

Discussion of Data from Subents 41202.002 and 41224.002

(M. Mikhailiukova, 2019-04-01, Memo 4C-4/222)

There are two Subents with almost the same data in different Entries, compiled for the same article J,ZET,31,169,1956 (J,JET,4,161,1957-Engl,transl.):
41202.002 and 41224.002

	41202.002	41224.002
STATUS	CURVE	SCSRS, from 80348.002
Source of data	Digitization of Fig. in article	Not known
Date of compilation	1996-08-08	1997-04-07
Number of points	15	15
Dependence from	ANG-CM	COS-CM
Errors	Stat. for all points	Stat., not given for 3 points

Data are:

41202.002	CURVE		41224.002	SCSRS	
ANG-CM	DATA	ERR-S	COS-CM	DATA-CM	ERR-S
ADEG	MB/SR	MB/SR	NO-DIM	MB/SR	MB/SR
35.	3.75	0.2	8.1900E-01	3.7000E+00	2.0000E-01
45.	3.0	0.3	7.0700E-01	3.0000E+00	3.0000E-01
53.	2.32	0.2	5.8800E-01	2.3000E+00	2.0000E-01
62.	2.12	0.2	4.5400E-01	2.1000E+00	2.0000E-01
72.	1.67	0.13	2.9200E-01	1.6000E+00	1.0000E-01
82.	1.1	0.12	1.2200E-01	1.1000E+00	1.0000E-01
92.	0.86	0.1	-5.2000E-02	9.0000E-01	-
102.	0.76	0.1	-2.2500E-01	8.0000E-01	-
113.	0.79	0.1	-4.0700E-01	8.0000E-01	-
123.	0.92	0.1	-5.5900E-01	1.0000E+00	1.0000E-01
135.	1.65	0.15	-7.1900E-01	1.7000E+00	1.0000E-01
147.	2.05	0.2	-8.3900E-01	2.1000E+00	2.0000E-01
157.	3.34	0.3	-9.1400E-01	3.4000E+00	3.0000E-01
170.	5.25	0.5	-9.7800E-01	5.4000E+00	5.0000E-01
180.	8.31	0.7	-9.9900E-01	8.5000E+00	8.0000E-01

All points on the figure of the article have error bars:

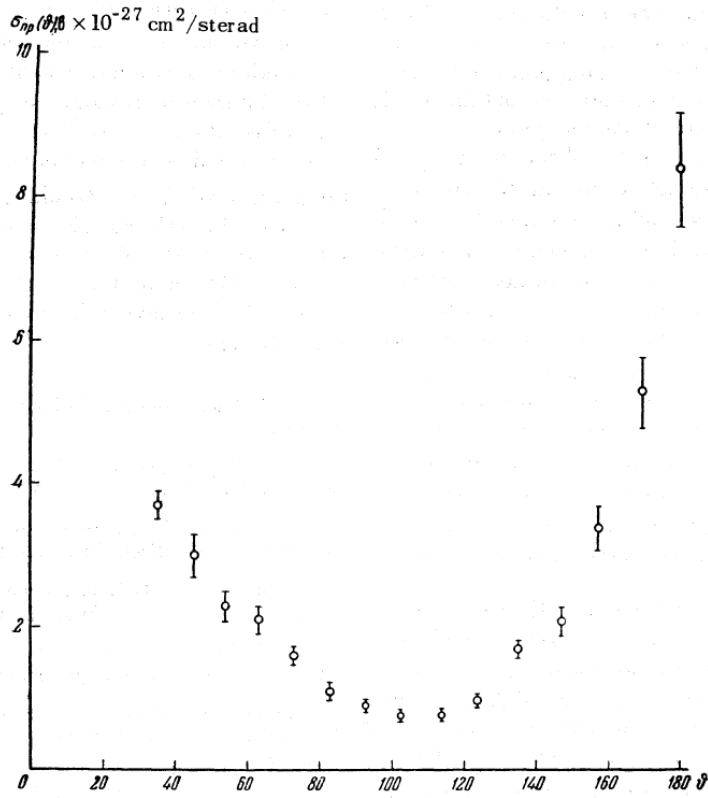
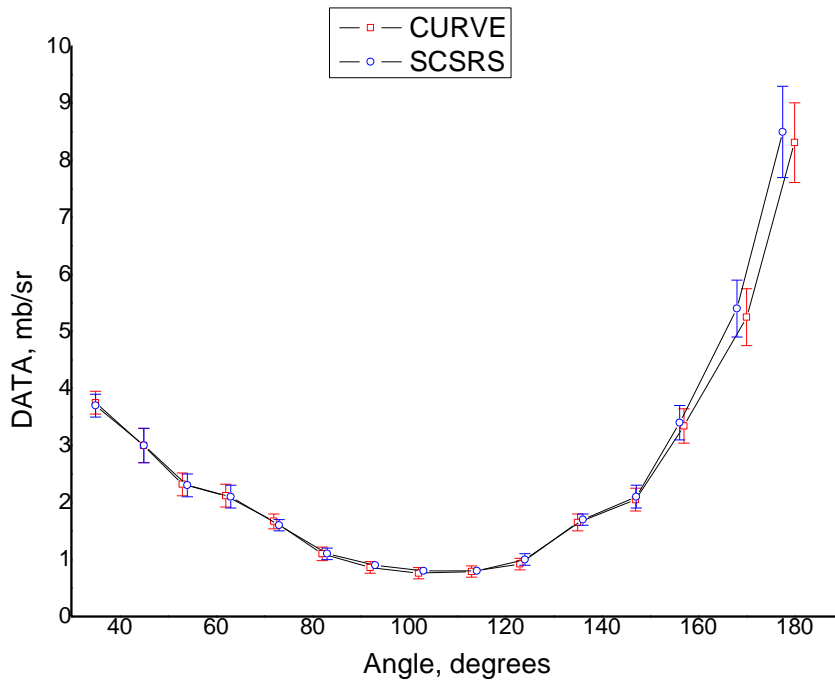


