Brookhaven Nat. Lab.
USA

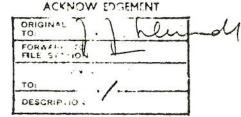DAT/324-0

MEMO 4C-1/1-32
131

Date: September 14, 1982

From: V. McLane *vm*

Subject: TRANS 4044

We have just received TRANS 4044; TRANS 4042 and 4043 have not yet arrived.

There are two general comments about compilation practices at the CJD which we would like to discuss.

1.   Data from different references are combined in one entry with a list of references in the first subentry, sometimes with even no comment as to which references refer to which data. (Some of these are old references which were published before the data were coded, so the reason for combining the data sets into one entry is not that the data were received before the references were known).

         This practice leads to the identification of data sets (e.g., in plots or computation formats) by the wrong reference.

         If the data are not coded in separate entries (the preferred solution) then the references should be given with the correct subentries.

Note: EXFOR rules state that information in subentry one refers to all data subentries. While this has not always been followed in practice, it must be followed where not doing so could lead to confusion when the data are processed.

2.   Illegal multiple reactions are often coded. There are strict rules for multiple reaction coding (see LEXFOR Multiple Reaction Formalism). These are the only cases allowed.

cc. Cullen   Schmidt
     Lammer   Schweser
     Lemmel   Seits
     Okamoto
     Ohunn
     Pronyaev

030410

Comments on TRANS 4044

	AN	SAN	Seq.	
*	40168	all		STATUS (NND, Ennnn) - illegal format (these data were read from curve at NNDC). Data at cos = .86 are missing (see listing attached).
*	40230	all		2 references combined - please retransmit
		7		this is CM conversion of data from subentry 6 - should be deleted
		2,3,8,10,12		should have STATUS dependent
*	40472	2		Illegal quantity and coding - delete *(hejt)*
*	40601	all		2 references combined - please retransmit
	40607	1	10,11	N-SOURCE - illegal character (<) *corr*
		2		data not monotonic
	40613	2		energy missing (1.58 MeV)
				illegal field heading (ELEM)
			50	illegal data record (shifted field)
		3		illegal field heading (ELEM)
	40616	1	12,13,14	MONITOR - should deleted, information repeated in proper subentries
			22	(PROPC) should be under DETECTOR
		2		REACTION + MONITOR should have modifier AV ✓
			19	EN-MAX S/B 0.6 ✓
			28	DATA S/B 3.95 ✓
			35	delete line - no data *hejt*
			39	EN-MIN S/B 70.
*		3		illegal multiple reaction - please retransmit
*		4	2699	illegal data value - retransmit
			3248	illegal data error - should probably be 3.658 ✓
	40621	1	8	REFERENCE type missing (C) ✓
			22,23 25-27	delete and put in subentries 7-34
			35-37	delete and put in subentries 7-34
		3	1	subentry # in NI field wrong ✓

2-6		Last data point in each subentry high. *light*
3-5	9	headings shifted
5	33	illegal EN-MIN, should be 110.
7-34	3	SF3 should be EL
		delete pointers, add momentum from SAN1
11		*subent 3 line 11* → illegal EN-MAX, should be 20.

*   retransmission required

** There were also many errors in system identifier N1 and N2 fields.

Sol Pearlstein

VM:jb
Distribution: V. Manokhin
               J.J. Schmidt
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               NNDC