



Representation showing melting (top left) and recrystallization (bottom left) of nanostructured micellar colloidal crystals undergoing oscillatory shear deformation. Corresponding profiles (right) measured with the time-resolved oscillatory rheological small-angle neutron scattering technique. [Carlos R. López-Barrón *et al.*, Phys. Rev. Lett. **108**, 258301 (2012)]

PHYSICAL REVIEW LETTERS™

Contents

Articles published 16 June–22 June 2012

VOLUME 108, NUMBER 25

22 June 2012

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

Alternative Route to Strong Interaction: Narrow Feshbach Resonance	250401
Tin-Lun Ho, Xiaoling Cui, and Weiran Li	
Nucleation in Finite Topological Systems During Continuous Metastable Quantum Phase Transitions	250402
Oleksandr Fialko, Marie-Coralie Delattre, Joachim Brand, and Andrey R. Kolovsky	
Quantum Cost for Sending Entanglement	250501
Alexander Streltsov, Hermann Kampermann, and Dagmar Bruß	
Optimal Unambiguous Discrimination of Pure Quantum States	250502
János A. Bergou, Ulrike Futschik, and Edgar Feldman	
Logarithmic Oscillators: Ideal Hamiltonian Thermostats	250601
Michele Campisi, Fei Zhan, Peter Talkner, and Peter Hänggi	
Single Temperature for Monte Carlo Optimization on Complex Landscapes	250602
Denis Tolkunov and Alexandre V. Morozov	

Gravitation and Astrophysics

Critical Conditions for Core-Collapse Supernovae	251101
Uri Keshet and Shmuel Balberg	
Clustering Fossils from the Early Universe	251301
Donghui Jeong and Marc Kamionkowski	

Elementary Particles and Fields

Fermi Surfaces in Maximal Gauged Supergravity	251601
Oliver DeWolfe, Steven S. Gubser, and Christopher Rosen	
Unified Description of Nambu-Goldstone Bosons without Lorentz Invariance	251602
Haruki Watanabe and Hitoshi Murayama	
Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector	251801
G. Aad <i>et al.</i> (ATLAS Collaboration)	
First Observation of the Decay $B_c^+ \rightarrow J/\psi \pi^+ \pi^- \pi^+$	251802
R. Aaij <i>et al.</i> (LHCb Collaboration)	
How Well Do We Know the Neutron Structure Function?	252001
J. Arrington, J.G. Rubin, and W. Melnitchouk	
Observation of a New Ξ_b Baryon	252002
S. Chatrchyan <i>et al.</i> (CMS Collaboration)	

(Continued Inside)

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0031-9007(20120622)108:25;1-9

Nuclear Physics

Fluctuating Glasma Initial Conditions and Flow in Heavy Ion Collisions	252301
Björn Schenke, Prithwish Tribedy, and Raju Venugopalan	
Directed Flow at Midrapidity in $\sqrt{s_{NN}} = 2.76$ TeV Pb + Pb Collisions	252302
Ekaterina Retinskaya, Matthew Luzum, and Jean-Yves Ollitrault	
Nonsudden Limits of Heavy-Ion Induced Knockout Reactions	252501
F. Flavigny, A. Obertelli, A. Bonaccorso, G.F. Grinyer, C. Louchart, L. Nalpas, and A. Signoracci	

Atomic, Molecular, and Optical Physics

Dynamic Interference of Photoelectrons Produced by High-Frequency Laser Pulses	253001
Philipp V. Demekhin and Lorenz S. Cederbaum	
Finding Density Functionals with Machine Learning	253002
John C. Snyder, Matthias Rupp, Katja Hansen, Klaus-Robert Müller, and Kieron Burke	
Evidence for Chirped Auger-Electron Emission	253003
B. Schütte, S. Bauch, U. Frühling, M. Wieland, M. Gensch, E. Plönjes, T. Gaumnitz, A. Azima, M. Bonitz, and M. Drescher	
Two-Photon Cooperative Absorption in Colliding Cold Na Atoms	253004
E. Pedrozo-Peñafiel, R.R. Paiva, F.J. Vivanco, V.S. Bagnato, and K.M. Farias	
Improved Electronic Excitation Energies from Shape-Corrected Semilocal Kohn-Sham Potentials	253005
Alex P. Gaiduk, Dzmitry S. Firaha, and Viktor N. Staroverov	
Transient X-Ray Fragmentation: Probing a Prototypical Photoinduced Ring Opening	253006
Vladimir S. Petrović, Marco Siano, James L. White, Nora Berrah, Christoph Bostedt, John D. Bozek, Douglas Broege, Max Chalfin, Ryan N. Coffee, James Cryan, Li Fang, Joseph P. Farrell, Leszek J. Frasinski, James M. Glowina, Markus Gühr, Matthias Hoener, David M. Holland, Jaehye Kim, Jonathan P. Marangos, Todd Martinez, Brian K. McFarland, Russell S. Minns, Shungo Miyabe, Sebastian Schorb, Roseanne J. Sension, Limor S. Spector, Richard Squibb, Hongli Tao, Jonathan G. Underwood, and Philip H. Bucksbaum	
Direct Observation of the Hyperfine Transition of Ground-State Positronium	253401
T. Yamazaki, A. Miyazaki, T. Suehara, T. Namba, S. Asai, T. Kobayashi, H. Saito, I. Ogawa, T. Idehara, and S. Sabchevski	
Persistent Molecular Superfluid Response in Doped Para-Hydrogen Clusters	253402
P.L. Raston, W. Jäger, H. Li, R.J. Le Roy, and P.-N. Roy	
Ancilla-Assisted Calibration of a Measuring Apparatus	253601
G. Brida, L. Ciavarella, I.P. Degiovanni, M. Genovese, A. Migdall, M.G. Mingolla, M.G. Paris, F. Piacentini, and S.V. Polyakov	

