

Progress in Correction of Items on Feedback List (A2)

(N. Otsuka, 2018-04-20)

NRDC Action2 (All): Correct erroneous entries listed on the EXFOR Feedback List according to the indicated priorities. All urgent corrections must be done by the next meeting.

Progress in corrections of mistakes registered in the EXFOR Feedback List (<http://www-nds.iaea.org/nrdc/error/>) was reviewed. All preliminary files transmitted by 20 April 2017 are considered below. The numbers for NDS include entries originally prepared by ATOMKI, CNDC, KNDC, NDPCI and UkrNDC.

The next page shows retransmission makes old-fashioned entries more readable.

Table: Number of subentries with uncorrected mistakes (EXFOR Feedback List)

“Very urgent”: errors in headings, units or values

“Urgent”: errors in REACTION codes

Centre	Very Urgent	Urgent	Normal	Total
NDS	2	0	10	12
CDFE	1	1	13	15
CNPD	44	2	29	75
NNDC	19	21	40	80
JCPRG	78	4	20	102
CJD	2	8	127	137
NEA DB	42	51	66	159

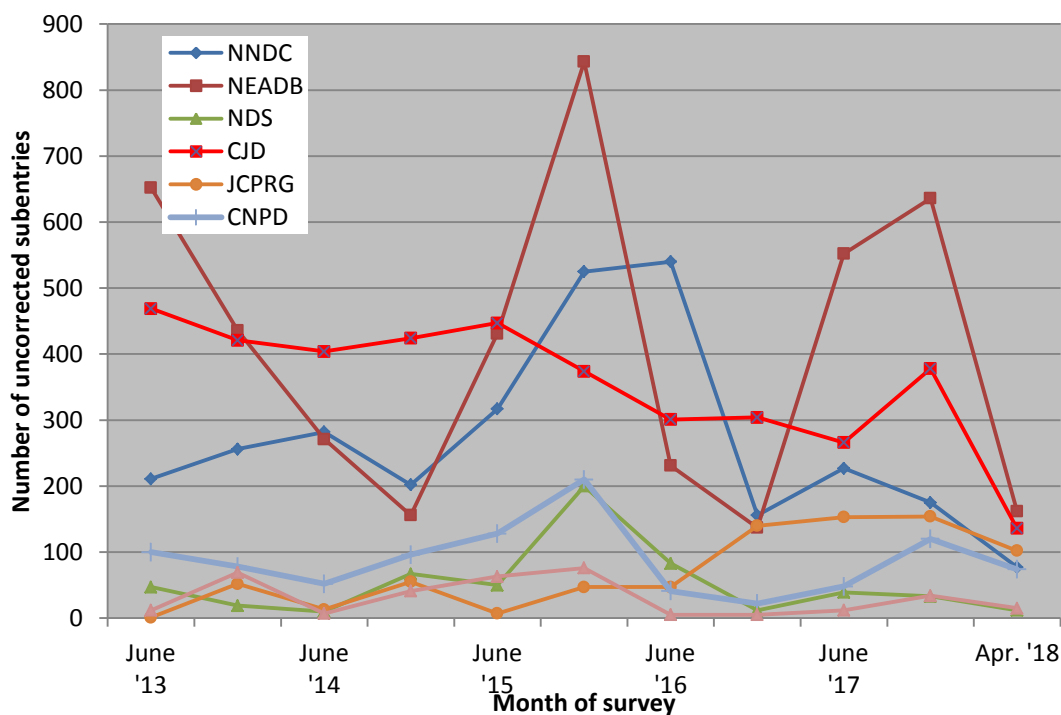


Fig.: Time evolution of the total number of uncorrected errors in the feedback list.

Before retransmission (Last update: 1984, upper cases only)

