

Co-authored papers/publications – Undergraduate and Graduate Students

Department of Physics – September 2006

Professor - Das, Saurya

S. Das, **M. Ahmadi***, S. Shankaranarayanan, *Is entanglement entropy proportional to area?*, Canadian Journal of Physics. Canadian Journal Phys. 84(S2) (2006) 1-7 [arXiv: hep-th/0507228]

Professor – Patitsas, Steve

P. Maraghechi*, **S. Horn*** and S. N. Patitsas, *Site selective atomic chlorine adsorption on the Si(111)7x7 surface*, Surface Science Letters, accepted Aug/2006 and in press.

G. P. Lopinski, B. J. Eves, O. Hul'ko, C. Mark, S. N. Patitsas, R. Boukherroub, and T. R. Ward, *Enhanced conductance of chlorine-terminated Si(111) surfaces: Formation of a two-dimensional hole gas via chemical modification*, Phys. Rev. B **71**, 125308 (March 2005).

Professor - Predoi-Cross, Adriana

A. Predoi-Cross, **K. Hambrook***, **M. Brawley-Tremblay***, J-P Bouanich, M.V. Devi, C Chris Benner, and L. R. Brown, *Measurements and Theoretical Calculations of Self-Broadening and Self-Shift Coefficients in the n_2 Band of CH_3D* , Journal of Molecular Spectroscopy, Vol. 234, 53-74 (2005).

A. Predoi-Cross, L. R. Brown, V. Malathy Devi, **M. Brawley-Tremblay***, and D. Chris Benner, *Multispectrum analysis of $^{12}CH_4$ from 4100 to 4635 cm^{-1} : 1. self-broadening coefficients (widths and shifts)*, Journal of Molecular Spectroscopy, Vol. 232, 231-246 (2005).

Professor – Siminovitch, David

R.P. Goodman*, J. Hancock*, M. Siemens*, H.C. Jarrell, and D.J. Siminovitch: *"DRAMATIC Transforms in Magic-Angle Spinning Recoupling NMR: The Bessel Function Pathway"*, Solid State Nuclear Magnetic Resonance 28, 22-30 (2005).

Professor - Vos, Kenneth

J. M. Tipper**, **C. R. Genert*** and K. J. E. Vos, *The binding of charge carriers in the extended $t - J$ model*, Phys. Rev. B. **71**, 054515 (2005).

J. M. Tipper* and K. J. E. Vos, *The formation of stripes and incommensurate peaks in the orthorhombic phase of underdoped $La_{2-x}Sr_xCuO_2$* , Phys. Rev. B. **67**, 144511 (2003).

Professor - Walton, Mark

J. Hancock*, M.A. Walton, **B. Wynder***, '*Quantum Mechanics Another Way*',
European Journal of Physics 25 (2004) 525-534; physics/0405029

G. Flynn*, J. Rasmussen, **M. Tahic***, M.A. Walton, '*Higher Genus $su(N)$ Fusion
Multiplicities as Polytope Volumes*', Journal of Physics A35 (2002) 10129-10147;
hep-th/0209020

Legend

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