

A conducting 2D crystal sandwiched between two insulating ferromagnets forms a so-called Van der Waals spin valve. Magnetization of the top ferromagnetic layer can point in either direction while the bottom one is pinned, resulting in two different in-plane conductances. Selected for an Editors' Suggestion. [C. Cardoso *et al.*, Phys. Rev. Lett. **121**, 067701 (2018)]

NEWSPAPER

PHYSICAL REVIEW LETTERS

Contents

Articles published 4 August–10 August 2018

VOLUME 121, NUMBER 6 10 August 2018

General Physics: Statistical and Quantum Mechanics, Quantum Information, etc.

Coulomb-Gas Electrostatics Controls Large Fluctuations of the Kardar-Parisi-Zhang Equation 060201
Ivan Corwin, Promit Ghosal, Alexandre Krajenbrink, Pierre Le Doussal, and Li-Cheng Tsai

Controllable Non-Markovianity for a Spin Qubit in Diamond 060401
J. F. Haase, P. J. Vetter, T. Unden, A. Smirne, J. Rosskopf, B. Naydenov, A. Stacey, F. Jelezko, M. B. Plenio, and S. F. Huelga

Twins Percolation for Qubit Losses in Topological Color Codes 060501
Davide Vodola, David Amaro, Miguel Angel Martin-Delgado, and Markus Müller

Fast and Unconditional All-Microwave Reset of a Superconducting Qubit 060502
P. Magnard, P. Kurpiers, B. Royer, T. Walter, J.-C. Besse, S. Gasparinetti, M. Pechal, J. Heinsoo, S. Storz, A. Blais, and A. Wallraff

Parity-Engineered Light-Matter Interaction 060503
J. Goetz, F. Deppe, K. G. Fedorov, P. Eder, M. Fischer, S. Pogorzalek, E. Xie, A. Marx, and R. Gross

Internal Entanglement and External Correlations of Any Form Limit Each Other 060504
S. Camalet

Quantum Schur Sampling Circuits can be Strongly Simulated 060505
Vojtěch Havlíček and Sergii Strelchuk

Achieving Heisenberg-Scaling Precision with Projective Measurement on Single Photons 060506
Geng Chen, Lijian Zhang, Wen-Hao Zhang, Xing-Xiang Peng, Liang Xu, Zhao-Di Liu, Xiao-Ye Xu, Jian-Shun Tang, Yong-Nan Sun, De-Yong He, Jin-Shi Xu, Zong-Quan Zhou, Chuan-Feng Li, and Guang-Can Guo

Spectral Statistics in Spatially Extended Chaotic Quantum Many-Body Systems 060601
Amos Chan, Andrea De Luca, and J. T. Chalker

Gravitation and Astrophysics

Black Hole Quasibound States from a Draining Bathtub Vortex Flow 061101
Sam Patrick, Antonin Coutant, Maurício Richartz, and Silke Weinfurtner

Searching for Dark Photon Dark Matter with Gravitational-Wave Detectors 061102
Aaron Pierce, Keith Riles, and Yue Zhao

Elementary Particles and Fields

Braiding with Borromean Rings in (3 + 1)-Dimensional Spacetime 061601
AtMa P. O. Chan, Peng Ye, and Shinsei Ryu

Testing Dark Decays of Baryons in Neutron Stars 061801
Gordon Baym, D. H. Beck, Peter Geltenbort, and Jessie Shelton

Neutron Stars Exclude Light Dark Baryons 061802
David McKeen, Ann E. Nelson, Sanjay Reddy, and Dake Zhou

(Continued Inside)

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0031-9007(20180810)121:6;1-7

SENSEI: First Direct-Detection Constraints on Sub-GeV Dark Matter from a Surface Run 061803
Michael Crisler, Rouven Essig, Juan Estrada, Guillermo Fernandez, Javier Tiffenberg, Miguel Sofo Haro, Tomer Volansky, and Tien-Tien Yu (SENSEI Collaboration)

Observation of $\Upsilon(4S) \to \eta'\Upsilon(1S)$ 062001
E. Guido *et al.* (Belle Collaboration)

Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV 062002
A. M. Sirunyan *et al.* (CMS Collaboration)