FIG. 2. Dependence of the differential cross section of angular ($n-p$) scattering on the scattering angle (in the center of inertia system).

Comparison of two data sets:



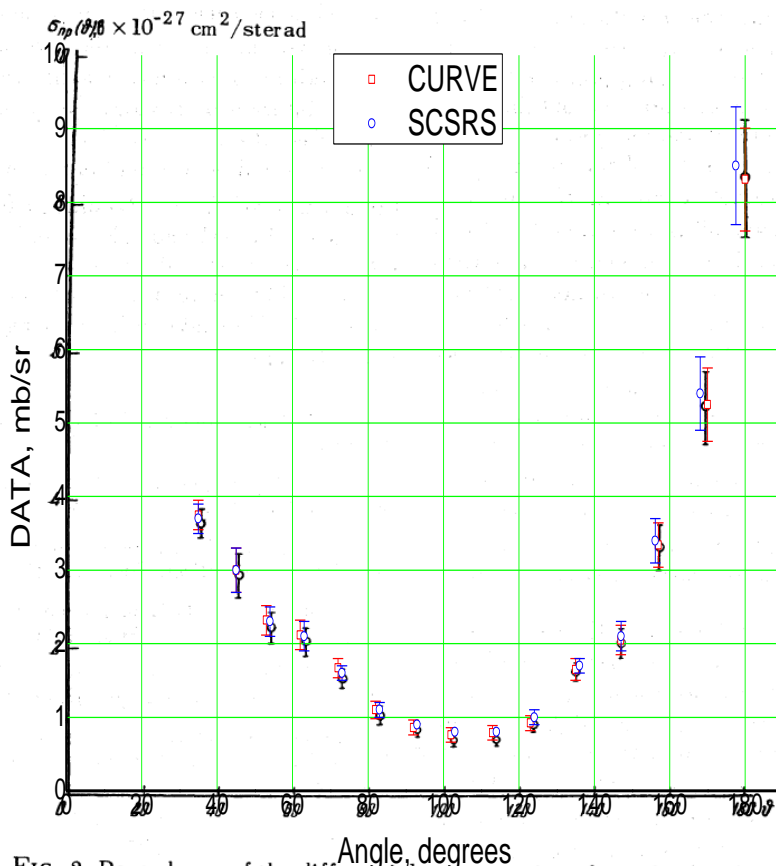


FIG. 2. Dependence of the differential cross section of angular ($n-p$) scattering on the scattering angle (in the center of inertia system).

Almost the same case was found for Subents 41242.004 and 40788.002.

Questions :

- 1) have we to save both these sets in EXFOR ?
- 2) have we merge these sets in one Entry ?
- 3) have we delete one of these two sets ? Which one?

Marina's proposal:

Save both Subents as they are and use code
 SPSDD (if we can define, what set is better) or
 COREL (if we can not define what set is better);
 do not merge these two Entries, because they were compiled more than 20 years ago .

Naohiko's proposal:

Merge these two Entries and save only one of two data sets.