

Abstract Submitted
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Positron Scattering from 3-hydroxy-tetrahydrofuran MICHAEL BRUNGER, ARC Centre for Antimatter-Matter Studies, SoCPES, Flinders University, GPO Box 2100, Adelaide, SA 5001, Australia, ANTONIO ZECCA, LUCA CHIARI, Department of Physics, University of Trento, I-38050 Povo, Italy, ANINDYA SARKAR, Bangabasi Morning College, 19 R.C. Sarani, Kolkata 700 009, India — We report results from the first measurements of total cross sections for positron scattering from the important bio-molecule 3-hydroxy-tetrahydrofuran. In this case the energy range of our work is 0.4 – 40.4 eV. While there are currently no theoretical data against which we can compare these results, a comparison with corresponding measurements for the geometrically similar species tetrahydrofuran¹ is made.

¹A Zecca, C Perazzolli and M J Brunger 2005 J Phys B 38, 2079.

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