

Abstract Submitted
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Atomic Spectra Bibliography Databases at NIST¹ ALEXANDER KRAMIDA, National Institute of Standards and Technology — NIST's Atomic Spectroscopy Data Center maintains three online Bibliographic Databases (BD) [<http://physics.nist.gov/PhysRefData/ASBib1/index.html>]: – Atomic Energy Levels and Spectra (AEL BD), Atomic Transition Probability (ATP BD), and Atomic Spectral Line Broadening (ALB BD). This year marks new releases of these BDs – AEL BD v.2.0, ATP BD v.9.0, and ALB DB v.3.0. These releases incorporate significant improvements in the quantity and quality of bibliographic data since the previous versions published first in 2006. The total number of papers in the three DBs grew from 20,000 to 30,000. The data search is now made easier, and the returned content is enriched with direct links to online journal articles and universal Digital Object Identifiers. Statistics show a nearly constant flow of new publications on atomic spectroscopy, about 600 new papers published each year since 1968. New papers are inserted in our BDs every two weeks on average.

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Alexander Kramida
National Institute of Standards and Technology

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