Low energy elastic scattering and vibrational excitation of THF\textsuperscript{1}  
VIOLAINE VIZCAINO, JAMES SULLIVAN, STEPHEN BUCKMAN, Centre for Antimatter-Matter Studies, Australian National University, JASON ROBERTS, MICHAEL BRUNGER, Centre for Antimatter-Matter Studies, Flinders University — Tetrahydrofuran is a reasonable model for the deoxy-ribose part of the DNA backbone 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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