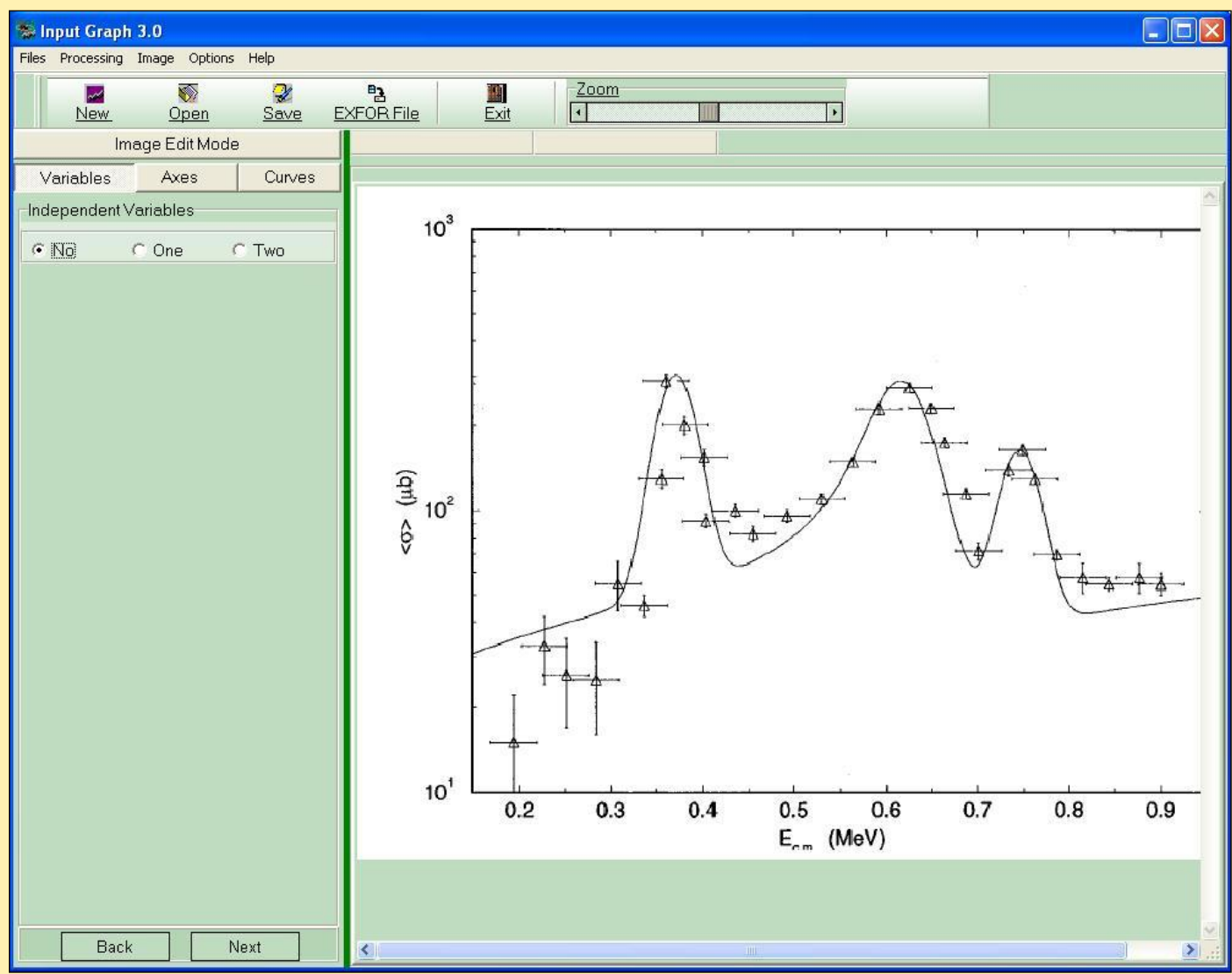
Use menu FILES,  
commands NEW, OPEN  
to start digitization



