

Study of Electron impact single ionization tungsten ions W64+-W71+

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The cross-sections and Maxwellian rate coefficients of electron impact single ionization is theoretically investigated for tungsten ions (W68+ to W71+) for fine structure levels of configurations containing $n = 2$ orbitals. Maxwellian rate coefficients for ground state are evaluated at the temperature range 20keV to 300keV. Detailed comparison between results from different approximations, binary encounter dipole (BED), distorted wave (DW) and coulomb born exchange (CBE) is presented graphically. The present study of tungsten ions may be useful in fusion plasma modelling and in future comparison.

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