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Low energy electron impact vibrational excitation of acetylene. ¹ SIGMA PATRA, LEIGH HARGREAVES, MURTADHA KHAKOO, Cal State University Fullerton, CA 92834, USA — Experimental differential cross sections for the vibration excitation of the four fundamental modes of acetylene at low incident electron energies from 1eV to 20eV and scattering angles of 10° to 130° will be presented. The results will be compared to results available in the literature.

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