

Memo 4C-3/136

To: Distribution

2 September 1975

From: A. Calamand *CA*

Subject: New "edited" Exfor listing at NDS

Please, find attached some samples of the "edited" format of EXFOR which is now in operation at NDS. The program was written by Pamela Attree and Peter Smith in consultation with other NDS staff. For tables with more than six columns basically the format developed by Hans Potters was used.

Attachment

Distribution:

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"EDITED" LISTING

"STANDARD" LISTING

FIRST SUBENTRY 30282.001

SECOND SUBENTRY 30282.002

THIRD SUBENTRY 30282.003

NUCLEAR DATA SECTION, INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA. ACCESSION NUMBER EXFOR 30282.001

BLIOGRAPHY, EXPERIMENTAL DESCRIPTOR, EXPLANATICS  
 TITLE ACTIVATION CROSS-SECTIONS OF PT-198 WITH FAST NEUTRONS  
 AUTHOR (I-URAY, A-SZALAY)  
 INSTITUTE ATOMKI, DEBRECEN, HUNGARY  
 EXP-YEAR (73)  
 REFERENCE ATOMKI(ATCHMAG KUT,INTEZ-KOZLEM., 15, (3), 161 (MAR.1973) : FULL INFORMATION, PROGRAMPT-INDC(HUN)-11, 14 (SEP.1973) : ABSTRACT ONLY  
 SAMPLE MEASUREMENTS WERE MADE SIMULTANEOUSLY WITH NATURAL AND ENRICHED PT SAMPLES (87.68 PERCENT PT-198).  
 STANDARD | 78-PT-198 PARTIAL (N,2N) CS POPULATING A METASTABLE STATE OF THE RESIDUAL NUCLEUS  
 (78-PT-198,N2N,MS) NUMERICAL VALUE FROM P. WINIWAERTER, NUCLEUS 158(1970)77. BRANCHING RATIOS AND CONVERSION COEFFICIENT WERE TAKEN FROM M. B. LEWIS, NUCL. DATA SHEETS 87(1972) 129.  
 HALF-LIFE (HL1,78-PT-197-M) THE HALF-LIFE OF THE STANDARD 346 KEV ISOMERIC TRANSITION WAS MEASURED BY AUTHOR.  
 FACILITY 240 KV NEUTRON GENERATOR OF ATOMKI  
 N-SOURCE (D-7) TID, NALPHA REACTION, THE NEUTRON YIELD WAS ABOUT 5\*10^4 NEUTRONS/SEC.  
 METHOD (ACTIV) ACTIVATION METHOD  
 DETECTOR (GEL) 12 CM3 GEL(1) DETECTOR WITH A RESOLUTION (FWHM) OF 3-5 KEV AT 661 KEV. ENERGY CALIBRATION WAS PERFORMED WITH AIEA STANDARD SOURCES.  
 STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.  
 HISTORY (741125C) CA  
 \*\*\*\*\*

CONSTANT PARAMETERS  
 EN # 150.0  
 EN-RSL # Co4  
 STAND # 894.  
 STAND-ERR # 101.  
 HL1 # 5A.4 MIN  
 HL1-ERR # 0.6 MIN  
 \*\*\*\*\*

STAND DEFINED ABOVE UNDER STANDARD.  
 THE ABOVE INFORMATION APPLIES TO ALL SUB-ACCESSION NUMBERS STARTING WITH 30282.

INFORMATION COMMON TO THE ENTIRE ENTRY

KEYWORDS  
 HALF-LIFE  
 ISOMERIC TRANSITION  
 NEUTRON GENERATOR  
 NEUTRON YIELD  
 ACTIVATION METHOD  
 GEL DETECTOR  
 STANDARD SOURCES  
 ENERGY CALIBRATION

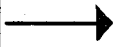
CODES  
 EN-RSL # 6  
 STAND # 3  
 MEV # 894.  
 MB # 101.  
 MIN # 5A.4  
 MIN-ERR # 0.6  
 \*\*\*\*\*

CONSTANT PARAMETERS TO ALL SUBENTRIES IN ENTRY 30282.

