

Abstract Submitted
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Electron Impact K-shell Ionization Cross Sections¹ M.A.R. PATOARY, M. ALFAZ UDDIN, A.K.F. HAQUE, M. SHAHJAHAN, A.K. BASAK, M.R. TALUKDER, Department of Physics, University of Rajshahi, Rajshahi, Bangladesh, BIDHAN SAHA, Department of Physics, Florida A&M University — A new semi-empirical model comprising few important features of the DM [1] model and Bell [2] model is used to evaluate the electron impact K-shell ionization cross sections of 30 atomic targets ranging from H to U ($Z=1-92$). Details results will be presented at the conference [1] H. Deutsh, K. Becker, T. D. Mark, Int. J. Mass Spect. 177, 47 (1998). [2] K. L. Bell, H. B. Gilbody, J. G. Hughes, A. E. Kingston and F. J. J. Smith, Phys. Chem. Ref. Data 12, 891 (1983).

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