Electron Impact ionization of H, He and Li isoelectronic series

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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 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.


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