PHYSICAL REVIEW B THIRD SERIES, VOLUME 82, NUMBER 4 JULY 2010-15(II)

Optical detection of folded mini-zone-edge coherent acoustic modes in a doped GaAs/AlAs superlattice *(4 pages)* . . . . . 041302(R)
R. Beardsley, A. V. Akimov, B. A. Glavin, W. Maryam, M. Henini, and A. J. Kent

Low-dimensional detector model for full counting statistics: Trajectories, back action, and fidelity *(4 pages)* . . . . . 041303(R)
Gernot Schaller, Gerold Kießlich, and Tobias Brandes

Zero differential resistance in two-dimensional electron systems at large filling factors *(4 pages)* . . . . . 041304(R)
A. T. Hatke, H.-S. Chiang, M. A. Zudov, L. N. Pfeiffer, and K. W. West

Measurement of spin-dependent conductivities in a two-dimensional electron gas *(4 pages)* . . . . . 041305(R)
H. Ebrahimnejad, Y. Ren, S. M. Frolov, I. Adagideli, J. A. Folk, and W. Wegscheider

Nonequilibrium electron spectroscopy of Luttinger liquids *(4 pages)* . . . . . 041306(R)
S. Takei, M. Milletarì, and B. Rosenow

Positrons as interface-sensitive probes of polar semiconductor heterostructures *(4 pages)* . . . . . 041307(R)
I. Makkonen, A. Snicker, M. J. Puska, J.-M. Mäki, and F. Tuomisto

Stimulated Raman scattering in silicon photonic crystal waveguides under continuous excitation *(4 pages)* . . . . . 041308(R)
X. Checoury, Z. Han, and P. Boucaud

Prediction of resonant all-electric spin pumping with spin-orbit coupling *(4 pages)* . . . . . 041309(R)
Valentina Brosco, Markus Jerger, Pablo San-José, Gergely Zarand, Alexander Shnirman, and Gerd Schön

Excitation spectra of terahertz Bloch emission in semiconductor superlattices *(4 pages)* . . . . . 041310(R)
J. R. Cárdenas, T. Ihara, R. Ferreira, K. Hirakawa, and G. Bastard

Phase-sensitive probes of nuclear polarization in spin-blockaded transport *(4 pages)* . . . . . 041311(R)
M. S. Rudner, I. Neder, L. S. Levitov, and B. I. Halperin

Surface physics, nanoscale physics, low-dimensional systems

Length- and parity-dependent electronic states in one-dimensional carbon atomic chains on C(111) *(4 pages)* . . . . . 041401(R)
Hyun-Jung Kim, Sangchul Oh, Ki-Seok Kim, Zhenyu Zhang, and Jun-Hyung Cho

Phonon switching and combined Fano-Rice effect in optical spectra of bilayer graphene *(4 pages)* . . . . . 041402(R)
E. Cappelluti, L. Benfatto, and A. B. Kuzmenko

Formation mechanism of peapod-derived double-walled carbon nanotubes *(4 pages)* . . . . . 041403(R)
Feng Ding, Ziwei Xu, Boris I. Yakobson, Robert J. Young, Ian A. Kinloch, Shuang Cui, Libo Deng, Pascal Puech, and Marc Monthioux

Spin-orbit interaction in chiral carbon nanotubes probed in pulsed magnetic fields *(4 pages)* . . . . . 041404(R)
S. H. Jhang, M. Marganska, Y. Skourski, D. Preusche, B. Witkamp, M. Grifoni, H. van der Zant, J. Wosnitza, and C. Strunk

Majorana fermion chain at the quantum spin Hall edge *(4 pages)* . . . . . 041405(R)
V. Shivamoggi, G. Refael, and J. E. Moore

Charged impurity scattering in bilayer graphene *(4 pages)* . . . . . 041406(R)
Shudong Xiao, Jian-Hao Chen, Shaffique Adam, Ellen D. Williams, and Michael S. Fuhrer

(Continued)

Selected for a Viewpoint in *Physics*. Please visit http://physics.aps.org/.

The editors and referees of PRB find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. B 77, 130001 (2008).