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Electron Ionization of the CN+ Molecule M S PINDZOLA, Auburn University, J P COLGAN, LANL — A configuration-average distorted-wave method is used to calculate electron-impact ionization cross sections for the CN+ molecule. The summed cross sections for the $3\sigma^2$, $4\sigma^2$, $1\pi^2$, and $5\sigma^2$ subshells of the ground configuration and the $3\sigma^2$, $4\sigma^2$, and $1\pi^4$ subshells of the first excited configuration are compared with summed ionization cross sections for the production of CN+2, C+, N+, C+2, and N+2 at the crossed-beams facility, Louvain-la-Neuve, Belgium.

M S Pindzola
Auburn University

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