Abstract Submitted
for the DAMOP16 Meeting of
The American Physical Society

Elastic Electron Scattering from o-, m- and p- Xylene.[1] MURTADHA KHAKOO, AHMAD SAKAAMINI, SABAHA KHAKOO, LEIGH HARGREAVES, Cal State University Fullerton, CA 92831, USA, DIEGO PASTEGA, MARCIO BETTEGA, Universidade Federal do Paran,Curitiba, Paran, Brazil — Low energy experimental and theoretical differential cross sections for elastic scattering of low energy electrons from all isomers of xylene are presented. The theory is the Schwinger Multi-Channel Method with Born correction and polarization effects included. Electron energies are from 1eV to 30 eV and scattering angles from 10^{o} to 130^{o}.

[1]Funded by NSF-AMOP Physics, CHPq, CAPES and FINEP

Murtadha Khakoo
Cal State University Fullerton

Date submitted: 28 Jan 2016 Electronic form version 1.4