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Electron Impact ionization of H, He and Li isoelectronic series¹ B.C. SAHA, Department of Physics, Florida A&M University, Tallahassee, FL-32307., A.K. BASAK, M.A. UDDIN, A.K.F. HAQUE, M.A.R. PATOARY, Department of Physics, University of Rajshahi, Rajshahi-6205, Rajshahi, Bangladesh. — Electron impact ionization cross-sections for Hydrogen (H), Helium (He) and Lithium (Li) isoelectronic series are presented for $E \leq 2.0 keV$. A few simple models [1] suitable for rapid generation of accurate results as needed for various modeling codes are used to calculate cross sections. Our results describe reasonably well the experimental findings. Details will be presented at the conference.

A. K. F. Haque, M. A. Uddin, M. Shahjahan, M. R Talukder, A. K. Basak and B. C. Saha, "Electron impact inner-shell ionization of atoms", in *Advances in Quantum Chemistry*, **61**,309-373 (2011).

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