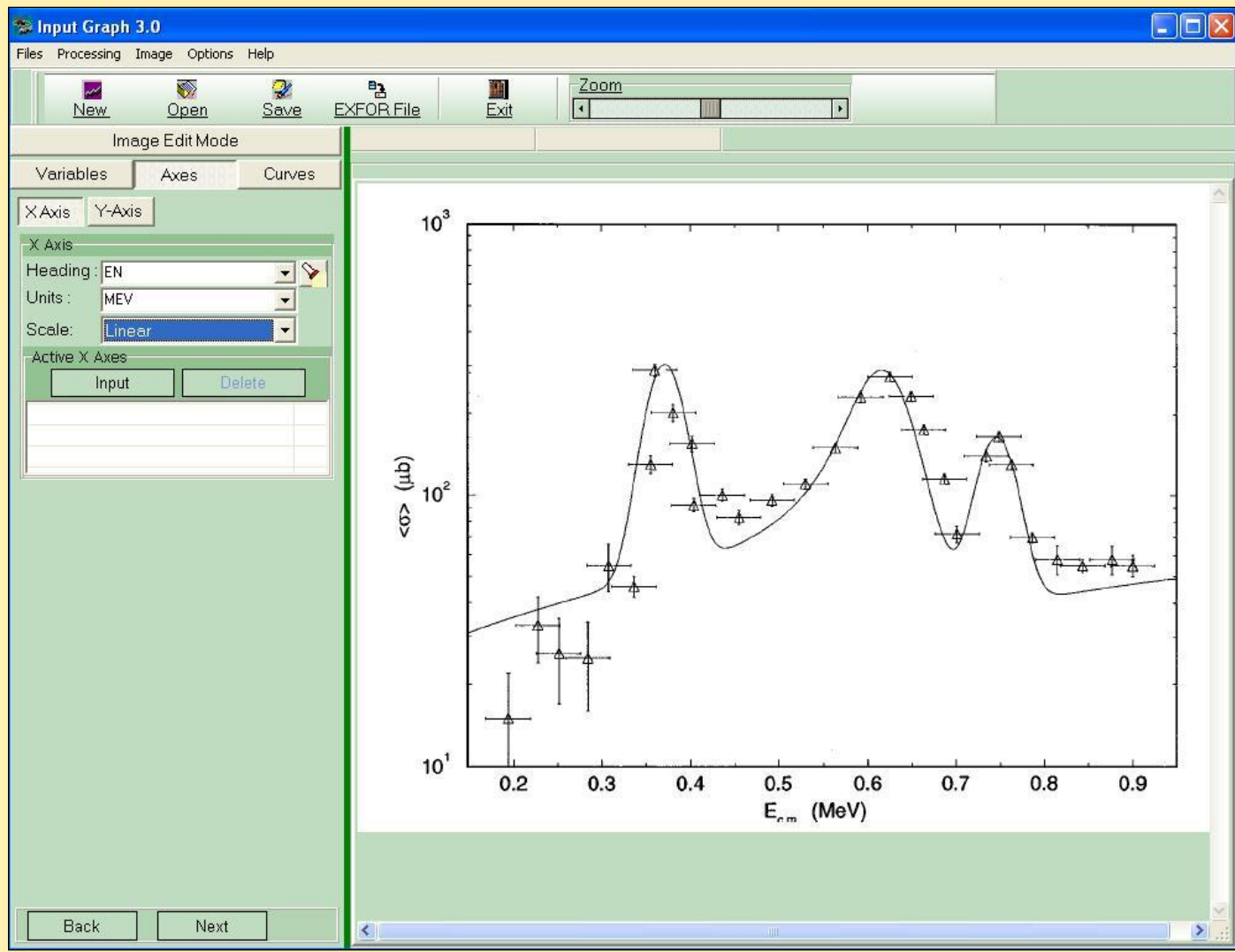


Enter Project  
name

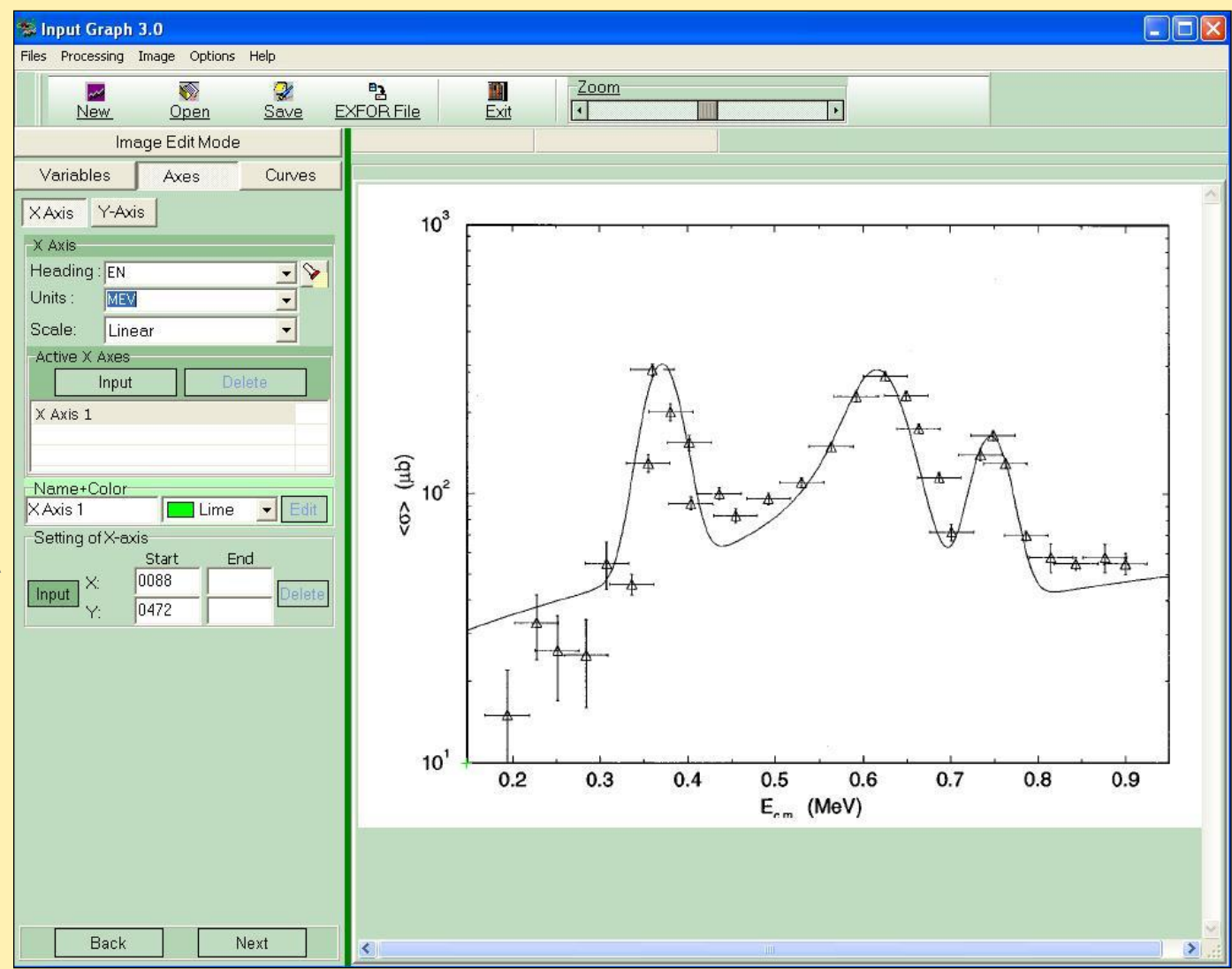
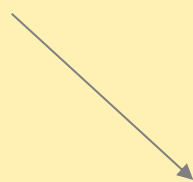
Set the number of independent variables



