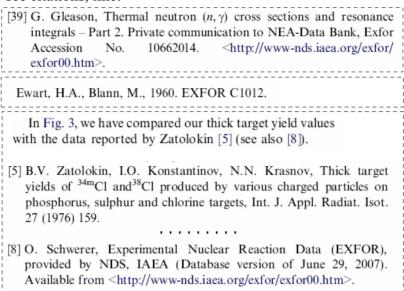
Web retrieval tool supporting citation of EXFOR data

See A5

V.Zerkin, IAEA-NDS, 17/09/2008

Growing EXFOR contents, availability via Web, improving capacity of retrieval software make EXFOR more and more popular among physicists and other users. EXFOR Web interface became pretty stable, well developed and available on several well known cites. Authors of scientific publications more and more refer to data available via Web interface. And NRDC have to recommend up to date method for citation of EXFOR works and provide appropriate tools if necessary. Also important is to inform nuclear data users' community about these recommendations.

Currently we see citations, like:



There is "Citation Guidelines for Nuclear Data Retrieved from Databases Resident at the Nuclear Data Centers Network" written by Victoria McLane on behalf of the Nuclear Data Centers Network, 1996:

http://www-nds.iaea.org/ndspub/documents/online/citgl.pdf

About citation of EXFOR data it gives:

Example:

A.B. Author, et al., *J. Nucl. Phys.* 12, 345 (1979). Data retrieved from the CSISRS database, file EXFOR 12345.002 dated April 5, 1980 [Source].

What is wrong with current recommendations? Obviously, missing Internet address of used Web service (URL). Second, even knowing Web address of the EXFOR interface, user has to fill a Request-Form (which is, by the way, different on different sites), submit request, to select data for display. It is not so difficult, but still need some efforts from user. Third, citation guide should be known (advertised) for authors and publishers.

What could be done on retrieval system side is to introduce (and advertise) "standard" way of accessing via Web given dataset (Entry, Subentry), for example:

http://www-nds.iaea.org/EXFOR?C1012

http://www-nds.iaea.org/EXFOR?C1012.002

SUBENT Accession Number

The link will work for EXFOR entire Entry and particular Subentry.

The request will be re-directed to appropriate program, e.g. currently at NDS – Java Servlet:

http://nds121.iaea.org/exfor2/servlet/X4sGetSubent?plus=1&sub=C1012

Although, real method, program name and parameters could be changed with time, the initial address will be guaranteed by IAEA-NDS and can be used for publications from now on.

If other centres would like to provide similar links, they can also implement:

http://www.nndc.bnl.gov/EXFOR?10004 http://www.nea.fr/EXFOR?10004 http://a-center/EXFOR?10004

Finally, recommended reference could be following:

A.B. Author, et al., *J. Nucl. Phys.* **12**, 345 (1979). Data retrieved from the EXFOR database (version of April 5, 2008), Web: http://www-nds.iaea.org/EXFOR?12345.002

Or, short form using ENTRY:

Ewart H.A., Blann M., 1960, EXFOR database: http://www-nds.iaea.org/EXFOR?C0112

If this method will be accepted on NRDC-2008 meeting, NRDC could propose it as common method of EXFOR data citation on the next Nuclear Data Conference in Korea. Of course, every EXFOR Web retrieval system having this method implemented, should have a note how to use it.