

JANIS Import Log

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“Ignored field”

These messages indicate a mismatch between the announced number of data fields (N1 value of COMMON and DATA records) and the number of Data Headings found.

The detailed part of the message gives the Data Heading which is found but was not expected.

This check has detected the following issues in backup EXFOR-2011-03-23:

21352.003

DATA		5		4		
ELEMENT	MASS	I SOMER	DATA	DATA-ERR	DECAY-FLAG	
NO-DIM	NO-DIM	NO-DIM	PC/FI S	PC/FI S		
61.	146.		4. 5000E-10	4. 5000E-10	3.	
61.	148.	2.	6. 7000E-09	6. 000E-10		
6. 1000E+01	1. 4800E+02	1. 0000E+00	2. 8000E-09	7. 0000E-10	2. 0000E+00	
6. 1000E+01	1. 4800E+02	9. 5000E-09	9. 0000E-10			
ENDDATA		6				

A1058.002

DATA		2	14
EN	DATA	DATA-ERR	
MEV	MB/SR	MB/SR	
2. 177	0. 1848E-02	0. 3116E-03	
3. 296	0. 1936E-02	0. 2952E-03	
4. 404	0. 2483E-02	0. 3278E-03	
5. 456	0. 2767E-02	0. 2950E-03	
6. 503	0. 2428E-02	0. 2953E-03	
6. 972	0. 2431E-02	0. 2952E-03	
7. 564	0. 2368E-02	0. 2953E-03	
8. 107	0. 2699E-02	0. 3113E-03	
8. 56	0. 2456E-02	0. 2953E-03	
9. 073	0. 3180E-02	0. 3281E-03	
9. 645	0. 3134E-02	0. 2952E-03	
10. 16	0. 3071E-02	0. 3279E-03	
10. 67	0. 2844E-02	0. 3116E-03	
11. 15	0. 3256E-02	0. 2624E-03	
ENDDATA		16	

A1387.004

COMMON		1	3
ANG-ERR	DATA-ERR		
ADEG	MB/SR		
0. 6	0. 16		
ENDCOMMON		3	

“Ignored field(s)”

These messages are similar to the previous ones but this time due to unexpected content found in COMMON or DATA table (no Data Heading).

This check has detected 52 potential issues of this type in backup EXFOR-2011-03-23 (3 examples are listed below):

23045.005

DATA		2	32
E	DATA		
MEV	MB/SR/MEV		
22.532	0.61956	0.98249E-01	
26.922	0.74834	0.12903	
32.281	0.79667	0.10904	
37.141	0.67302	0.12763	
42.013	0.73175	0.10016	

...

30991.005:

DATA		3	1
E	DATA		
KEV	MB/SR	DATA-ERR	
		MB/SR	
983.4	2.09	0.10	2.
ENDDATA		3	

A0837.005:

DATA		2	55
E	DATA		
MEV	MB/MEV		
0.495	273.		
0.579	284.		
0.68	284.		
1.669	266.		
1.786	250.		
1.904	235.		
...			
5.406	30.2		
5.507	32.7		
5.658	30.1		
5.775	27.8	7.	
5.926	22.2		
6.076	15.5		
6.193	8.97		
6.376	4.		
6.542	1.22		
ENDDATA		57	

REL-REF and MONIT-REF

The “author” field of the coded value of these keywords is now checked as AUTHOR keywords.

This check has found the following REL-REF author coding issues in backup EXFOR-2011-03-23:

Subentry	Message	REL-REF author part
13933.002	Blanks are not permitted following initials	G. Murray
23017.005	“	
23044.002-004	“	A.R. de L.Musgrove+
23068.001	“	J. Briesmeister
31638.003	“	R.E. Heft
31642.002	“	H. Kitazawa+
	“	M. Brendle+
31651.002	“	E. Zijp+
	“	R.B. Galloway+
A0525.005	“	J. VAN DER PLICHT+
C0044.001	Author name must not end with a dot	SIKKEMA.

And the following MONIT-REF issues:

Subentry	Message	MONIT-REF author part
D4013.001	Author name must start with a letter	.R.WEINREICHT+
F0087.001	Blanks are not permitted following initials	J.B.M. de Haas+
O0648.001	Do not append a dot after 'Jr'	J.W.MEADOWS JR.+

REACTION SF4 values

The checks done on REACTION keyword have been updated to reflect the latest changes in “SF4 Reaction Product” coding.

These checks detect the following issues in backup EXFOR-2011-03-23:

#	Message	Comments
77	SFA empty?	Most of these are reported for ,SIG,,RES quantity (not flagged as resonance parameter in dic 236 so SF4 should be provided)
18	SF4 is empty for production/emission quantity	SF3='X'
472	SF4 is empty for scattering process EL	
373	SF4 is empty for scattering process INL	
10	SF4 is empty for scattering process SCT	
238	SF4 is empty for scattering process THS	

4	SF4 is not equal to SF1 (except isomer) for scattering process EL	2-HE-0(N,EL)2-HE-4,,SIG in 10017.006 82-PB-0(N,EL)92-U-0,,DA in 10375.002 2-HE-0(N,EL)2-HE-4,,DA in 11006.002 74-W-0(N,EL)56-BA-0,,DA in 11321.010
114	SF4 is not equal to SF1 (except isomer) for scattering process INL	
3	SF4 is not equal to SF1 (except isomer) for scattering process SCT	49-IN-0(P,SCT)49-IN-115-M,,SIG in C0343.007, C0343.018, C0343.026
1	SF4 should be empty for nuclear quantities	49-IN-115(0,0)49-IN-115,,LDP in 20788.018
114	SF4 should be empty for reactions measured for a natural or compound target except for a few special rules	
4	SF4 should be empty for reactions that are implicit sums (ABS)	(27-CO-59(N,ABS)27-CO-60-G,,SIG,,MXW)/(5-B-0(N,ABS),,SIG,,MXW) in 21395.008 27-CO-59(N,ABS)27-CO-60-G,,SIG,,MXW in 21395.019 27-CO-59(N,ABS)27-CO-60,,SIG in 21395.020 4-BE-9(N,ABS)4-BE-10,,SIG,,MXW in 21513.003
4	SF4 should be empty for reactions that are implicit sums (NON)	4-BE-9(N,NON)4-BE-9,,SIG in 13989.002 13-AL-27(N,NON)13-AL-27,,SIG in 13989.004 (82-PB-0(N,NON)82-PB-207-M,,SIG)/(40-ZR-0(N,NON)40-ZR-90-M,,SIG) in 20703.004
1	SF4 should be empty for reactions that are implicit sums (TOT)	5-B-10(P,TOT)5-B-10,,SIG,,EXP in F0093.011
31	SF4 should be empty for resonance parameters	
1464	Total	