

Abstract Submitted
for the DAMOP06 Meeting of
The American Physical Society

**New
and Updated Atomic Databases at NIST¹** YURI RALCHENKO, JOSEPH
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nology — We present a number of updated and newly developed databases at NIST.
New spectral lines compilations for all ionization stages of Na and Mg and other data
sets were recently added to the Atomic Spectra Database (currently version 3.0.3)
which now contains data on 75,000 energy levels and about 130,000 spectral lines
for all elements up to $Z=99$. A new database (SAHA) containing benchmark data
for plasma populationkinetics modeling has been released in its beta version. SAHA
database presents various selection and graphical tools for comparison of results cal-
culated with the most advanced collisional-radiative computer codes. Finally, we
report on a new comprehensive bibliographic database covering references on energy
levels, spectral linesm and line shapes and broadening.

¹Supported in part by the Office of Fusion Energy Sciences of the U.S. Department
of Energy and National Aeronautics and Space Administration.

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Date submitted: 27 Jan 2006

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