3028200100001	30282001	741205
3028200100002	14	23
3028200100003	ACTIVATION CROSS-SECTIONS OF PT-198 WITH FAST NEUTRONS (I-URAY, A-SZALAY)	
3028200100004	(3HUNDEB)	
3028200100005	(73)	
3028200100006	(J-AK, 15, (3), 161, 7303) FULL INFORMATION, (P-INDCHUN)-11, 14, 7309) ABSTRACT ONLY	
3028200100007	MEASUREMENTS WERE MADE SIMULTANEOUSLY WITH NATURAL AND ENRICHED PT SAMPLES (87.68 PERCENT PT-198).	
3028200100008	(78-PT-198, N2N, MS) NUMERICAL VALUE FROM P. WINIWAERTER, NUCLEUS 158(1970)77. BRANCHING RATIOS AND CONVERSION COEFFICIENT WERE TAKEN FROM M. B. LEWIS, NUCL. DATA SHEETS 87(1972) 129.	
3028200100009	(HL1,78-PT-197-M) THE HALF-LIFE OF THE STANDARD 346 KEV ISOMERIC TRANSITION WAS MEASURED BY AUTHOR.	
3028200100010	240 KV NEUTRON GENERATOR OF ATOMKI	
3028200100011	(D-7) TID, NALPHA REACTION, THE NEUTRON YIELD WAS ABOUT 5*10^4 NEUTRONS/SEC.	
3028200100012	(ACTIV) ACTIVATION METHOD	
3028200100013	(GEL) 12 CM3 GEL(1) DETECTOR WITH A RESOLUTION (FWHM) OF 3-5 KEV AT 661 KEV. ENERGY CALIBRATION WAS PERFORMED WITH AIEA STANDARD SOURCES.	
3028200100014	DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100015	(741125C) CA.	
3028200100016	23	
3028200100017	EN-RSL # 6	STAND # 3
3028200100018	MEV # 894.	MB # 101.
3028200100019	MIN # 5A.4	MIN-ERR # 0.6
3028200100020	HL1-ERR # 0.6	MIN
3028200100021	*****	*****
3028200100022	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100023	HISTORY (741125C) CA.	
3028200100024	*****	*****
3028200100025	EN-RSL # 6	STAND-ERR # 101.
3028200100026	MEV # 894.	MB # 101.
3028200100027	MIN # 5A.4	MIN-ERR # 0.6
3028200100028	HL1-ERR # 0.6	MIN
3028200100029	*****	*****
3028200100030	EN-RSL # 6	STAND # 3
3028200100031	MEV # 894.	MB # 101.
3028200100032	MIN # 5A.4	MIN-ERR # 0.6
3028200100033	HL1-ERR # 0.6	MIN
3028200100034	*****	*****
3028200100035	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100036	HISTORY (741125C) CA.	
3028200100037	*****	*****
3028200100038	EN-RSL # 6	STAND-ERR # 101.
3028200100039	MEV # 894.	MB # 101.
3028200100040	MIN # 5A.4	MIN-ERR # 0.6
3028200100041	HL1-ERR # 0.6	MIN
3028200100042	*****	*****
3028200100043	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100044	HISTORY (741125C) CA.	
3028200100045	*****	*****
3028200100046	EN-RSL # 6	STAND-ERR # 101.
3028200100047	MEV # 894.	MB # 101.
3028200100048	MIN # 5A.4	MIN-ERR # 0.6
3028200100049	HL1-ERR # 0.6	MIN
3028200100050	*****	*****
3028200100051	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100052	HISTORY (741125C) CA.	
3028200100053	*****	*****
3028200100054	EN-RSL # 6	STAND-ERR # 101.
3028200100055	MEV # 894.	MB # 101.
3028200100056	MIN # 5A.4	MIN-ERR # 0.6
3028200100057	HL1-ERR # 0.6	MIN
3028200100058	*****	*****
3028200100059	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100060	HISTORY (741125C) CA.	
3028200100061	*****	*****
3028200100062	EN-RSL # 6	STAND-ERR # 101.
3028200100063	MEV # 894.	MB # 101.
3028200100064	MIN # 5A.4	MIN-ERR # 0.6
3028200100065	HL1-ERR # 0.6	MIN
3028200100066	*****	*****
3028200100067	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100068	HISTORY (741125C) CA.	
3028200100069	*****	*****
3028200100070	EN-RSL # 6	STAND-ERR # 101.
3028200100071	MEV # 894.	MB # 101.
