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Atoms 2024, 12(4), 24; <https://doi.org/10.3390/atoms12040024> (<https://doi.org/10.3390/atoms12040024>) - 17 Apr 2024
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L-Shell Photoionization of Magnesium-like Ions with New Results for C^{5+} (2218-2004/11/4/66)
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Atoms 2023, 11(4), 66; <https://doi.org/10.3390/atoms11040066> (<https://doi.org/10.3390/atoms11040066>) - 3 Apr 2023
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Experimental and Theoretical Study of Photoionization of Cl III (J2218-2004/11/2/28)
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Atoms 2023, 11(2), 28; <https://doi.org/10.3390/atoms11020028> (<https://doi.org/10.3390/atoms11020028>) - 3 Feb 2023

Abstract Photoionization of Cl III ions into Cl IV was studied theoretically using the ab initio relativistic Breit–Pauli R-matrix (BPRM) method and experimentally at the Advanced Light Source (ALS) synchrotron at the Lawrence Berkeley National Laboratory. A relative-ion-yield spectrum of Cl IV was measured [1]. [Read more.](#)
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Photoionization from Various Systems and Radiative-Rate Coefficients (2218-2004/10/19)
by Anand K. Bhatia

Atoms 2022, 10(1), 9; <https://doi.org/10.3390/atoms10010009> / <https://doi.org/10.3390/atoms10010009> - 19 Jan 2022
CrossRef | [arXiv:2201.09453](https://arxiv.org/abs/2201.09453) | [arXiv:2201.09453](https://arxiv.org/abs/2201.09453) | Viewed by 2530

Abstract: Photoionization or photoelectric effect is an important process. It has applications in solar- and astrophysics. In addition to accurate wave function of the target, accurate cross-sections are required. There are various approaches, like exchange approximation, method of polarized orbitals, close-coupling approximation, R-matrix formalism, [L₁](#) method, [L₂](#) method.

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