Light EXFOR and NSR Web Editors: concept and status of development

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The project "Light EXFOR Web Editor" started as research project in 2014. The idea of the project is to extend Web presentation of an EXFOR files as interactive tree (X4±) by editing features. The Editor is functioning on the server side requiring only a Web browser on the user's side. Although it is a Web-Application; it could also be used without Internet. The concept provides platform independent solution and allows re-using existing software from EXFOR Web retrieval system. This project was supported by [1] as "Pilot" project, possibly as an alternative of existing EXFOR Editors.

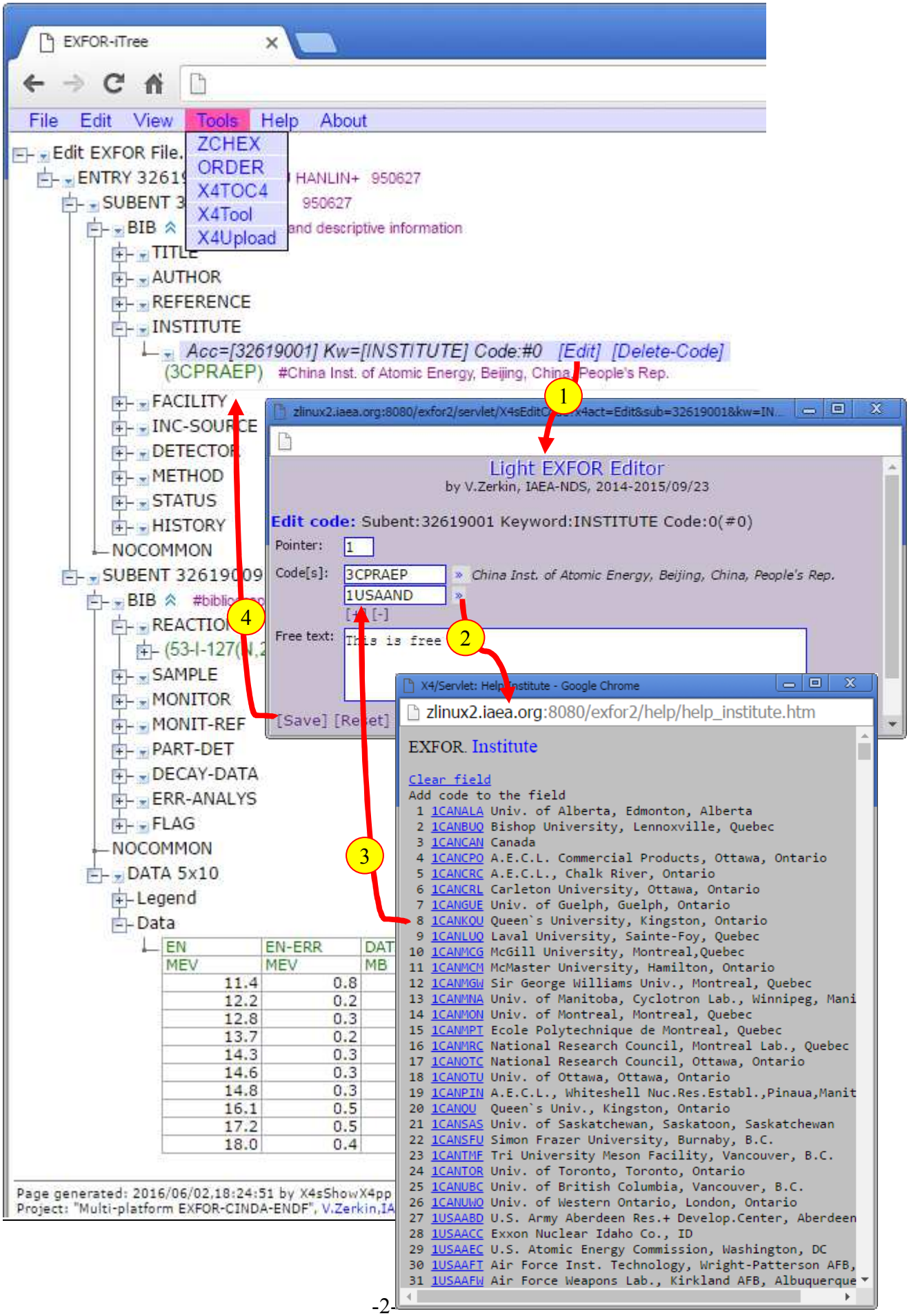
The project "Light ENSDF Web Editor" started in 2015. It was supported as one of the options of ENSDF editors [2]. The project has the same concept and shares number of codes. ENSDF file is presented as hierarchical document - interactive tree (graph) with possibility to open/collapse branches and with commands associated with the nodes. User can remove/add/edit nodes, call checking and utility codes, do other useful operations. The Editor is called from MyEnsdf Web tool for ENSDF evaluators.