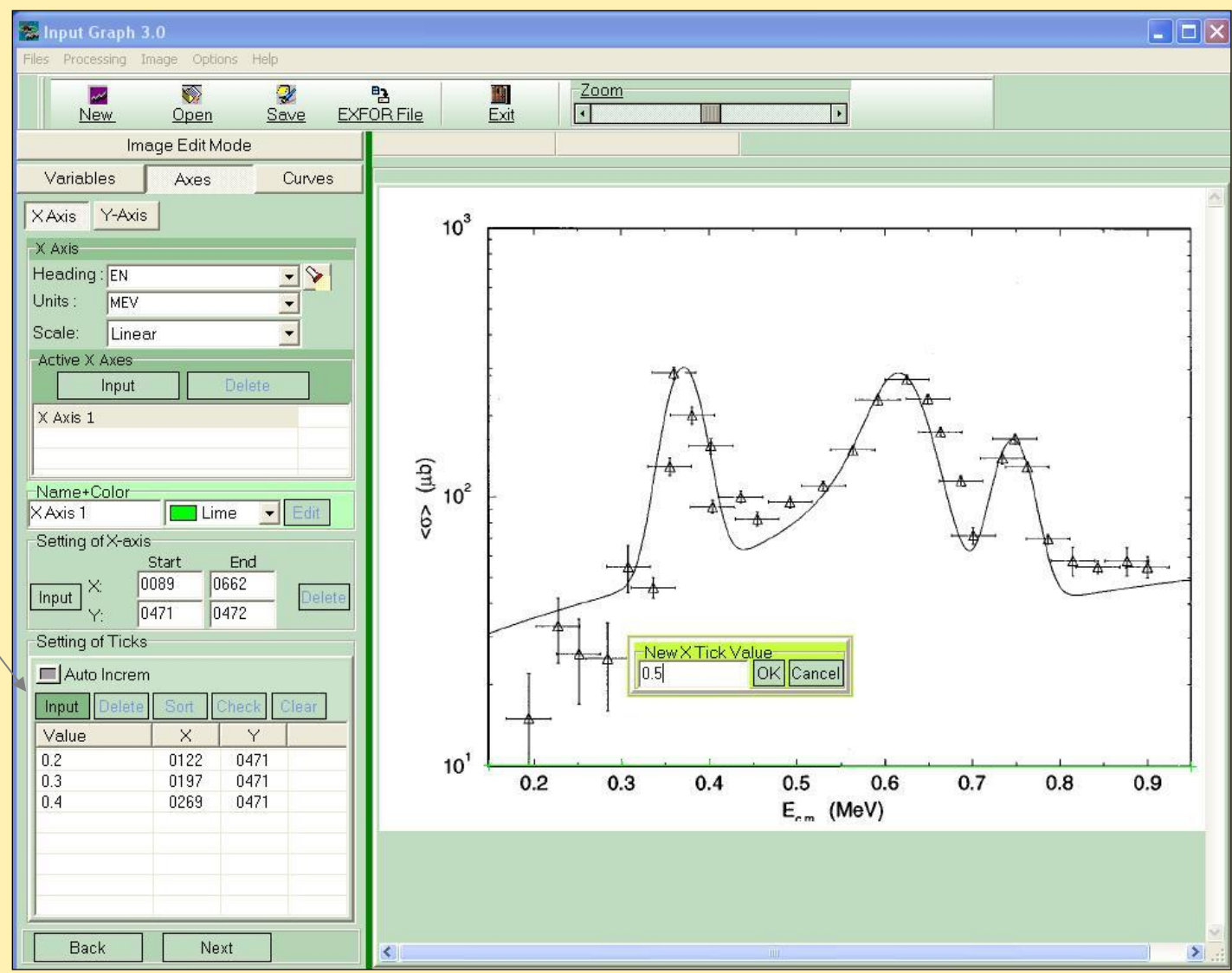
Enter information  
about the axis