Nonlinear Dynamics, Fluid Dynamics, Classical Optics, etc.

 Negative-Frequency Resonant Radiation	253901
E. Rubino, J. McLenaghan, S.C. Kehr, F. Belgiorno, D. Townsend, S. Rohr, C.E. Kuklewicz, U. Leonhardt, F. König, and D. Faccio	
Local Chirality of Optical Resonances in Ultrasmall Resonators	253902
Brandon Redding, Li Ge, Qinghai Song, Jan Wiersig, Glenn S. Solomon, and Hui Cao	
Ultrafast Polarization Shaping with Fano Plasmonic Crystals	253903
M.R. Shcherbakov, P.P. Vabishchevich, V.V. Komarova, T.V. Dolgova, V.I. Panov, V.V. Moshchalkov, and A.A. Fedyanin	
Detection of the Ultranarrow Temporal Correlation of Twin Beams via Sum-Frequency Generation	253904
O. Jedrkiewicz, J.-L. Blanchet, E. Brambilla, P. Di Trapani, and A. Gatti	
 Taylor-Couette Instability in Anisotropic Clay Suspensions Measured Using Small-Angle X-ray Scattering	254501
A.M. Philippe, C. Baravian, M. Jenny, F. Meneau, and L.J. Michot	

Plasma and Beam Physics

Absence of Debye Sheaths due to Secondary Electron Emission	255001
M.D. Campanell, A.V. Khrabrov, and I.D. Kaganovich	

(Continued on Preceding Page)



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

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

Contents (Continued)

