Inner-Shell Ionization of Atoms (Z=6 to 92) by electron

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The electron impact ionization (EII) is of fundamental importance in understanding the physics of the collision process involving many-electron. Accurate EII cross sections (EIICS) are essential in many fields, ranging from astrophysics to molecular physics, to plasma physics for different targets over a wide range of energies. Four easy to handle models, such as the MBELL, XCVTS, GKLV and MUIBED [1], are used to evaluate EIICS. A few selected targets are considered to report their predictions and compared them with experimental EIICS data and other theoretical findings at the conference.


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