3028200100072	MIN # 5A.4	MIN-ERR # 0.6
3028200100073	HL1-ERR # 0.6	MIN
3028200100074	*****	*****
3028200100075	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100076	HISTORY (741125C) CA.	
3028200100077	*****	*****
3028200100078	EN-RSL # 6	STAND-ERR # 101.
3028200100079	MEV # 894.	MB # 101.
3028200100080	MIN # 5A.4	MIN-ERR # 0.6
3028200100081	HL1-ERR # 0.6	MIN
3028200100082	*****	*****
3028200100083	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100084	HISTORY (741125C) CA.	
3028200100085	*****	*****
3028200100086	EN-RSL # 6	STAND-ERR # 101.
3028200100087	MEV # 894.	MB # 101.
3028200100088	MIN # 5A.4	MIN-ERR # 0.6
3028200100089	HL1-ERR # 0.6	MIN
3028200100090	*****	*****
3028200100091	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100092	HISTORY (741125C) CA.	
3028200100093	*****	*****
3028200100094	EN-RSL # 6	STAND-ERR # 101.
3028200100095	MEV # 894.	MB # 101.
3028200100096	MIN # 5A.4	MIN-ERR # 0.6
3028200100097	HL1-ERR # 0.6	MIN
3028200100098	*****	*****
3028200100099	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100100	HISTORY (741125C) CA.	
3028200100101	*****	*****
3028200100102	EN-RSL # 6	STAND-ERR # 101.
3028200100103	MEV # 894.	MB # 101.
3028200100104	MIN # 5A.4	MIN-ERR # 0.6
3028200100105	HL1-ERR # 0.6	MIN
3028200100106	*****	*****
3028200100107	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100108	HISTORY (741125C) CA.	
3028200100109	*****	*****
3028200100110	EN-RSL # 6	STAND-ERR # 101.
3028200100111	MEV # 894.	MB # 101.
3028200100112	MIN # 5A.4	MIN-ERR # 0.6
3028200100113	HL1-ERR # 0.6	MIN
3028200100114	*****	*****
3028200100115	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100116	HISTORY (741125C) CA.	
3028200100117	*****	*****
3028200100118	EN-RSL # 6	STAND-ERR # 101.
3028200100119	MEV # 894.	MB # 101.
3028200100120	MIN # 5A.4	MIN-ERR # 0.6
3028200100121	HL1-ERR # 0.6	MIN
3028200100122	*****	*****
3028200100123	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100124	HISTORY (741125C) CA.	
3028200100125	*****	*****
3028200100126	EN-RSL # 6	STAND-ERR # 101.
3028200100127	MEV # 894.	MB # 101.
3028200100128	MIN # 5A.4	MIN-ERR # 0.6
3028200100129	HL1-ERR # 0.6	MIN
3028200100130	*****	*****
3028200100131	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100132	HISTORY (741125C) CA.	
3028200100133	*****	*****
3028200100134	EN-RSL # 6	STAND-ERR # 101.
3028200100135	MEV # 894.	MB # 101.
3028200100136	MIN # 5A.4	MIN-ERR # 0.6
3028200100137	HL1-ERR # 0.6	MIN
3028200100138	*****	*****
3028200100139	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100140	HISTORY (741125C) CA.	
3028200100141	*****	*****
3028200100142	EN-RSL # 6	STAND-ERR # 101.
3028200100143	MEV # 894.	MB # 101.
3028200100144	MIN # 5A.4	MIN-ERR # 0.6
3028200100145	HL1-ERR # 0.6	MIN
3028200100146	*****	*****
3028200100147	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100148	HISTORY (741125C) CA.	
3028200100149	*****	*****
3028200100150	EN-RSL # 6	STAND-ERR # 101.
3028200100151	MEV # 894.	MB # 101.
3028200100152	MIN # 5A.4	MIN-ERR # 0.6
3028200100153	HL1-ERR # 0.6	MIN
3028200100154	*****	*****
3028200100155	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100156	HISTORY (741125C) CA.	
3028200100157	*****	*****