Oscillation Spectrum of a Magnetized Strongly Coupled One-Component Plasma	255002
T. Ott, H. Kählert, A. Reynolds, and M. Bonitz	
Observation of Lobes near the X Point in Resonant Magnetic Perturbation Experiments on MAST	255003
A. Kirk, J. Harrison, Yueqiang Liu, E. Nardon, I.T. Chapman, and P. Denner (the MAST team)	
Waveform-Controlled Terahertz Radiation from the Air Filament Produced by Few-Cycle Laser Pulses	255004
Ya Bai, Liwei Song, Rongjie Xu, Chuang Li, Peng Liu, Zhinan Zeng, Zongxin Zhang, Haihe Lu, Ruxin Li, and Zhizhan Xu	
Secondary Magnetic Islands Generated by the Kelvin-Helmholtz Instability in a Reconnecting Current Sheet	255005
R.L. Fermo, J.F. Drake, and M. Swisdak	
First Measurements of Rayleigh-Taylor-Induced Magnetic Fields in Laser-Produced Plasmas	255006
M.J.-E. Manuel, C.K. Li, F.H. Séguin, J. Frenje, D.T. Casey, R.D. Petrasso, S.X. Hu, R. Betti, J.D. Hager, D.D. Meyerhofer, and V.A. Smalyuk	
Experimental Observation of Electron-Temperature-Gradient Turbulence in a Laboratory Plasma	255007
S.K. Mattoo, S.K. Singh, L.M. Awasthi, R. Singh, and P.K. Kaw	
Field Reversed Configuration Confinement Enhancement through Edge Biasing and Neutral Beam Injection	255008
M. Tuszewski <i>et al.</i> (The TAE Team)	
Condensed Matter: Structure, etc.	
Superfluid State of Repulsively Interacting Three-Component Fermionic Atoms in Optical Lattices	255301
Kensuke Inaba and Sei-ichiro Suga	
Dipolar Gases in Coupled One-Dimensional Lattices	255302
Marianne Bauer and Meera M. Parish	
Detecting Chiral Edge States in the Hofstadter Optical Lattice	255303
Nathan Goldman, Jérôme Beugnon, and Fabrice Gerbier	
Disentangling Neighbors and Extended Range Density Oscillations in Monatomic Amorphous Semiconductors	255501
S. Roorda, C. Martin, M. Droui, M. Chicoine, A. Kazimirov, and S. Kycia	
Stability and Strength of Transition-Metal Tetraborides and Triborides	255502
R.F. Zhang, D. Legut, Z.J. Lin, Y.S. Zhao, H.K. Mao, and S. Veprek	
 Giant Optical Nonlinearity of Graphene in a Strong Magnetic Field	255503
Xianghan Yao and Alexey Belyanin	
Creep in Colloidal Glasses	255701
M. Siebenbürger, M. Ballauff, and Th. Voigtmann	
Metastable Crystalline AuGe Catalysts Formed During Isothermal Germanium Nanowire Growth	255702
A.D. Gamalski, J. Tersoff, R. Sharma, C. Ducati, and S. Hofmann	
Generalized Scaling Theory for Critical Phenomena Including Essential Singularities and Infinite Dimensionality	255703
Tomoaki Nogawa, Takehisa Hasegawa, and Koji Nemoto	
Experimental Validation of the Interfacial Form of the Wiedemann-Franz Law	255901
R.B. Wilson and David G. Cahill	
Anomalous Potential Dependence in Homoepitaxial Cu(001) Electrodeposition: An <i>In Situ</i> Surface X-Ray Diffraction Study	256101
Frederik Golks, Jochim Stettner, Yvonne Gründer, Klaus Krug, Jörg Zegenhagen, and Olaf M. Magnussen	
Self-Limiting Evolution of Seeded Quantum Wires and Dots on Patterned Substrates	256102
V. Dimastrodonato, E. Pelucchi, and D.D. Vvedensky	
Condensed Matter: Electronic Properties, etc.	
Molecular Fingerprints in the Electronic Properties of Crystalline Organic Semiconductors: From Experiment to Theory	256401
S. Ciuchi, R.C. Hatch, H. Höchst, C. Faber, X. Blase, and S. Fratini	
Vanadium Dioxide: A Peierls-Mott Insulator Stable against Disorder	256402
Cédric Weber, David D. O'Regan, Nicholas D. Hine, Mike C. Payne, Gabriel Kotliar, and Peter B. Littlewood	
 Range-Separated Approach to the RPA Correlation Applied to the van der Waals Bond and to Diffusion of Defects	256403
Fabien Bruneval	

(Continued on Preceding Page)