Both systems are using the common layout, similar editing style implemented via pop-up windows, sequence of actions, and Help-input system common with Help system of EXFOR web retrieval system (see Appendix-1 illustrating the process of editing of INSTITUTE code in EXFOR and Appendix-2 illustrating the data editing of Gamma Record in ENSDF file). Both projects are far from the end, but basic infrastructure is mostly implemented. ENSDF editor is now under more intensive development – test version is expected in this year, then it will be further developed on the basis of users' needs in cooperation with ENSDF experts.

References:

1. Workshop on The Experimental Nuclear Reaction Data Database, IAEA Headquarters, Vienna, Austria, 6-10 October 2014, INDC(NDS)-0672, p32, https://www-nds.iaea.org/publications/indc/indc-nds-0672.pdf

2. 2nd Technical Meeting, Improvement of Analysis Codes for Nuclear Structure and Decay Data Evaluations, Summary Report INDC(NDS)-0696, p.18, https://www-nds.iaea.org/publications/indc/indc-nds-0696.pdf


EXFOR-iTree
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14.6 0.3
14.8 0.3
16.1 0.5
17.2 0.5
18.0 0.4
Page generated: 2016/06/02,18:24:51 by X4sShowX4pp
Project: "Multi-platform EXFOR-CINDA-ENDF", V.Zerkin,IA
1
zlinux2.iaea.org:8080/exfor2/servlet/X4sEditC
Light EXFOR Editor
by V.Zerkin, IAEA-NDS, 2014-2015/09/23
Edit code: Subent:32619001 Keyword:INSTITUTE Code:0(#0)
Pointer: 1
Code[s]: 3CPRAEP » China Inst. of Atomic Energy, Beijing, China, People's Rep.
1USAAND »
[+] [-]
Free text: This is free
2
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3
X4/Servlet: Help Institute - Google Chrome
zlinux2.iaea.org:8080/exfor2/help/help_institute.htm
EXFOR. Institute
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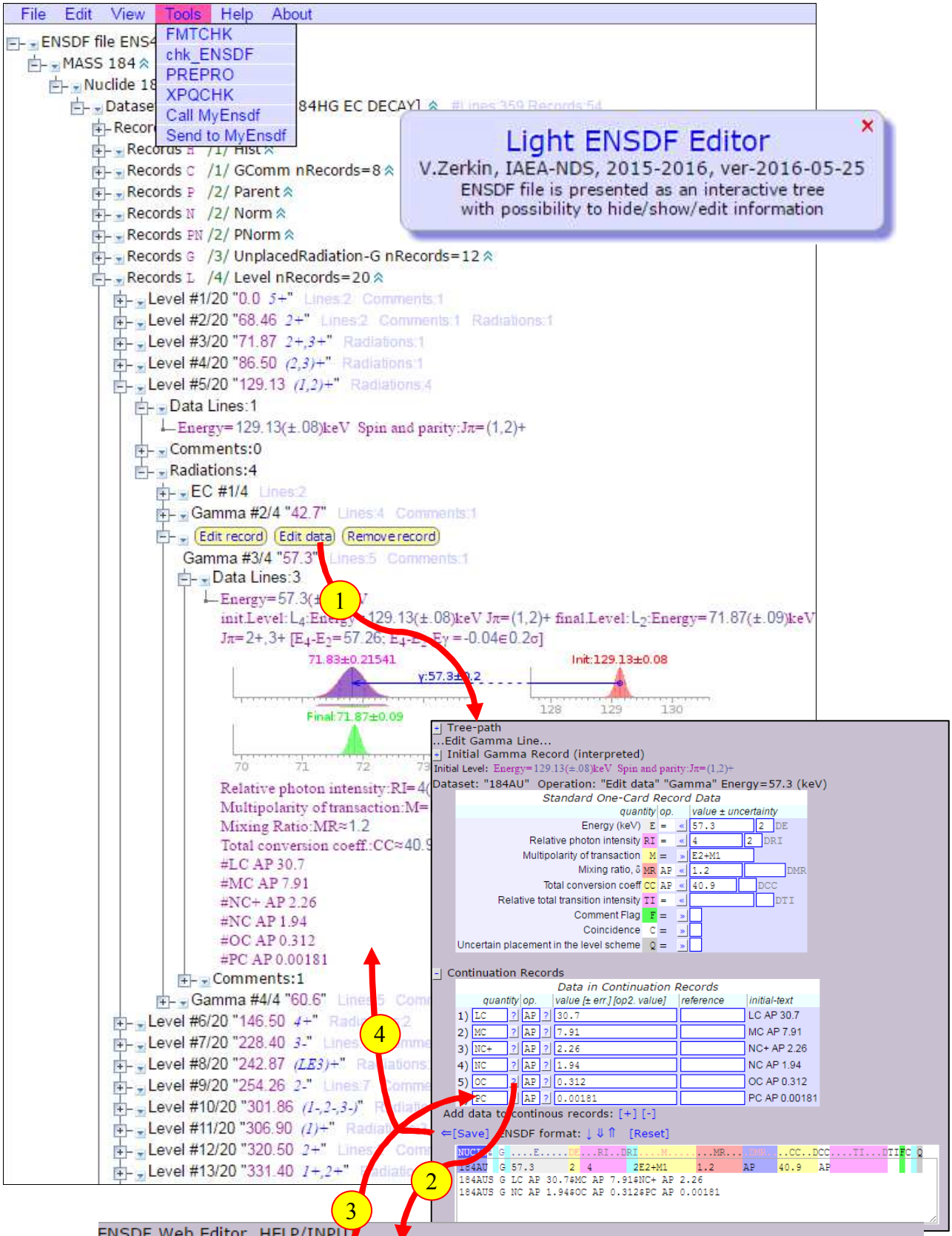
1 1CANALA Univ. of Alberta, Edmonton, Alberta
2 1CANBUQ Bishop University, Lennoxville, Quebec
3 1CANCAN Canada
4 1CANCPO A.E.C.L. Commercial Products, Ottawa, Ontario
5 1CANCRC A.E.C.L., Chalk River, Ontario
6 1CANCRL Carleton University, Ottawa, Ontario