3028200100158	EN-RSL # 6	STAND-ERR # 101.
3028200100159	MEV # 894.	MB # 101.
3028200100160	MIN # 5A.4	MIN-ERR # 0.6
3028200100161	HL1-ERR # 0.6	MIN
3028200100162	*****	*****
3028200100163	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100164	HISTORY (741125C) CA.	
3028200100165	*****	*****
3028200100166	EN-RSL # 6	STAND-ERR # 101.
3028200100167	MEV # 894.	MB # 101.
3028200100168	MIN # 5A.4	MIN-ERR # 0.6
3028200100169	HL1-ERR # 0.6	MIN
3028200100170	*****	*****
3028200100171	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100172	HISTORY (741125C) CA.	
3028200100173	*****	*****
3028200100174	EN-RSL # 6	STAND-ERR # 101.
3028200100175	MEV # 894.	MB # 101.
3028200100176	MIN # 5A.4	MIN-ERR # 0.6
3028200100177	HL1-ERR # 0.6	MIN
3028200100178	*****	*****
3028200100179	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100180	HISTORY (741125C) CA.	
3028200100181	*****	*****
3028200100182	EN-RSL # 6	STAND-ERR # 101.
3028200100183	MEV # 894.	MB # 101.
3028200100184	MIN # 5A.4	MIN-ERR # 0.6
3028200100185	HL1-ERR # 0.6	MIN
3028200100186	*****	*****
3028200100187	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100188	HISTORY (741125C) CA.	
3028200100189	*****	*****
3028200100190	EN-RSL # 6	STAND-ERR # 101.
3028200100191	MEV # 894.	MB # 101.
3028200100192	MIN # 5A.4	MIN-ERR # 0.6
3028200100193	HL1-ERR # 0.6	MIN
3028200100194	*****	*****
3028200100195	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100196	HISTORY (741125C) CA.	
3028200100197	*****	*****
3028200100198	EN-RSL # 6	STAND-ERR # 101.
3028200100199	MEV # 894.	MB # 101.
3028200100200	MIN # 5A.4	MIN-ERR # 0.6
3028200100201	HL1-ERR # 0.6	MIN
3028200100202	*****	*****
3028200100203	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100204	HISTORY (741125C) CA.	
3028200100205	*****	*****
3028200100206	EN-RSL # 6	STAND-ERR # 101.
3028200100207	MEV # 894.	MB # 101.
3028200100208	MIN # 5A.4	MIN-ERR # 0.6
3028200100209	HL1-ERR # 0.6	MIN
3028200100210	*****	*****
3028200100211	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100212	HISTORY (741125C) CA.	
3028200100213	*****	*****
3028200100214	EN-RSL # 6	STAND-ERR # 101.
3028200100215	MEV # 894.	MB # 101.
3028200100216	MIN # 5A.4	MIN-ERR # 0.6
3028200100217	HL1-ERR # 0.6	MIN
3028200100218	*****	*****
3028200100219	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100220	HISTORY (741125C) CA.	
3028200100221	*****	*****
3028200100222	EN-RSL # 6	STAND-ERR # 101.
3028200100223	MEV # 894.	MB # 101.
3028200100224	MIN # 5A.4	MIN-ERR # 0.6
3028200100225	HL1-ERR # 0.6	MIN
3028200100226	*****	*****
3028200100227	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100228	HISTORY (741125C) CA.	
3028200100229	*****	*****
3028200100230	EN-RSL # 6	STAND-ERR # 101.
3028200100231	MEV # 894.	MB # 101.
3028200100232	MIN # 5A.4	MIN-ERR # 0.6
3028200100233	HL1-ERR # 0.6	MIN
3028200100234	*****	*****
3028200100235	STATUS DATA TAKEN FROM ATOMKI KOEZLENYEK 15(1973)161.	
3028200100236	HISTORY (741125C) CA.	
3028200100237	*****	*****
3028200100238	EN-RSL # 6	STAND-ERR # 101.
3028200100239	MEV # 894.	MB # 101.
3028200100240	MIN # 5A.4	MIN-ERR # 0.6
3028200100241	HL1-ERR # 0.6	MIN
3028200100242	*****	*****
3028200100243	STATUS DATA TAKEN FROM ATOM	