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Strong Quantum Interference in Strongly Disordered Bosonic Insulators	256601
S.V. Syzranov, A. Moor, and K.B. Efetov	
Ⓔ Piezoresistance in Silicon at Uniaxial Compressive Stresses up to 3 GPa	256801
J.S. Milne, I. Favorskiy, A.C. Rowe, S. Arscott, and Ch. Renner	
Quantum Coherence Engineering in the Integer Quantum Hall Regime	256802
P-A. Huynh, F. Portier, H. le Sueur, G. Faini, U. Gennser, D. Mailly, F. Pierre, W. Wegscheider, and P. Roche	
Coulomb Oscillations in Antidots in the Integer and Fractional Quantum Hall Regimes	256803
A. Kou, C.M. Marcus, L.N. Pfeiffer, and K.W. West	
Fabry-Perot Interferometry with Fractional Charges	256804
D.T. McClure, W. Chang, C.M. Marcus, L.N. Pfeiffer, and K.W. West	
Dephasing by a Zero-Temperature Detector and the Friedel Sum Rule	256805
Bernd Rosenow and Yuval Gefen	
Evaluation of Ranks of Real Space and Particle Entanglement Spectra for Large Systems	256806
Iván D. Rodríguez, Steven H. Simon, and J.K. Slingerland	
Model Wave Functions for the Collective Modes and the Magnetoroton Theory of the Fractional Quantum Hall Effect	256807
Bo Yang, Zi-Xiang Hu, Z. Papić, and F.D. Haldane	
Coherent Phonon Coupling to Individual Bloch States in Photoexcited Bismuth	256808
E. Papalazarou, J. Faure, J. Mauchain, M. Marsi, A. Taleb-Ibrahimi, I. Reshetnyak, A. van Roekeghem, I. Timrov, N. Vast, B. Arnaud, and L. Perfetti	
Fractional Quantum Hall Effect of Lattice Bosons Near Commensurate Flux	256809
L. Hormozi, G. Möller, and S.H. Simon	
Tolerance of Topological Surface States towards Magnetic Moments: Fe on Bi ₂ Se ₃	256810
M.R. Scholz, J. Sánchez-Barriga, D. Marchenko, A. Varykhalov, A. Volykhov, L.V. Yashina, and O. Rader	
In-Plane Magnetic Anisotropy of Fe Atoms on Bi ₂ Se ₃ (111)	256811
J. Honolka, A.A. Khajetoorians, V. Sessi, T.O. Wehling, S. Stepanow, J.-L. Mi, B.B. Iversen, T. Schlenk, J. Wiebe, N.B. Brookes, A.I. Lichtenstein, Ph. Hofmann, K. Kern, and R. Wiesendanger	
ac Josephson Effect in Finite-Length Nanowire Junctions with Majorana Modes	257001
Pablo San-Jose, Elsa Prada, and Ramón Aguado	
Field-Induced <i>p</i> -Wave Superconducting State of Mesoscopic Systems	257002
Jia-Wei Huo, Wei-Qiang Chen, S. Raghu, and Fu-Chun Zhang	
Superconductor-Insulator Quantum Phase Transition in Disordered FeSe Thin Films	257003
R. Schneider, A.G. Zaitsev, D. Fuchs, and H. v. Löhneysen	
Quantum-Fluctuation Effects in the Transport Properties of Ultrathin Films of Disordered Superconductors above the Paramagnetic Limit	257004
M. Khodas, A. Levchenko, and G. Catelani	
Bulk Electronic Structure of Superconducting LaRu ₂ P ₂ Single Crystals Measured by Soft-X-Ray Angle-Resolved Photoemission Spectroscopy	257005
E. Razzoli, M. Kobayashi, V.N. Strocov, B. Delley, Z. Bukowski, J. Karpinski, N.C. Plumb, M. Radovic, J. Chang, T. Schmitt, L. Patthey, J. Mesot, and M. Shi	
Quasiparticle Dynamics and Phonon Softening in FeSe Superconductors	257006
C.W. Luo, I.H. Wu, P.C. Cheng, J.-Y. Lin, K.H. Wu, T.M. Uen, J.Y. Juang, T. Kobayashi, D.A. Chareev, O.S. Volkova, and A.N. Vasiliev	
Kondo Physics in a Rare Earth Ion with Well Localized 4 <i>f</i> Electrons	257201
Jolanta Stankiewicz, Marco Evangelisti, Zachary Fisk, Pedro Schlottmann, and Lev P. Gor'kov	
Control of Ferromagnetic Relaxation in Magnetic Thin Films through Thermally Induced Interfacial Spin Transfer	257202
Lei Lu, Yiyan Sun, Michael Jantz, and Mingzhong Wu	
Spin-Stretching Modes in Anisotropic Magnets: Spin-Wave Excitations in the Multiferroic Ba ₂ CoGe ₂ O ₇	257203
K. Penc, J. Romhányi, T. Rőöm, U. Nagel, Á. Antal, T. Fehér, A. Jánossy, H. Engelkamp, H. Murakawa, Y. Tokura, D. Szaller, S. Bordács, and I. Kézsmárki	
First Order Metamagnetic Transition in Ho ₂ Ti ₂ O ₇ Observed by Vibrating Coil Magnetometry at Milli-Kelvin Temperatures	257204
C. Krey, S. Legl, S.R. Dunsiger, M. Meven, J.S. Gardner, J.M. Roper, and C. Pfleiderer	

(Continued on Preceding Page)



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Contents (Continued)

