

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) containing references to papers with atomic data for controlled fusion research, modeling and diagnostics of astrophysical and terrestrial plasmas, and fundamental properties of electronic spectra of atoms and ions. The NIST Atomic Energy Levels and Spectra BD [<http://physics.nist.gov/elevbib>] now includes about 14500 references, mostly for years 1967–2009. The NIST Atomic Transition Probability BD, v. 8.1 [<http://physics.nist.gov/fvalbib>] with its 8000 references mainly covers years 1964–2008. The NIST Spectral Line Broadening BD, v. 2.0 [<http://physics.nist.gov/linebrbib>] has 4000 references, mostly for 1975–2008. All three databases are regularly updated with current publications. During the last year, the literature on atomic spectroscopy was reviewed for publication years 1990 through 2005, which significantly improved the coverage in all three BDs. We continue the work to include papers published before 1975 in the Line Broadening BD.

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