"EDITED" LISTING



SUP-ACCESSION NUMBER EXE08\_L0492\_002

BIBLIOGRAPHY, EXPERIMENTAL DESCRIPTION, EXPLANATIONS  
 \*\*\*\*\*  
 ISO-QUANT  
 \*1\* | 9-F-10 RESONANCE ENERGY  
 \*2\* | 9-F-19 NEUTRON-WIDTH  
 \*3\* | 9-F-10 SPIN J

119-F-19-EN-RES)  
 219-F-10-EL/WID)  
 319-F-15-J-RES)  
 ANALYSIS (MLA) R-MATRIX MULTI-LEVEL ANALYSIS  
 \*\*\*\*\*

CONSTANT PARAMETERS  
 MOMENTUM L = 14 NO-DIM  
 \*\*\*\*\*

DATA TABLE  
 DATA OBTAINED ABOVE UNDER ISO-QUANT  
 DATA DATA DATA DATA-ERR  
 \*1\* \*2\* \*2\* \*2\*  
 KEV KEV KEV KEV  
 1 26.99 0.325 0.020  
 2 48.78 1.67 0.10  
 3 57.50 14.5 0.8  
 \*\*\*\*\*

DATA NO-DIM  
 \*3\*  
 2.  
 1.  
 1.

\*1\* = POINTER\*, WHICH LINKS RELATED PIECES OF NUMERICAL AND/OR TEXT INFORMATION

"STANDARD" LISTING



1049900200001  
 1049900200002  
 1049900200003  
 1049900200004  
 1049900200005  
 1049900200006  
 1049900200007  
 1049900200008  
 1049900200009  
 1049900200010  
 1049900200011  
 1049900200012  
 1049900200013  
 1049900200014  
 1049900200015  
 1049900200016  
 1049900200017  
 1049900200018  
 1049900200019  
 1049900299999

SUBENT 1C499002 750514  
 BIB 2  
 ISO-QUANT 119-F-19-EN-RES)  
 219-F-10-EL/WID)  
 \*3\* 9-F-10-J-RES)

ANALYSIS (MLA) R-MATRIX MULTI-LEVEL ANALYSIS  
 ENDBIB  
 COMMON 1 3  
 MOMENTUM L  
 NO-DIM 3  
 1.  
 ENDCOMMON 3  
 DATA 4  
 DATA 2DATA-ERR 3  
 KEV KEV KEV NO-DIM  
 26.99 0.325 0.020 2.  
 48.78 1.67 0.10 1.  
 57.50 14.5 0.8 1.  
 ENDDATA 5  
 ENDSUBENT 18

DATA NO-DIM  
 \*3\*  
 2.  
 1.  
 1.

POINTERS LINK RELATED PIECES OF NUMERICAL AND/OR TEXT INFORMATION. IN THIS EXAMPLE, A POINTER (E.G.3) LINKS AN ISO-QUANT WITH ITS CORRESPONDING DATA COLUMN.