1. Motivation & Background

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EAST (www.iter.org)
ITER (Rev. Sci. Instrum. 85, 093301)

2. Method

a) Multi-conflguration Dirac-Fock Hamiltonian.
b) Radiative Transition Rates.
c) Collisional-Radiative Modeling.

3. Result & Discussion: EUV spectrum of W^{43+}-W^{45+} ions in the EBIT

4. Result & Discussion: EUV spectrum of W^{41+}-W^{45+} ions in the EAST

5. Result & Discussion: The M1 transitions and visible spectra of W^{45+} ion

References


Acknowledgement