

MEMO 4C-2/144

NDB/1547/cel
2nd November 1988.

To: Distribution
From: I. Forest *I.F.S.*
Subject: EXFOR entry 12877

Please find enclosed some remarks about EXFOR entry 12877.

cc. De Moraes Cunha
Goulo
Tin Hanny Kyi
Lammes
Lemmel
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Schmidt
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SUBENT 12877003 851223

BIB

REACTION (94-PU-240(N,F),,SIG)

MONITOR (94-PU-239(N,F),,SIG)

THE PU-240 CROSS SECTION WAS NORMALIZED
RELATIVE TO THE PU-239 FISSION CROSS
SECTION BY THE THRESHOLD TECHNIQUE.

SAMPLE 35.62 MG OF HIGH ISOTOPIC PURITY-14 DEPOSITS
4.27 MG(95 PERCENT PU-240 AND 5 PERCENT PU-239)-
TWO DEPOSITS

ERR-ANALYS (ERR-T)UNCERTAINTIES DERIVED FROM FIT TO THE DATA.
STATISTICAL AND SYSTEMATIC UNCERTAINTIES FOR
GROUP AVERAGED CROSS SECTIONS ARE -

EN-MIN EV	EN-MAX EV	STAT PERCENT	SYST PERCENT
0.	1.371	+1	
1.371	+1 2.260	+1 5.10	27.0
2.260	+1 6.144	+1 35.00	210.0
6.144	+1 1.670	+2 3.00	23.0
1.670	+2 4.540	+2 2.20	12.0
4.540	+2 1.234	+3 0.34	2.0
1.234	+3 3.355	+3 0.27	3.7
3.355	+3 9.119	+3 0.37	3.2
9.119	+3 2.4790	+4 0.25	2.6
2.4790	+4 6.7380	+4 0.19	3.3
6.7380	+4 1.1110	+5 0.73	4.7

THE SYSTEMAIC UNCERTAINTY DOES NOT INCLUDE THE
NORMALIZATION UNCERTAINTY=2.0 PERCENT.
(851106A) BLANK DATA LINE DELETED.

HISTORY

ENDBIB

NOCOMMON

DATA 0 0
3 9409

EN DATA ERR-T
EV B B

1.1000E+02-7.1380E-02 7.3010E-02 *****
1.1010E+02-6.2570E-02 7.3850E-02 * Please,note that in the subentries 3,4,5 *
1.1030E+02 2.0510E-02 7.6250E-02 *
1.1040E+02 1.7250E-02 7.7000E-02 * of this entry 12877, the column of energies*
1.1040E+02-2.8560E-02 1.0670E-01 *
1.1050E+02-1.1480E-02 1.0530E-01 * gives twice the same energy for different *
1.1050E+02-5.6990E-03 1.0700E-01 *
1.1060E+02-1.1740E-01 1.0680E-01 * data. The last digit,on the right is always*
1.1070E+02-1.1910E-01 1.0390E-01 *
1.1070E+02-1.9730E-01 1.0030E-01 * zero. It seems that the loss of accuracy is*
1.1080E+02-2.1080E-01 1.0230E-01 *
1.1080E+02 2.0700E-02 1.0770E-01 * due to rounding off too many digits. *
1.1090E+02 1.6140E-01 1.1180E-01 *
1.1090E+02 1.2320E-02 1.1150E-01 * Could this entry be retransmitted since *
1.1100E+02-5.8270E-02 1.0620E-01 *
1.1100E+02 6.7360E-02 1.0580E-01 * we have already requests for it ? *
1.1110E+02 1.2200E-01 1.0740E-01 *
1.1120E+02 3.7760E-02 1.0420E-01 *****
1.1120E+02 3.7310E-02 1.0370E-01
1.1130E+02 1.1340E-01 1.0730E-01
1.1130E+02-9.4320E-02 1.0180E-01
1.1140E+02 8.7180E-02 1.0370E-01
1.1140E+02 5.2940E-02 1.0450E-01

element	Q	lab	cou	A	blk	serial	H	W	Emin	Emax	reference	date	comments	moddate	R
92 U	235	NF	ORL	USA	1	784	3	E	2.0+1	1.0+5	J NSE 88	567 8412	Weston+ TBLs,GRPHS CFD ENDF/B	841204	+
92 U	235	NF	ORL	USA	1	784	5	E	2.0+1	1.0+5	R DOE-NDC-33 147 8404	8404	Weston+ CFD ENDF-V. AGREES.	840412	+
92 U	235	NF	ORL	USA	1	784	6	E	1.4+1	1.8+5	4 EXPOR12877.004 8511	8511	.9409 PTS. SIGMA.	870527	C
94 PU	239	NF	ORL	USA	1	784	3	E	2.0+1	1.0+5	J NSE 88	567 8412	Weston+ TBLs,GRPHS CFD ENDF/B	841204	+
94 PU	239	NF	ORL	USA	1	784	5	E	2.0+1	1.0+5	R DOE-NDC-33 147 8404	8404	Weston+ CFD ENDF-V. LOWER ABOVE25KEV.	840412	+
94 PU	239	NF	ORL	USA	1	784	6	E	1.4+1	1.8+5	4 EXPOR12877.003 8511	8511	.9409 PTS. SIGMA.	851114	+
94 PU	240	NF	ORL	USA	1	784	3	E	2.0+1	1.0+5	J NSE 88	567 8412	Weston+ TBLs,GRPHS CFD ENDF/B	841204	+
94 PU	240	NF	ORL	USA	1	784	5	E	2.0+1	1.0+5	R DOE-NDC-33 147 8404	8404	Weston+ REL 10B (N,A),6LI (N,A).	840412	+
94 PU	240	NF	ORL	USA	1	784	6	E	1.4+1	1.8+5	4 EXPOR12877.003 8511	8511	.9409 PTS. SIGMA.	851114	+
94 PU	240	RES	ORL	USA	1	784	3	E	2.0+1	3.4+3	J NSE 88	567 8412	Weston+ TBL.E0,WF,WN(WF/WT)	841204	+
94 PU	240	RES	ORL	USA	1	784	5	E	2.0+1	5.7+3	R DOE-NDC-33 147 8404	8404	Weston+ NDG.	840412	+
94 PU	240	RES	ORL	USA	1	784	6	E	2.0+1	5.7+3	4 EXPOR12877.002 8407	8407	.261 RES. E0, WN, FISS AREA.	840831	+
94 PU	240	RES	ORL	USA	1	784	6	E	4.7+2	5.7+3	4 EXPOR12877.006 8407	8407	.8 RES. NOT SEEN IN FISSION.	840831	+

→ The subentry accession number is not correct and should be 12877.005