Measurement of the Absolute Branching Fraction of the Inclusive Decay $\Lambda_c^+ \to \Lambda + X$ 062003
M. Ablikim *et al.* (BESIII Collaboration)

Nuclear Physics

Novel Shape Evolution in Sn Isotopes from Magic Numbers 50 to 82 062501
Tomoaki Togashi, Yusuke Tsunoda, Takaharu Otsuka, Noritaka Shimizu, and Michio Honma

Neutron Star Tidal Deformabilities Constrained by Nuclear Theory and Experiment 062701
Yeunhwan Lim and Jeremy W. Holt

Atomic, Molecular, and Optical Physics

Ultracold Rare-Earth Magnetic Atoms with an Electric Dipole Moment 063201
Maxence Lepers, Hui Li, Jean-François Wyart, Goulven Quéméner, and Olivier Dulieu

Low-Energy Electron Emission in the Strong-Field Ionization of Rare Gas Clusters 063202
Bernd Schütte, Christian Peltz, Dane R. Austin, Christian Strüber, Peng Ye, Arnaud Rouzée, Marc J. J. Vrakking, Nikolay Golubev, Alexander I. Kuleff, Thomas Fennel, and Jon P. Marangos

Quantum Synchronization and Entanglement Generation 063601
Alexandre Roulet and Christoph Bruder

Sensing Static Forces with Free-Falling Nanoparticles 063602
Erik Hebestreit, Martin Frimmer, René Reimann, and Lukas Novotny

Nonlinear Dynamics, Fluid Dynamics, Classical Optics, etc.

Precise Localization of Multiple Noncooperative Objects in a Disordered Cavity by Wave Front Shaping 063901
Philipp del Hougne, Mohammadreza F. Imani, Mathias Fink, David R. Smith, and Geoffroy Lerosey

Thermal and Nonlinear Dissipative-Soliton Dynamics in Kerr-Microresonator Frequency Combs 063902
Jordan R. Stone, Travis C. Briles, Tara E. Drake, Daryl T. Spencer, David R. Carlson, Scott A. Diddams, and Scott B. Papp

Measurements of Radiation Pressure Owing to the Grating Momentum 063903
Ying-Ju Lucy Chu, Eric M. Jansson, and Grover A. Swartzlander

Elastic Purcell Effect 064301
Mikołaj K. Schmidt, L. G. Helt, Christopher G. Poulton, and M. J. Steel

Chaotic Blowup in the 3D Incompressible Euler Equations on a Logarithmic Lattice 064501
Ciro S. Campolina and Alexei A. Mailybaev

Magnetic Levitation Stabilized by Streaming Fluid Flows 064502
K. A. Baldwin, J.-B. de Fouchier, P. S. Atkinson, R. J. A. Hill, M. R. Swift, and D. J. Fairhurst

Transient Nonlinear Response of Dynamically Decoupled Ionic Conductors 064503
Felix Wieland, Alexei P. Sokolov, Roland Böhmer, and Catalin Gainaru

Plasma and Beam Physics

Observation of High Transformer Ratio Plasma Wakefield Acceleration 064801
Gregor Loisch, Galina Asova, Prach Boonpornprasert, Reinhard Brinkmann, Ye Chen, Johannes Engel, James Good, Matthias Gross, Florian Grüner, Holger Huck, Davit Kalantaryan, Mikhail Krasilnikov, Osip Lishilin, Alberto Martinez de la Ossa, Timon J. Mehrling, David Melkumyan, Anne Oppelt, Jens Osterhoff, Houjun Qian, Yves Renier, Frank Stephan, Carmen Tenholt, Valentin Wohlfarth, and Quantang Zhao

(Continued on Preceding Page)

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By suggesting a few manuscripts each week, we hope to promote reading across fields. Please see our Announcement Phys. Rev. Lett. 98, 010001 (2007)

Control of the Lasing Slice by Transverse Mismatch in an X-Ray Free-Electron Laser 064802
Yu-Chiu Chao, Weilun Qin, Yuantao Ding, Alberto A. Lutman, and Timothy Maxwell

Intrinsic Stabilization of the Drive Beam in Plasma-Wakefield Accelerators 064803
A. Martinez de la Ossa, T. J. Mehrling, and J. Osterhoff

First Six Dimensional Phase Space Measurement of an Accelerator Beam 064804
Brandon Cathey, Sarah Cousineau, Alexander Aleksandrov, and Alexander Zhukov

Condensed Matter: Structure, etc.

