

Abstract Submitted
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Electron-impact ionization of the Se^{2+} and Se^{3+} atomic ions¹ S. D. LOCH, M. S. PINDZOLA, Department of Physics at Auburn University — Semi-relativistic configuration-average distorted-wave (CADW) calculations are made for the electron-impact ionization of the Se^{2+} and Se^{3+} atomic ions. The CADW calculations are found to be in reasonable agreement with recent measurements made at the Multicharged Ion Research Facility at the University of Nevada in Reno [G. A. Alnawashi et al. J. Phys. B 47, 105201 and 135203 (2014)]. The CADW calculations for configurations near ionization thresholds are checked against level to level distorted-wave (LLDW) calculations.

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M. S. Pindzola
Department of Physics at Auburn University

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