

Abstract Submitted
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Low energy elastic scattering and vibrational excitation of THF¹
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— Tetrahydrofuran is a reasonable model for the deoxy-ribose part of the DNA back-
bone and it has attracted much recent attention in the context of electron-induced
radiation damage. In this paper we extend recent measurements of absolute elastic
electron scattering cross sections to energies below the shape resonance (6.5 eV) and
also provide measurements of vibrational excitation for energies below 10 eV.

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