

Memo CP-D/261

17 January 1996

To: Distribution

From: O. Schwerer *O. Schwerer*

Subject: Comments on TRANS O003

TRANS O003 was checked by NDS and a number of corrections were made. In order to document these changes in particular to the originating centre, these changes are listed below (marked with 'NDS'). The list contains also remarks on those entries which need some major correction which has to be done by the originating centre, i.e. where we request retransmission.

Some (sub)entries contain new quantities which must be approved and then entered into dictionary 36 before these entries can be processed correctly. These cases are discussed in a separate memo CP-D/262, together with other new dictionary codes arising from this TRANS.

Retransmission requested:

O0079, O0080, O0084, O0093, O0096, O0109, O0147, O0149, O0167
(See error report below for details)

Contains new quantities - will not load properly:

O0108, O0110, O0117, O0119, O0132, O0139, O0146, O0156, O0158, O0160
(not included in error report below; see memo CP-D/262).

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General remarks on the use of 'IND' and 'CUM' in REACTION SF5

This is a traditional subject of discussion in particular between CAJaD and NDS. In our opinion in many cases IND should be removed from SF5. Furthermore, in some cases, SF4=4-BE-7 and there are some subentries with SF5=CUM and others with SF5=IND. Since BE-7 is not a product of beta decay, it is not clear what they mean. In our opinion SF5 should neither contain CUM nor IND if SF4=4-BE-7. (See e.g. subentries O0077.026-28, O0078.002-6 and others. E.g. in entry O0094, subents 14-17 have CUM, the others don't: what is the difference?)

We removed IND from SF5 in some cases where we found it disturbing but in most cases left IND and CUM in the file (including cases where we believe it should not be there). Those cases were not included in the error list below.

TRANS O003 Error Report

Note: new dictionary codes are not included here, see memo CP-D/262

Entry	Subent	Line(s)	Comment	Correction
O0077	4	3-7	Isomeric state code -G missing	NDS
	15	3-7	Idem	NDS
O0078		10	SIG missing in SF6	NDS
O0079	2	36	Independent variable repeated.	
	5	33,38,40,49,54	Idem	
	9,11	5	Code for 'EN-SEC' should be sec. energy (e.g. E); I (O.S.) changed EN to E in EN-SEC (but missing in DATA section).	Retr
		12	Sec. energy missing.	Retr
O0080	1	14-18	SIG missing in SF6 - MONITOR values should be given in DATA section for all energies (only 1 monitor reaction).	Retr
	5	28	Independent variable repeated.	
O0082	7	6,8	Isomeric state code -G missing.	NDS
	14	6,8	Idem	NDS
O0083	3-22	3	Remove 'P' in SF7, redundant.	NDS
O0084	2-30	3	Partial reaction not specified. E missing in DATA section (at least E-APRX needed).	Retr
		8,17,18,21	Independent variables repeated	

Entry	Subent	Line(s)	Comment	Correction
O0086	3,6,9,11-13 3,18 6	3 4,5	Independent variables repeated. Remove 'IND' from SF5. Isomeric state code -G missing.	NDS
O0087	2,4,6,...,74		Remove 'D' in SF7, redundant.	NDS
O0088	7,21,26 11,19,30	4,5 3-5	Isomeric state code -G missing. - " -	NDS NDS
O0089	4	114	Independent variable repeated.	
O0090	2-11	3	'PAR' missing in SF5.	NDS
O0091	2,4,6,...,60		Remove 'P' in SF7, redundant.	NDS
O0092	1 2-7 2-8	32,99999	N1, N2 wrong. Independent variable repeated. 'PAR' missing in SF5.	NDS NDS
O0093	2-14 2-8		Independent variables repeated. Replace reaction (P,P) by (P,INL) (or perhaps in some cases (P,SCT)). (P,P) is not strictly illegal but should be used only "when scattering types need not be distinguished" (see LEXFOR 'Scattering').	Retr
O0096	17 18	18 3 8-10	Illegal column 80. Remove 'IND' from SF5. Remove angle information in COMMON. (Only legal if SF6=DA or =COR). A new quantity type may be needed, see memo CP-D/263.	NDS NDS Retr
O0099	6,10,14,18		Data-unit code MB/SR/MEV in wrong columns.	NDS
O0106	1	28,99999	N1, N2 wrong.	NDS
O0109	1 10,12-16	44,99999 5	N1, N2 wrong. Isomeric state code -G missing.	NDS NDS
			PART-DET should be deleted in most subentries. Entries like PART- DET (13-AL-26) are wrong if Al-26 radioactivity was measured.	Retr
O0112	2,4-7,9-12		Independent variables repeated.	

Entry	Subent	Line(s)	Comment	Correction
O0113	1	9	New code 2FR CAE	Dict. upd.
O0114	9,10	7	Parenthesis missing.	NDS
O0116	2,3,5,7,10,12, 14	3	Part. code in SF3 should be 'X'	NDS
O0117	2-9		Delete SF7 throughout	NDS
O0120	2	3	REACTION should be ...PAR,DA,,,EXP	NDS
O0125	1	26	'EN-RSL' should be explained under 'INC-SPECT'	NDS
O0127 O0128 O0130	all subents	3	Remove SF7, redundant.	NDS
O0132	2	3	Add 'PAR' to SF5	NDS
	3-125	3	'G' in wrong subfield.	NDS
O0134	1	16	'EN-RSL' should be explained under 'INC-SPECT'	NDS
O0137	2-46		Add 'PAR' to SF5 (secondary energy given)	NDS
O0143	1		'EN-ERR' should be 'EN-RSL' and be explained under 'INC-SPECT'	NDS
O0147	2-20		'MON-SEC' (linear momentum of outgoing particle) is not an appropriate code for the data (linear momentum transfer). Since SF6=DA, an ANGLE is needed.	Retr
O0148	1	26	'EN-RSL' should be explained under 'INC-SPECT'.	NDS
O0149	2-21		ANG-MIN and -MAX should be removed from COMMON (done by NDS) and be given in free text only. A new type of quantity may be needed, see CP-D/263.	NDS
	23-32		Idem for E-MIN and -MAX, or add PAR to SF5!	Retr

Entry	Subent	Line(s)	Comment	Correction
O0158	1	24	'EN-RSL' should be explained under 'INC-SPECT'	NDS
	51,63,75,87,195	11	Duplicate record.	NDS
O0160	2-13		Delete SF7 throughout	NDS
O0161	2-11	3	Use 'PAR' in SF5	NDS
O0162	1	16	'EN-RSL' should be explained under 'INC-SPECT'.	NDS
O0164	1	22	Journal code should be 'CZJ'	NDS
O0165	10	3	'PAR' should be given in SF5	NDS
O0166	2	3	Delete 'PAR' from SF5	NDS
O0167	2-27	7	'EN-RSL' should be explained under 'INC-SPECT'	NDS
	3,4,5,7,8,10,11,13,14,16,17	3	Remove '/DE' from SF6	NDS
	23-27		STATUS: Accession number should be O0167 instead of O0XYZ	NDS
	18-22		DATA Section: exchange positions between E-EXC and DATA columns. Independent variable must always precede DATA.	Retr