

Abstract Submitted
for the GEC12 Meeting of
The American Physical Society

Low Energy Elastic Electron Scattering from Acetaldehyde¹
ALEXSANDER GAUF, GEORGE BALCH, CHRISTOPHER NAVARRO, LEIGH
R. HARGREAVES, MURTADHA A. KHAKOO, California State University Fuller-
ton, CARL WINSTEAD, VINCENT MCKOY, California Institute of Technology,
California — We report experimental and theoretical (Schwinger Multi-Channel
method, with polarization effects) for electron scattering from acetaldehyde. The
incident energies range from 1eV to 30eV and scattering angles from 10 to 130°. The
experimental method used a moveable aperture source with the relative flow
method. Comparisons between theory and experiment will be presented.

¹Funded by NSF Grants RUI-PHY 0653452 and PHY 0653396.

Murtadha A. Khakoo
California State University Fullerton

Date submitted: 18 Jun 2012

Electronic form version 1.4