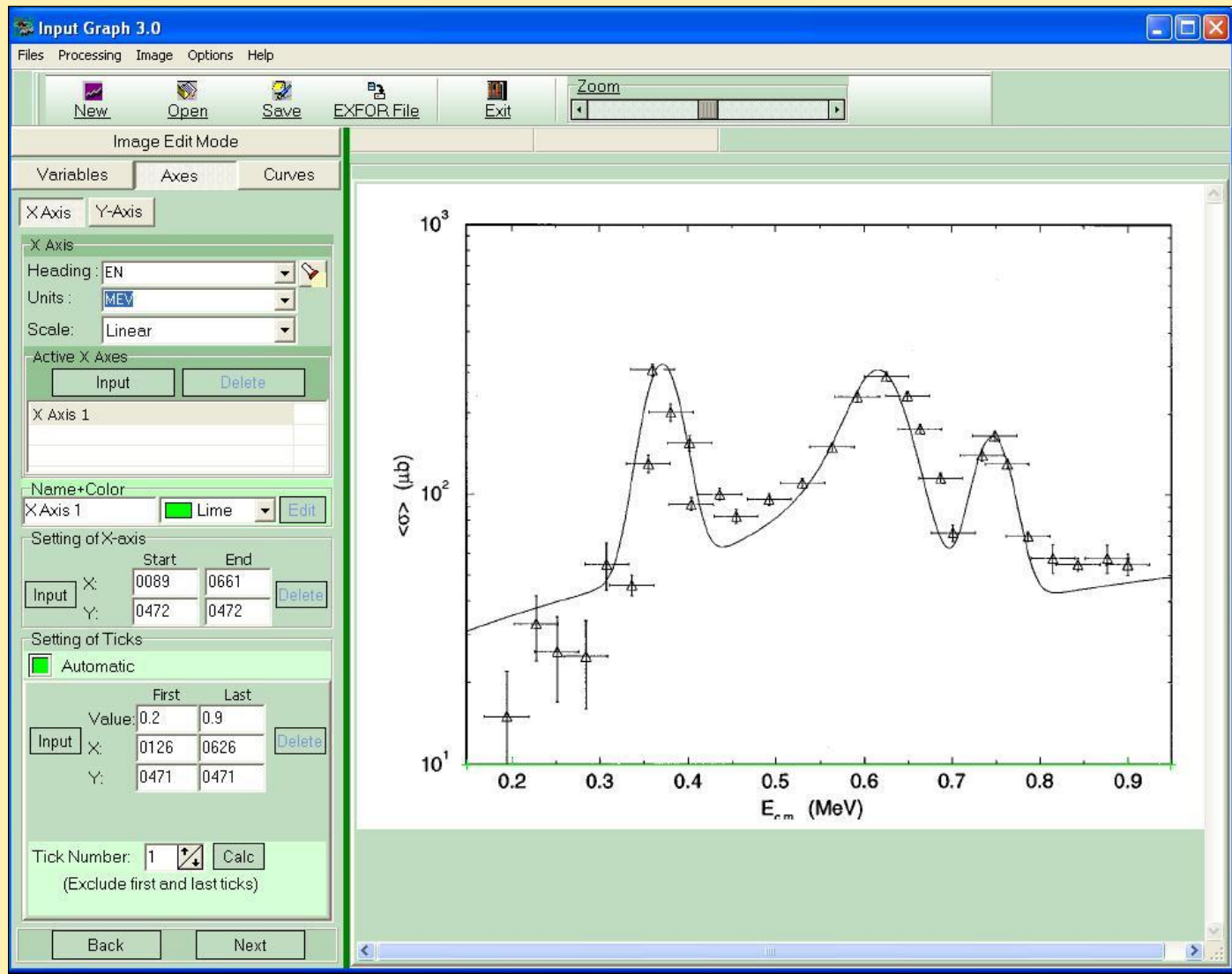
Set axis direction



Set the ticks  
(Manual)