Partial Disorder in an Ising-Spin Kondo Lattice Model on a Triangular Lattice	257205
Hiroaki Ishizuka and Yukitoshi Motome	
Laughlin Spin-Liquid States on Lattices Obtained from Conformal Field Theory	257206
Anne E. Nielsen, J. Ignacio Cirac, and Germán Sierra	
Storage-Recovery Phenomenon in Magnonic Crystal	257207
A. V. Chumak, V. I. Vasyuchka, A. A. Serga, M. P. Kostylev, V. S. Tiberkevich, and B. Hillebrands	
Electronic Structure Changes across the Metamagnetic Transition in FeRh via Hard X-Ray Photoemission	257208
A. X. Gray, D. W. Cooke, P. Krüger, C. Bordel, A. M. Kaiser, S. Moyerman, E. E. Fullerton, S. Ueda, Y. Yamashita, A. Gloskovskii, C. M. Schneider, W. Drube, K. Kobayashi, F. Hellman, and C. S. Fadley	
Magnetically Driven Metal-Insulator Transition in NaOsO ₃	257209
S. Calder, V. O. Garlea, D. F. McMorrow, M. D. Lumsden, M. B. Stone, J. C. Lang, J.-W. Kim, J. A. Schlueter, Y. G. Shi, K. Yamaura, Y. S. Sun, Y. Tsujimoto, and A. D. Christianson	
Ultrafast Time-Resolved Faraday Rotation in EuO Thin Films	257401
F. Liu, T. Makino, T. Yamasaki, K. Ueno, A. Tsukazaki, T. Fukumura, Y. Kong, and M. Kawasaki	
Finite-Temperature Properties of Ba(Zr,Ti)O ₃ Relaxors from First Principles	257601
A. R. Akbarzadeh, S. Prosandeev, Eric J. Walter, A. Al-Barakaty, and L. Bellaiche	
Soft Matter, Biological, and Interdisciplinary Physics	
Photoisomerization-Controlled Phase Segregation in a Submicron Confined Azonematic Liquid Crystal	257801
B. Zupančič, S. Diez-Berart, D. Finotello, O. D. Lavrentovich, and B. Zalar	
Proposal for Manipulating Functional Interface Properties of Composite Organic Semiconductors with Addition of Designed Macromolecules	257802
P. Maniadis, T. Lookman, A. Saxena, and D. L. Smith	
Phenomenological Theory of Isotropic-Genesis Nematic Elastomers	257803
Bing-Sui Lu, Fangfu Ye, Xiangjun Xing, and Paul M. Goldbart	
Granular Fingering in Fluid Injection into Dense Granular Media in a Hele-Shaw Cell	258001
Haiying Huang, Fengshou Zhang, Patrick Callahan, and Joseph Ayoub	
 Asymmetry and Stability of Shape Kinematics in Microswimmers' Motion	258101
Yizhar Or	
Nonlinearity, Fluctuations, and Response in Sensory Systems	258102
Antonio Celani and Massimo Vergassola	
Length Regulation of Active Biopolymers by Molecular Motors	258103
Denis Johann, Christoph Erlenkämper, and Karsten Kruse	
Microtubule Length Regulation by Molecular Motors	258104
Anna Melbinger, Louis Reese, and Erwin Frey	
Dynamics of Melting and Recrystallization in a Polymeric Micellar Crystal Subjected to Large Amplitude Oscillatory Shear Flow	258301
Carlos R. López-Barrón, Lionel Porcar, Aaron P. Eberle, and Norman J. Wagner	
Escaping the Curse of Dimensionality in Estimating Multivariate Transfer Entropy	258701
Jakob Runge, Jobst Heitzig, Vladimir Petoukhov, and Jürgen Kurths	
Comments	
Comment on “First Results of the Phase II SIMPLE Dark Matter Search”	259001
C. E. Dahl, J. Hall, and W. H. Lippincott	
Girard <i>et al.</i> (for the SIMPLE Collaboration) Reply	259002
T. A. Girard, M. Felizardo, A. C. Fernandes, J. G. Marques, and A. R. Ramos	
Comment on “Stability of the Bulk Phase of Layered ZnO”	259601
Bog G. Kim	
Rakshit and Mahadevan Reply	259602
Bipul Rakshit and Priya Mahadevan	
Comment on “Oxygen as a Site Specific Probe of the Structure of Water and Oxide Materials”	259603
A. K. Soper and C. J. Benmore	

(Continued on Preceding Page)



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Contents (Continued)

Zeidler <i>et al.</i> Reply	259604
A. Zeidler, P.S. Salmon, H.E. Fischer, J.C. Neufeind, J.M. Simonson, H. Lemmel, H. Rauch, and T.E. Markland	
Comment on “2D Atomic Mapping of Oxidation States in Transition Metal Oxides by Scanning Transmission Electron Microscopy and Electron Energy-Loss Spectroscopy”	259701
E. A. Ahmad, G. Mallia, D. Kramer, V. Tileli, A.R. Kucernak, and N.M. Harrison	
Tan <i>et al.</i> Reply	259702
Haiyan Tan, Stuart Turner, Emrah Yücelen, Jo Verbeeck, and Gustaaf Van Tendeloo	
Errata	
Erratum: Measurements of Nanoscale Domain Wall Flexing in a Ferromagnetic Thin Film [Phys. Rev. Lett. 107 , 077205 (2011)]	259901
A.L. Balk, M.E. Nowakowski, M.J. Wilson, D.W. Rench, P. Schiffer, D.D. Awschalom, and N. Samarth	



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