7 1CANGUE Univ. of Guelph, Guelph, Ontario
8 1CANKQU Queen`s University, Kingston, Ontario
9 1CANLUQ Laval University, Sainte-Foy, Quebec
10 1CANMCG McGill University, Montreal,Quebec
11 1CANMCM McMaster University, Hamilton, Ontario
12 1CANMGW Sir George Williams Univ., Montreal, Quebec
13 1CANMNA Univ. of Manitoba, Cyclotron Lab., Winnipeg, Mani
14 1CANMON Univ. of Montreal, Montreal, Quebec
15 1CANMPT Ecole Polytechnique de Montreal, Quebec
16 1CANMRC National Research Council, Montreal Lab., Quebec
17 1CANOTC National Research Council, Ottawa, Ontario
18 1CANOTU Univ. of Ottawa, Ottawa, Ontario
19 1CANPIN A.E.C.L., Whiteshell Nuc.Res.Establ.,Pinaua,Manit
20 1CANQU Queen`s Univ., Kingston, Ontario
21 1CANSAS Univ. of Saskatchewan, Saskatoon, Saskatchewan
22 1CANSFU Simon Frazer University, Burnaby, B.C.
23 1CANTMF Tri University Meson Facility, Vancouver, B.C.
24 1CANTOR Univ. of Toronto, Toronto, Ontario
25 1CANUBC Univ. of British Columbia, Vancouver, B.C.
26 1CANUWO Univ. of Western Ontario, London, Ontario
27 1USAABD U.S. Army Aberdeen Res.+ Develop.Center, Aberdeen
28 1USAACC Exxon Nuclear Idaho Co., ID
29 1USAAEC U.S. Atomic Energy Commission, Washington, DC
30 1USAAFT Air Force Inst. Technology, Wright-Patterson AFB,
31 1USAAFW Air Force Weapons Lab., Kirkland AFB, Albuquerque



ENSDF Web Editor. HELP/INPUT.
Editing Gamma record.
Continuation records: quantity #3

Select quantity

1)	BE1,BE2,...	Reduced electric transition probability (downward) given in units of $e^2 \times (barns)^L$, where L=1,2,...
2)	BE1W,BE2W,...	Reduced electric transition probability (downward) given in single-particle (Weisskopf) units
3)	BM1,BM2,...	Reduced magnetic transition probability (downward) given in units of $\mu_N^2 \times (barns)^{L-1}$, where L=1,2,...
4)	BM1W,BM2W,...	Reduced magnetic transition probability (downward) given in single-particle (Weisskopf) units
5)	CE	Total conversion electron intensity
6)	CEK,CEL,...	Conversion-electron (ce) intensity for K, L, ...
7)	CEL1,...	L_1, ... conversion
8)	ECC	Measured total conversion coeficient