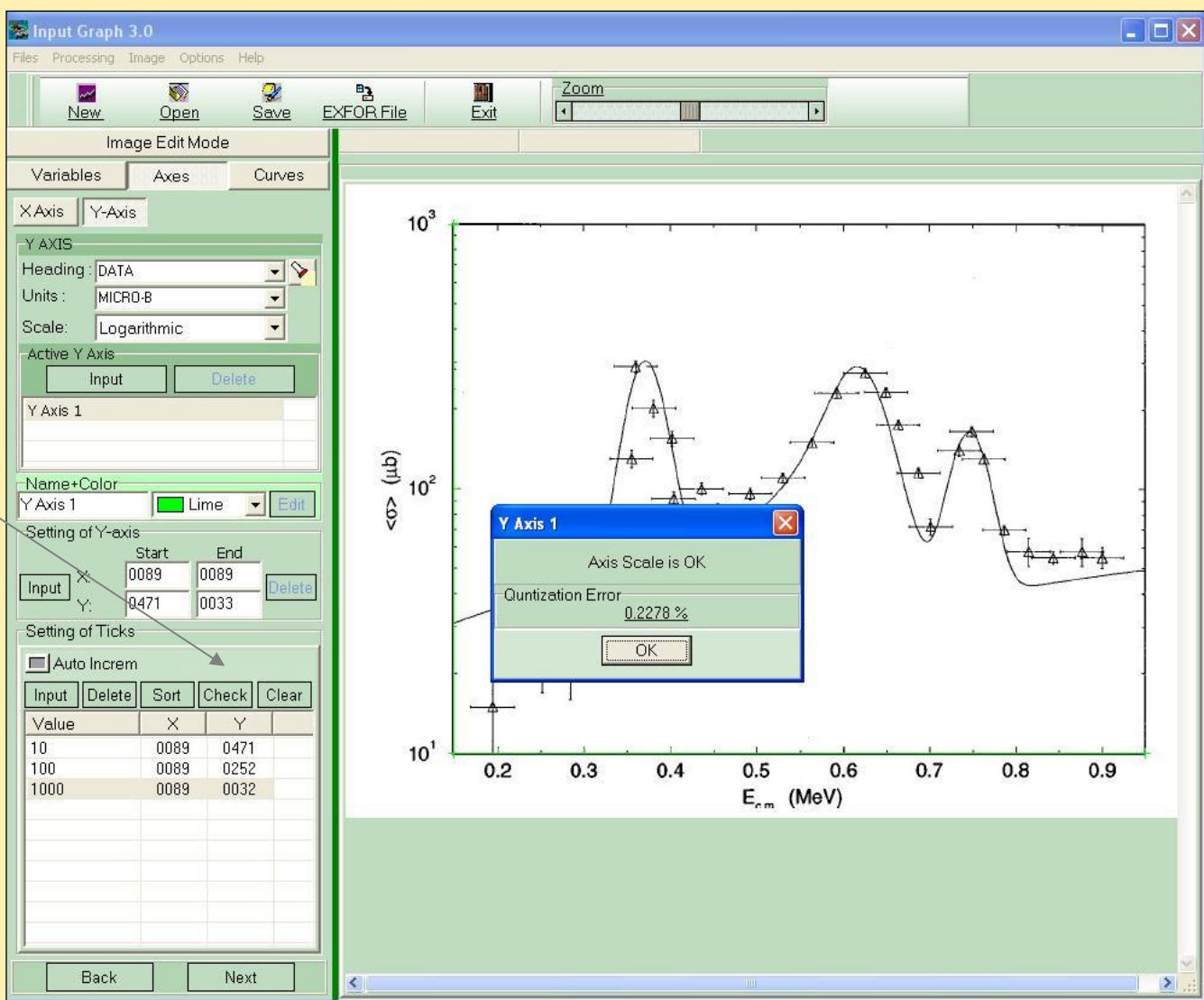


Set the  
ticks  
(Automatic)