Bond-Breaking Efficiency of High-Energy Ions in Ultrathin Polymer Films 066101
R. Thomaz, P. Louette, G. Hoff, S. Müller, J. J. Pireaux, C. Trautmann, and R. M. Papaléo

Condensed Matter: Electronic Properties, etc.

Ubiquitous Spin-Orbit Coupling in a Screw Dislocation with High Spin Coherency 066401
Lin Hu, Huaqing Huang, Zhengfei Wang, W. Jiang, Xiaojuan Ni, Yinong Zhou, V. Zielasek, M. G. Lagally, Bing Huang, and Feng Liu

Correlation-Driven Dimerization and Topological Gap Opening in Isotropically Strained Graphene 066402
Sandro Sorella, Kazuhiro Seki, Oleg O. Brovko, Tomonori Shirakawa, Shohei Miyakoshi, Seiji Yunoki, and Erio Tosatti

Hall Number of Strongly Correlated Metals 066601
Assa Auerbach

Counterpropagating Fractional Hall States in Mirror-Symmetric Dirac Semimetals 066602
Yafis Barlas

Spin Transport and Accumulation in a 2D Weyl Fermion System 066603
T. Tzen Ong and Naoto Nagaosa

Model Predictions for Time-Resolved Transport Measurements Made near the Superfluid Critical Points of Cold Atoms and K_3C_{60} Films 067001
Yonah Lemonik and Aditi Mitra

Spin Waves in Detwinned $BaFe_2As_2$ 067002
Xingye Lu, Daniel D. Scherer, David W. Tam, Wenliang Zhang, Rui Zhang, Huiqian Luo, Leland W. Harriger, H. C. Walker, D. T. Adroja, Brian M. Andersen, and Pengcheng Dai

Quantum Spin Ice with Frustrated Transverse Exchange: From a π-Flux Phase to a Nematic Quantum Spin Liquid 067201
Owen Benton, L. D. C. Jaubert, Rajiv R. P. Singh, Jaan Oitmaa, and Nic Shannon

Pauling Entropy, Metastability, and Equilibrium in $Dy_2Ti_2O_7$ Spin Ice 067202
S. R. Giblin, M. Twengström, L. Bovo, M. Ruminy, M. Bartkowiak, P. Manuel, J. C. Andresen, D. Prabhakaran, G. Balakrishnan, E. Pomjakushina, C. Paulsen, E. Lhotel, L. Keller, M. Frontzek, S. C. Capelli, O. Zaharko, P. A. McClarty, S. T. Bramwell, P. Henelius, and T. Fennell

Generation of Quantized Polaritons below the Condensation Threshold 067401
Peter Cristofolini, Z. Hatzopoulos, Pavlos G. Savvidis, and Jeremy J. Baumberg

Lattice Energetics and Correlation-Driven Metal-Insulator Transitions: The Case of Ca_2RuO_4 067601
Qiang Han and Andrew Millis

Nematicity and Charge Order in Superoxygenated $La_{2-x}Sr_xCuO_{4+y}$ 067602
Zhiwei Zhang, R. Sutarto, F. He, F. C. Chou, L. Udby, S. L. Holm, Z. H. Zhu, W. A. Hines, J. I. Budnick, and B. O. Wells

Van der Waals Spin Valves 067701
C. Cardoso, D. Soriano, N. A. García-Martínez, and J. Fernández-Rossier

Electrical Reservoirs for Bilayer Excitons 067702
Ming Xie and A. H. MacDonald

Polymer, Soft Matter, Biological, Climate, and Interdisciplinary Physics

Controlled Fluidization, Mobility, and Clogging in Obstacle Arrays Using Periodic Perturbations 068001
C. Reichhardt and C. J. O. Reichhardt

(Continued on Preceding Page)

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Hamiltonian Transformation to Compute Thermo-osmotic Forces 068002
Raman Ganti, Yawei Liu, and Daan Frenkel
Paradox of Contact Angle Selection on Stretched Soft Solids 068003
Jacco H. Snoeijer, Etienne Rolley, and Bruno Andreotti

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