

**Nuclear Data Section**  
**International Atomic Energy Agency**  
**P.O.Box 100, A-1400 Vienna, Austria**

**Memo CP-D/715**

**Date:** 27 September 2011  
**To:** Distribution  
**From:** N. Otsuka, S.P. Simakov

**Subject: Too low level energies coded under E-LVL**

EXFOR data sets coded with non-zero level energies ( $E_{\text{-LVL}}$ ) lower than 10 keV were searched. Within 58 subentries, 33 erroneous subentries were identified

Subentry	$E_{\text{exc,min}}$ (eV)	$E_{\text{exc,max}}$ (eV)	Remark
13518.002	0.0E+00	7.2E+02	E-LVL: 0.718 keV → 478 keV
22493.003	1.0E+03	1.0E+03	E-LVL: KEV → MEV
23002.002	0.0E+00	3.9E+03	E-LVL → LVL-NUMB for excited levels
30673.003	9.0E+01	2.6E+06	Correct LVL-INI values for lowest E (002-005)
30673.004	7.0E+01	2.0E+07	Correct LVL-INI values for lowest E (002-005)
40894.005	2.2E+02	3.8E+03	E-LVL → EN, Add SF5=PAR and E-LVL=0
40953.006	1.3E+03	1.3E+03	Illegal use of PAR and E-LVL for partial wave
40953.008	1.3E+03	1.3E+03	Illegal use of PAR and E-LVL for partial wave
41356.003	2.1E+02	3.5E+06	Too small level energy (210 eV)
41548.002	2.0E+01	7.3E+04	Correct headings (3 <sup>rd</sup> -6 <sup>th</sup> columns)
A0417.003	7.5E+02	7.5E+02	E-LVL: KEV → MEV (also add J-pi=3/2+ under LEVEL-PROP)
A0417.004	1.2E+03	1.2E+03	E-LVL: KEV → MEV (also add J-pi=5/2- under LEVEL-PROP)
C0102.002	7.6E+03	7.7E+03	E-LVL: KEV → MEV
C0872.006	0.0E+00	5.7E+03	E-LVL: KEV → MEV
C1674.003	4.0E+02	4.0E+02	E-LVL: 0.396 → 5914.
D0449.003	8.4E+02	8.4E+02	E-LVL: KEV → MEV
D6058.004	1.8E+03	8.9E+03	E-LVL: KEV → MEV
E0926.009	9.6E+00	9.6E+00	E-LVL: EV → MEV
E0926.015	1.4E+00	1.4E+00	E-LVL: EV → MEV
E0926.019	4.2E+00	4.2E+00	E-LVL: EV → MEV
E1195.016	2.9E+00	2.9E+00	E-LVL: EV → MEV
E1575.010	3.9E+00	3.9E+00	E-LVL: EV → MEV
E1826.002	0.0E+00	4.3E+02	E-LVL: KEV → MEV
E1826.003	0.0E+00	4.3E+02	E-LVL: KEV → MEV
E1826.004	0.0E+00	4.3E+02	E-LVL: KEV → MEV
E1977.003	4.4E+03	4.4E+03	E-LVL: KEV → MEV

E2087.008.3	0.0E+00	1.3E+03	E-LVL: KEV → MEV
F0265.002	0.0E+00	4.3E+03	E-LVL-INI/FIN: KEV → MEV
F0518.004.2	1.6E+03	1.6E+03	E-LVL: KEV → MEV
G4026.012	4.0E+03	3.1E+06	E-LVL (2 <sup>nd</sup> column) → E-LVL-ERR, 0.004 → 0.04
S0057.005	4.8E+02	4.8E+02	E-LVL: KEV → MEV
T0086.002	0.0E+00	1.6E+03	E-LVL: KEV → MEV
T0086.003	0.0E+00	1.6E+03	E-LVL: KEV → MEV

**Distribution:**

blokhin@ippe.ru  
 cgc@ciae.ac.cn  
 chiba@earth.sgu.ac.jp  
 emmeric.dupont@oecd.org  
 fukahori.tokio@jaea.go.jp  
 ganesan@barc.gov.in  
 gezg@ciae.ac.cn  
 hongwei@ciae.ac.cn  
 jhchang@kaeri.re.kr  
 j.roberts@iaea.org  
 kaltchenko@kinr.kiev.ua  
 katakura.junichi@jaea.go.jp  
 kato@nucl.sci.hokudai.ac.jp  
 kiralyb@atomki.hu  
 l.vrapcenjak@iaea.org  
 kiyoshi.matsumoto@oecd.org  
 manuel.bossant@oecd.org  
 manokhin@ippe.ru  
 mmarina@ippe.ru  
 mwherman@bnl.gov  
 nicolas.soppera@oecd.org  
 nklimova@kinr.kiev.ua  
 n.otsuka@iaea.org

nrdc@jcpgrg.org  
 oblozinsky@bnl.gov  
 ogritzay@kinr.kiev.ua  
 otto.schwerer@aon.at  
 pronyaEV@ippe.ru  
 r.forrest@iaea.org  
 samaEV@obninsk.ru  
 s.babykina@polyn.kiae.su  
 scyang@kaeri.re.kr  
 s.simakov@iaea.org  
 stakacs@atomki.hu  
 stanislav.hlavac@savba.sk  
 sv.dunaeva@gmail.com  
 taova@expd.vniief.ru  
 tarkanyi@atomki.hu  
 vvvarlamov@gmail.com  
 vlasov@kinr.kiev.ua  
 vmclane@optonline.net  
 v.semkova@iaea.org  
 v.zerkin@iaea.org  
 yolee@kaeri.re.kr  
 zhuangyx@ciae.ac.cn