<u>Memo CP-D/187</u>

24 February 1989

To: Distribution

From: Otto Schwerer   *O Schwerer*

Subject: TRANS C011, C012, C013

    Please find in the following our comments on TRANS C011, C012, and
C013.

    Frequent and/or disturbing mistakes found:

    - N1 counter on DATA or COMMON record wrong
    - obsolete lab or country codes
    - STATUS (compulsory keyword) missing
    - independent variables not monotonic, or multiple data values for
       some values of all independent variables
    - coding of heading MONIT in BIB section when not used in DATA or
       COMMON section

                                      Clearance: J.J. Schmidt

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3067N

Entry	Subent	Line(s)	Comment
C0305	2	9)	
	3	8)	
	4	7)	N1=4
	5	8)	
	6	9)	
C0306	4*)		3rd independent variable MASS not monotonic within the same EN and ELEMENT
C0310	17-20	11	N1=3
C0312	4-8		FACILITY: lab code 1USALBL obsolete, use BRK
C0313	2	7	N1=1
	3,4	8	N1=4
	5	7	N1=1
C0316	2*)	3	REACTION: modifier MSC so far was agreed for photonuclear data only; anyway explanation in free text is required which is missing.
		7	N1=1
C0320	1-8		INSTITUTE, FACILITY: LBL obsolete
C0333	2*)		STATUS keyword missing; DATA section: MONIT missing (or delete heading MONIT from BIB section in subentry 1)
C0345*)	1	3	1USACMU obsolete, use CAR
	2-9		MONIT missing, or delete heading from BIB section
C0411	1		1USALBL obsolete
	3	41	decimal point missing
C0412	12*)	110	all 3 independent variables repeated, probably MASS wrong?
C0414	1	3	2JAP should be 2JPN
C0418	2,3,5,6		1 or 2 EN-CM values repeated: mistake?

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*) Retransmission requested

Comments on TRANS C012

STATUS keyword missing:
    Entries C0010, C019.005, C0033.007, C0237, C0242, C0250, C0252,
    C0262, C0299, C0341, C0342, C0346

Entry C0244, all subentries: many EN-values repeated with strongly
deviating cross section values, e.g. subentry 2: is the value at 3.0 GeV
3.1 mb or 5.0 mb?

C0315, all subentries: N1 in all COMMON records and in some DATA records
invalid.

C0341.001, MONIT-REF: delete heading (MONIT) which is never used in DATA
or COMMON sections.

Comments on TRANS C013

Entry	Subent	Line(s)	Comment
C0305	3	9	N1=3
C0373*)	2,3		Although some ISOMER values in the data table were changed now after an earlier CP-Memo, some of those data points are still as inconsistent as before. Take e.g. line 36-40 of subentry 2: now we have 3 different values for ELEMENT/MASS/ISOMER = 48./115./0. and 2 different values for 48./115./1. At most there should be 3 lines for ELEM/MASS=48./115., with 3 different ISOMER values (blank/0./1.).
			In many cases there are 2 or 3 lines with the same EN/ELEMENT/MASS all with ISOMER=blank; there different ISOMER values are still missing or something else is wrong.
	4		In this subentry an ISOMER column has been added, but for the same ELEMENT/MASS combination always the same ISOMER value (namely 0.) is given, instead of distinguishing these cases by different ISOMER values which is the purpose of this column. Also, the ISOMER column should be placed between MASS and DATA.

*) Retransmission requested

C0374	3	35/36	1)DATA not given, but DATA-ERR given
			2)ISOMER=1. incorrect

C0399*)   Update not documented under HISTORY

C0415	1	3)	
	5	6,7)	country code 2JAP obsolete

C0416   2-5   EN values repeated, check

C0420	0	1)	
	1	1)	date invalid
	2	1)	

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*) Retransmission requested