

Abstract Submitted
for the DAMOP15 Meeting of
The American Physical Society

Xenon (e,2e) triple differential cross sections ROBERT D. MYD-
LOWSKI, Physics Department, Old Dominion University, Norfolk, Virginia, H.R.J.
WALTERS, Department of Applied Mathematics and Theoretical Physics, The
Queen's University, Belfast, UK, COLM T. WHELAN, Physics Department, Old
Dominion University, Norfolk, Virginia — Recently there have been published some
interesting experiments on the outer shell of xenon performed in doubly symmetric
energy sharing arrangements.¹ These experiments present a substantial challenge to
theory, not only have we an extremely complex target but the kinematics are such
that the key few body effects of exchange, distortion and post collisional electron-
electron interaction (pci) and target polarization are likely to be at their strongest
and the TDCS will be sensitive to them and their interference. Theoretical results
will be presented and compared with experiment

¹Kate L Nixon and Andrew James Murray, Phys Rev A, **85**, 022716, 2012

Colm Whelan
Physics Department, Old Dominion University, Norfolk, Virginia

Date submitted: 29 Jan 2015

Electronic form version 1.4