Date: April 20, 1983

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Subject: TRANS 4045

We have checked the entries received on TRANS 4045 against the 80000
series entries. Enclosed is a list of the correspondence of the 40000 series
accession numbers to the 80000 series.

It appears that the data transmitted in 4045 were converted from NEUDADA
and that not much checking was done. There also appear to be round off errors
which may not be considered significant but do look strange.

We have begun converting the 80000 series to the reaction formalism and
are transmitting these entries to CJD. It would probably be better to do the
conversions from these entries in the future since some cleanup has been done
on them, or at least a check should be made against these entries.

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VMcL:anl

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INFORMATION

83/04/26

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ORIGINAL
TO:

FORWARD TO
FILE STATION:

ENCLOSURES

TO:

df:103:1/VMcL/4cl

013145

Correspondence of 40000 series entries to 80000 series entries

40063	80035, 80331
40244	80134
40336	80133
40350	80001
40351	80003
40355	80005
40356	80006
40357	80007
40360	80008
40363	80012
40367	80014
40368	80015
40370	80004
40372	80013

Comments on TRANS 4045

AN	SAN	Seq.	
40063	1	8	Can not find this reference page. Reference given on line 10 is correct vol., page.
		17	Delete code, does not apply to all SAN.
	6		Total width and fission peak cross section missing.
	12		1st data point missing (.0084 eV, 679. B).
	15		1st data point missing (0.1 eV, 635.B).
	16		1st data point missing (0.00605 eV, 1150.B).
	17		1st data point missing (0.302 eV, 4600. ± 1100.B).
* 40244	all		Many errors: units wrong duplicate data points EN-ERR should be EN-RSL (see AN 80134)
* 40336	all		Data given is not original published data but was renormalized by NNDC, standards should be given. (see AN 80133)
40350	1	16	Delete code, does not apply to all SAN
40351	1	15	Delete code, does not apply to all SAN
	2	5,6	SF3 should be TOT
40357	all		EN should be EN-MIN for RI, EN-DUMMY for SIG Modifier field should be RNV for RI, MXW for SIG
	-		In^{115} RI missing (see AN 80007)
	9,10		Delete, duplicates.
40360	1	12,13	Not legal entries for DECAY-DATA
40363	1	9,17-21	Illegal pointer, remove and code in subentry 2.
	2	3	Remove pointer, add modifier SPA

AN	SAN	Seq.	
		17	Delete point with no data
	3-5	3	Add modifier SPA
	3-5	8	EN → EN-DUMMY
	5	8	DATA → DATA-MIN
40367	1	14	Delete code, does not apply to all SAN
	2,8,11,14		COS → COS-CM, DATA → DATA-CM
	3	3	Reaction is PAR,DA
		8	Change E → E-LVL add Angle = 90 deg.
	4,5		Delete, duplicate of SAN 3
*	15		Reaction is PAR,DA belongs in SAN 19
*	18-19	3	Add branch PAR E → E-LVL
40370	2	3	Add modifier SPA
		8-10	Add EN-DUMMY = 0.0253 eV
40372	1	24-26	Add ANG-RSL = 10.deg.
	2,4,6		COS → COS-CM
	3,5	3	Add branch PAR
	-		Pb inelastic missing (see 80013)