SUBENT	20989001	840409	20989001	1
BIB	15	33	20989001	2
INSTITUTE	(2JPNISS)		20989001	3
REFERENCE	(J,JPJ,28,1116,7005) MAIN REFERENCE.		20989001	4
	(C,75ZURICH,,189,7508)		20989001	5
	(C,70MADISON,,638,7009)		20989001	6
AUTHOR	(K.KATORI,T.NAGATA,A.UCHIDA,S.KOBAYASHI)		20989001	7
TITLE	-NEUTRON DEPOLARIZATION IN ELASTIC SCATTERING-		20989001	8
FACILITY	.NO INFORMATION GIVEN.		20989001	9
INC-SOURCE	(POLNS) POLARIZED NEUTRONS FROM THE C12(D,N) REACTION.		20989001	10
SAMPLE	.FIVE CYLINDRICAL SAMPLES 5 CM IN DIA. AND 5 CM IN		20989001	11
	LENGTH WITH A 2.5 CM HOLE AT THE CENTER. NI, CU, AL,		20989001	12
	CO, BI ALL WITH NATURAL ISOTOPIC COMPOSITIONS.		20989001	13
METHOD	(TOF) A TIME OF FLIGHT LIQUID HELIUM POLARIMETER.		20989001	14
	.TRIPLE SCATTERING EXPERIMENT.		20989001	15
DETECTOR	(SCIN) ONE NE213 LIQUID SCINTILLATOR TO DETECT		20989001	16
	NEUTRONS AND ONE 6810A SCINTILLATOR TO DETECT ALPHA		20989001	17
	RECOILS IN THE HELIUM.		20989001	18
PART-DET	(N) NEUTRONS.		20989001	19
	(A) ALPHAS.		20989001	20
COMMENT	.ALL DATA WERE NORMALIZED TO THE INTEGRATED BEAM		20989001	21
	CURRENT.		20989001	22
STATUS	.DATA TAKEN FROM MAIN REFERENCE.		20989001	23
HISTORY	(790726C) CN.		20989001	24
	(790827E)		20989001	25
	(800108A) SUBWORK 002 AND 003 DELETED BECAUSE THEY		20989001	26
	REFER TO (D,N)-REACTIONS.		20989001	27
	(800115E)		20989001	28
	(840106U) A.P.T. JAPAN CODE CHANGED TO JPN		20989001	29
	(840106E)		20989001	30
CORRECTION	.THE CORRECTION FOR SETTING THE POLARIZATION, OBTAINED		20989001	31
	BY SCATTERING AN UNPOLARIZED BEAM FROM THE SAMPLE,		20989001	32
	EQUAL TO ZERO IS ESTIMATED TO BE 15 PERCENT AT MOST.		20989001	33
ERR-ANALYS	.THE POSSIBLE SOURCE OF ERRORS IN THE DETECTION SYS-		20989001	34
	TEM WAS CHECKED AND FOUND TO BE NEGLIGABLE.		20989001	35
ENDBIB	33		20989001	36

After retransmission (Revised in 2017)

SUBENT	C	20989001	20170731	20989	1	1
BIB		15	33	20989	1	2
INSTITUTE	(2JPNISS)			20989	1	3
REFERENCE	(J,JPJ,28,1116,1970) Main reference.			20989	1	4
	(C,75ZURICH,,189,1975)			20989	1	5
	(C,70MADISON,,638,1970)			20989	1	6
AUTHOR	(K.Katori,T.Nagata,A.Uchida,S.Kobayashi)			20989	1	7
TITLE	Neutron depolarization in elastic scattering			20989	1	8
FACILITY	.No information given.			20989	1	9
INC-SOURCE	(POLNS,D-C12) Polarized neutrons from the C12(d,n)			20989	1	10
INC-SPECT	(EN-RSL-FW) - energy spread			20989	1	11
SAMPLE	.Five cylindrical samples 5 cm in dia. and 5 cm in			20989	1	12
	length with a 2.5 cm hole at the center. Ni, Cu, Al,			20989	1	13
	Co, Bi all with natural isotopic compositions.			20989	1	14
METHOD	(TOF) A time of flight liquid helium polarimeter.			20989	1	15
	.Triple scattering experiment.			20989	1	16
DETECTOR	(SCIN) One NE213 liquid scintillator to detect			20989	1	17
	neutrons and one 6810A scintillator to detect alpha			20989	1	18
	recoils in the helium.			20989	1	19
PART-DET	(A) Alphas.			20989	1	20
COMMENT	.All data were normalized to the integrated beam			20989	1	21
	current.			20989	1	22
CORRECTION	.The correction for setting the polarization, obtained			20989	1	23
	by scattering an unpolarized beam from the sample,			20989	1	24
	equal to zero is estimated to be 15 percent at most.			20989	1	25
ERR-ANALYS	(DATA-ERR) The possible source of errors in the			20989	1	26
	detection system was checked and found to be negligible			20989	1	27
HISTORY	(19790726C) CN.			20989	1	28
	(19800108A) Subents 002 and 003 deleted because they			20989	1	29
	refer to (d,n)-reactions.			20989	1	30
	(19840106U) A.P.T. Japan code changed to JPN			20989	1	31
	(20170731A) SD:Updated to new date formats,lower case.			20989	1	32
	REACTION code and data corrected in Subents 004-009.			20989	1	33
	Meaningless zeros were deleted from the data.			20989	1	34
	EN-RSL corrected (0.02 -> 0.3 MeV). EN-RSL -> EN-RSL-FW			20989	1	35
ENDBIB	33	0		20989	1	36
ENDSUBENT	40	0		20989	19999	