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Photoionization of the CO Molecule J. P. COLGAN, Los Alamos National Laboratory, Los Alamos, NM, M. S. PINDZOLA, Auburn University, Auburn, AL — A configuration-average distorted-wave method is used to calculate the photoionization cross section for the CO molecule. The valence bound molecular orbital is found from Hartree-Fock calculations for CO, while the potential for the ejected electron is found from Hartree-Fock calculations for CO+. The cross sections are compared with R-matrix calculations and experiment.

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