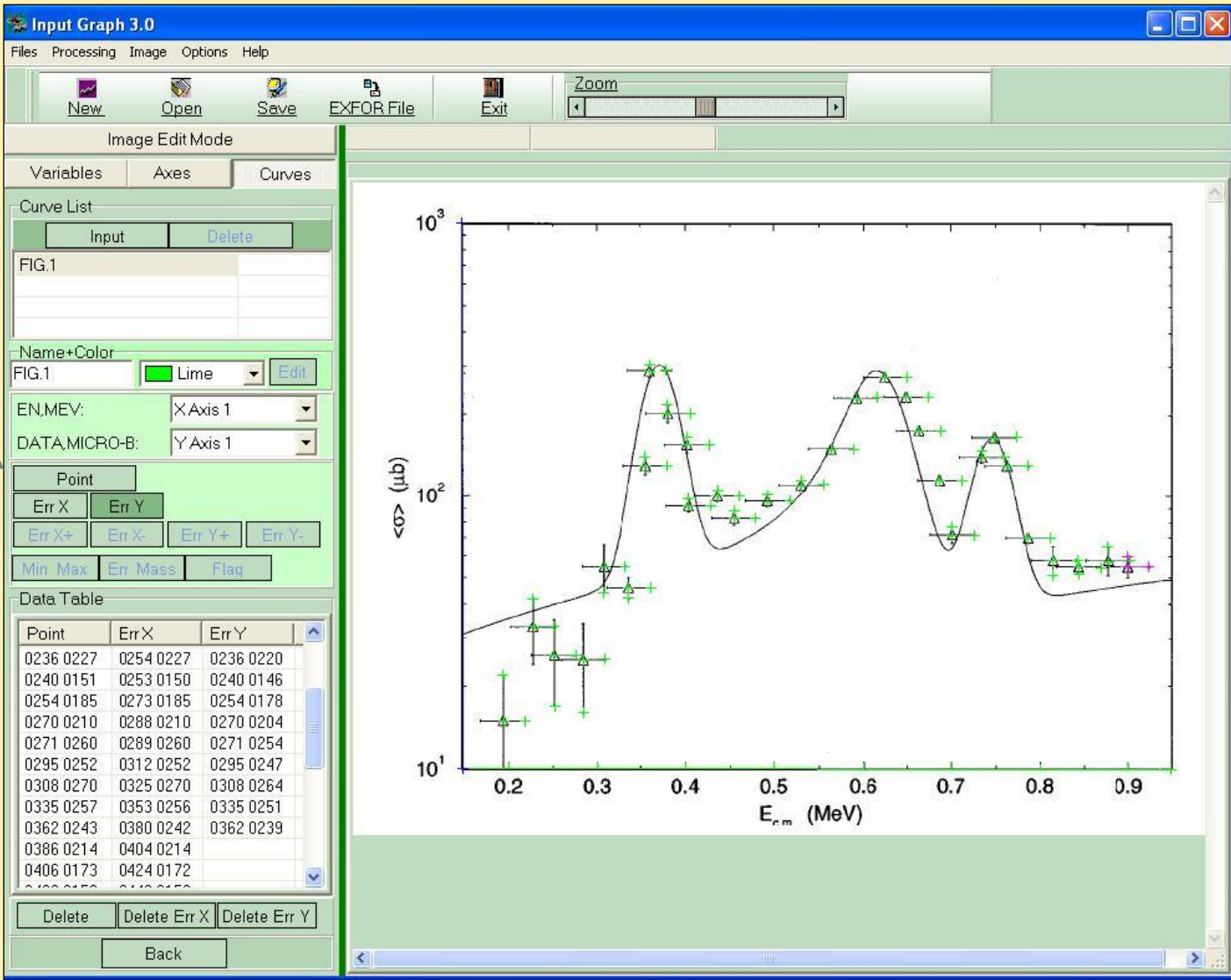




Check  
the axis



Enter points  
and error bars



Create  
Exfor file

The screenshot shows the 'Input Graph 3.0' application window. A 'Processing Result' dialog box is open, displaying the following information:

**Everything is OK!**

Save OK

**Diagnostic Message**

```

file name:
-999
-999
      1  0.2000000  0.3000000
 0.4000000  0.5000000
 0.6000000  0.7000000
ipr_xlin=      1 ipr_ylin=
0
88.00000      472.0000
88.00000      32.00000      88.00000
      471.0000      89.00000
252.0000      89.00000      32.00000
  
```

**Quantization Errors**

Axis Name	Error Value
X Axis 1	0.0007 MEV
Y Axis 1	0.2278 %

**EXFOR File**

```

ENTRY      F1900      201410
SUBENT     F1900001
BIB        6          6
TITLE
AUTHOR
INSTITUTE
REFERENCE
FACILITY
HISTORY    (20141003C)
ENDBIB
NOCOMMON
ENDSUBENT
SUBENT     F1900002
BIB        4          3
REACTION
ERR-ANALYS (EN-ERR-DIG) Digitizing error
              (ERR-DIG) Digitizing error
STATUS
              (CURVE) FIG.1
ENDBIB
COMMON
EN-ERR-DIG ERR-DIG      2          3
MEV      PER-CENT
0.78664E-030.47267
  
```