Abstract Submitted
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Low Energy Elastic Electron Scattering from Propyne-C_3H_4[1] B HLOUSEK, California State University, Fullerton, M ZAWADZKI, Gdansk University of Technology, Gdansk, Poland, MURTADHA A KHAKOO, California State University, Fullerton — Experimental differential cross sections for electron scattering from gaseous C_3H_4 are presented. The measurements employed the relative flow method with a moveable aperture target gas delivery source [1], using helium [2,3] as standard. The moveable source enabled accurate determinations of background scattering [1]. The measurements were taken at incident electron energies of 1 eV to 30 eV and scattering angles of 10^o to 130^o. Comparisons to any existing calculations will be made. [1] M. A. Khakoo *et al.*, J. Phys.B. **40**, 3601 (2007). [2] R. K. Nesbet, Phys. Rev. A **20**, 58 (1979). [3] D. F. Register et al. Phys. Rev. A **21**, 1134 (1980).

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