Electron Impact ionization cross sections for H-to C- isoelectronic series A.K.F. HAQUE, M.A.R. PATOARY, M.A. UDDIN, A.K. BASAK, Department of Physics, University of Rajshahi, Rajshahi-6205, Bangladesh, B.C. SAHA, Department of Physics, Florida A&M University, Tallahassee, FL-32307 — Electron impact ionization cross-sections for Hydrogen (H) to Carbon (C) isoelectronic series are calculated using few reliable models [1-5]. It is observed that these models are not only capable of generating accurate results for various targets over a wide energy domain, ranging from threshold to few MeV but also found successful in describing the most of the experimental findings. In various modeling applications their use will ease the massive data generation needs.


This work is supported partially by NNSA Grant.

Bidhan Saha
Department of Physics,
Florida A&M University, Tallahassee, FL-32307

Date submitted: 26 Jan 2015
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