MEMO 4C-1/132

Date: December 10, 1982

From: V. McLane *UM*

Subject: TRANS 4042, 4043, 4044

Enclosed are comments to the corrected versions of TRANS 4042, 4043, 4044 received from the Nuclear Data Section.

Please refer to Memo 4C-1/131 for general comments about compilation practices.

In addition I should like to stress that pointers may not be used in combination with other pointers. A line or field with a given pointer refers only to other lines or fields either with no pointer or with the same pointer. A line or field with, e.g., the pointer 'A' will have no association with a line or field with the pointer '1'.

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TRANS 4042

	AN	SAN	Seq.	
*	40051	all		These are <u>absorption</u> cross sections, not capture. Sources should be put in proper SAN's. These should be three separate references. *see my comment*
	40346	13,14	10	Headings should be E and E, not E1, E2 *UNSINN*
		13	18	Delete line, no data given
		14	20	
		16	53	*also mentioned in my memo*
		17	20	
			24	
			27	
			42	
		18	35	
			40	
		19	26	
			31	
			33-35	
	40413	6	29	Delete line, no data given
		8	29	
		9	29	
	40489	1	16-19	Illegal pointers, may not be used in combination with vector common *to be clarified, anyway minor problem*
	40510	1	17-20	
*	40545	2		Illegal vector common, must have same independent variables
*	40587	1	22-32	Put monitors in proper subentries
	40600	2	4,10	Illegal SF4 *(to be deleted)*
			14	Momentum 1 missing
*		3		Illegal multiple reaction, must be function of same variables
		4	4	Illegal SF4
		5	4,6	Illegal SF4
			17	Momentum 1 missing

	40608	2	5	Illegal Sf4
*		3		Illegal multiple reaction
*	40611	3		Illegal multiple reaction
*		4		Illegal multiple reaction

*   Please retransmit

TRANS 4043

AN	SAN	Seq.	
4C086	2	4,5	Illegal SF4
	4	4,5	
	6	4,5	
	8	4,5	
	10	4,5	
	12	4-7	
	13	4-7	
	14	4-7	
	2		Momentum 1 missing
	4		
	6		
	8		
	10		
	3	3	SF3 should be EL
	5	3	
	7	3	
	9	3	
	11	3	
* 40420			Data from several experiments. Throughout entry non-integer masses are used. These need some explanation. LEXFOR entries should be proposed to explain new quantities given. In most cases SF5 should be DL not PR
	2	5	Reaction 2 needs new quantity definition.
* 40517	1	32	ERR-S-MIN, ERR-S-MAX illegal codes, should not be introduced. The information should be coded in free text.

already in my memo

*	40519	1	42,43	same comment for ERR-1-MIN, etc.
		2	11,12	Data heading should probably be <u>DATA</u>-CM
		3	11,12	
		4	11,12	
*	40551	1	22	Same comment for ERR-S-MAX
*		2		Illegal multiple reaction-must
*		4		have same variables. Reaction
*		6		4 should have modifer <u>AV</u> ✔
*		8		
		3		Add sample information. Comments
		5		should not refer to other subentries
		7		which may not be in a specific retrieval.
		9		
		11		
		13		
		5	5	Illegal SF4
		13	4	
		5		Momentum 1 not given
		9		
*	40480			Illegal multiple reactions.
				Must have same variables.
				Momentum dependent cross sections
				need to be defined
				Strength function should be (N,A),,STF) !
	40586	1	9,10,21	Illegal pointers-cannot be used
				in combination with multiple ✔
				reaction. MONIT1, etc. must be used.
	40595	2	3	Illegal SF4
			4	SF3 should be EL
			7-9	MOMENTUM L need be given only once
				without pointer
			12-15	why is +DATA-ERR only given.

*   40609   5   Illegal multiple reaction - must have
                              same independent variables

*   Please retransmit

TRANS 4044

	AN	SAN	SEQ		
	40168	3	10	Point missing at cos = -.86	180±20 MB/SR
		4	10		320±30 MB/SR
		5	10		260±20 MB/SR
		6	10		270±20 MB/SR

insert lines (handwritten)

	AN	SAN	SEQ	
*	40230	all		More than one set of data. Please separate references.
*	40472	2		Not legal entry-no data given ✓
*	40601			More than one set of data Please separate references.
	40616	1	12-14	Belong in proper subentry
			15-18	Illegal pointers - may not be used in combination with multiple reaction
		2	35D	No data given - delete line
*		3		Illegal multiple reaction
*		4	2699	Illegal data field 2. _ 77E+01

→ *no error message!* (handwritten, underlined)

	AN	SAN	SEQ	
	40621	1	8	Add conference code to dictionaries

done (handwritten)

	AN	SAN	SEQ	
			22-23	Put in proper subentries
			25-27	
			34-38	Illegal pointer - add to proper subentries
		2	54	Duplicate data point

*   Please retransmit