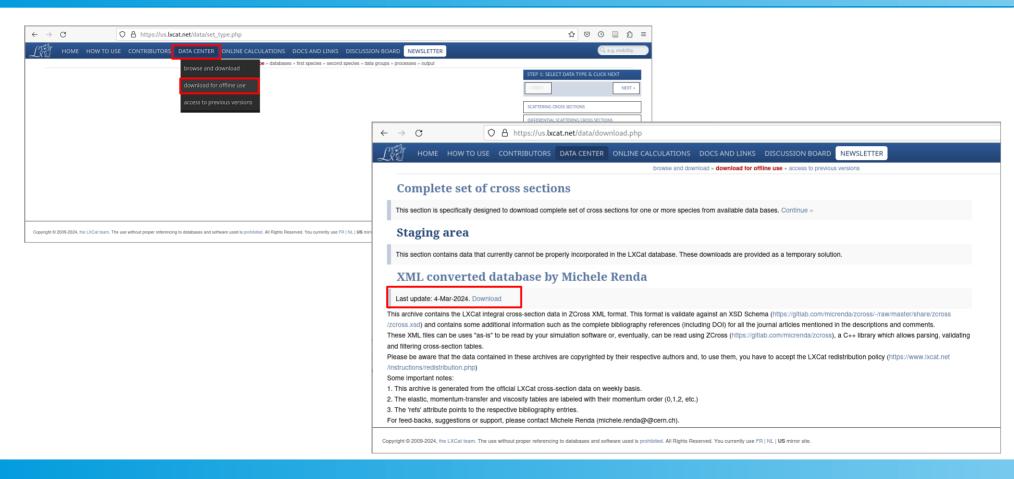
Update of ZCross data on LxCat

Michele Renda of behalf of the DFPE team at IFIN-HH (Romania) (michele.renda@cern.ch)

LxCat



03/12/2024

Databases

biagi-v7.1		community	ist-lisbon	puech
blagi-v1.1		Community	131-1130011	puccii
biagi-v8.9		сор	itikawa	quantemol
bordage		emol-lehavre	laporta	siglo
bsr		flinders	morgan	triniti
CCC		hayashi	ngfsrdw	viehland
christophorou		iaa	phelps	Check this before to use. If it is too old, contact us!
<pre><?xml version="1.0" encoding="UTF-8"?> <zcross created="2024-02-29 06:57:41" version="1.0" xmlns="https://zcross.net" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemalocation="https://zcross.net zcross.xsd"></zcross></pre>				

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Bibliographygft5gvb

- Each database is filled with correct bibliography for the source of the data.
- More the 350 bibliography references are provided, including DOI, in Bib-latex format.
- In future, we would like to provide a better way to display these bibliography, may be inline (link) with the table descriptions (in collaboration with LxCat team)

```
<reference id="2">
@article{kim extension 2000
    title = {Extension of the binary-encounter-dipole model to relativistic
    url = {https://link.aps.org/doi/10.1103/PhysRevA.62.052710},
    doi = {10.1103/PhysRevA.62.052710}.
    abstract = {Formulas for the total ionization cross section by electron
    atoms from the new relativistic formulas are compared to experimental da
    applications to ion targets and inner-shell electrons of neutral atoms a
    effects are small, and both forms of the {BEB} cross sections agree well
    Phys. B 15, 155 (1982)] after correcting for relativistic effects as sho
    increases. The {BEB} model is also applied to the total ionization cross
    pages = \{052710\}.
    number = \{5\}.
    journaltitle = {Physical Review A},
    shortiournal = {Phys. Rev. A}.
    author = {Kim, Yong-Ki and Santos, José Paulo and Parente, Fernando},
    urldate = \{2024-03-03\}.
    date = \{2000-10-13\}.
    note = {Publisher: American Physical Society},
</reference>
      <reference id="3">
@article{kurokawa high-resolution 2011,
    title = {High-resolution total-cross-section measurements for electron s
    url = {https://link.aps.org/doi/10.1103/PhysRevA.84.062717},
    doi = {10.1103/PhysRevA.84.062717}.
    abstract = {Absolute total cross sections for electron scattering from A
    groups down to 100 {meV}, above which several experimental works have be
    obtained in the present analysis differ from the values determined from
    carried out based on the spin-dependent resonant scattering theory in or
    pages = \{062717\}.
    number = \{6\},
    journaltitle = {Physical Review A},
    shortiournal = {Phys. Rev. A},
    author = {Kurokawa, M. and Kitajima, M. and Toyoshima, K. and Kishino, T
    urldate = \{2024-03-04\},\
    date = \{2011-12-29\},
    note = {Publisher: American Physical Society}.
</reference>
      <reference id="4">
@article{zatsarinny_electron-impact_2014,
    title = {Electron-impact excitation of argon at intermediate energies},
    url = {https://link.aps.org/doi/10.1103/PhysRevA.89.022706},
    doi = {10.1103/PhysRevA.89.022706},
    abstract = {Large-scale R-matrix-with-pseudostates calculations for elec
    (with respect to the number of coupled states) results for electron-impa
    representing the bound spectrum and the remaining 422 the ionization con
    experimental data for excitation raises questions about the absolute nor
    pages = \{022706\},
    number = \{2\},
    journaltitle = {Physical Review A},
    shortiournal = {Phys. Rev. A},
    author = {Zatsarinny, Oleg and Wang, Yang and Bartschat, Klaus},
    urldate = \{2024-03-04\},\
    date = \{2014-02-18\},
    note = {Publisher: American Physical Society},
</reference>
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Thank you

03/12/2024