

PHYSICAL REVIEW BTM

CONDENSED MATTER AND MATERIALS PHYSICS

Articles Published in AUGUST 2014

1(II)

Published by
AMERICAN PHYSICAL SOCIETYTM

Volume 90

Third Series

Number 6

RAPID COMMUNICATIONS

Structure, structural phase transitions, mechanical properties, defects

Competing structures in two-dimensional trapped dipolar gases (5 pages) 060101(R)
Barbara Gränz, Sergey E. Korshunov, Vadim B. Geshkenbein, and Gianni Blatter

Stable atomic structure of NiTi austenite (4 pages) 060102(R)
Nikolai A. Zarkevich and Duane D. Johnson

Inhomogeneous, disordered, and partially ordered systems

☞ Thermal transport and Wiedemann-Franz law in the disordered Fermi liquid (5 pages) 060201(R)
G. Schwiete and A. M. Finkel'stein

Coulomb disorder in three-dimensional Dirac systems (5 pages) 060202(R)
Brian Skinner

Destruction of superconductivity in disordered materials: A dimensional crossover (5 pages) 060203(R)
O. Crauste, F. Couëdo, L. Bergé, C. A. Marrache-Kikuchi, and L. Dumoulin

☞ Anomalous organic magnetoresistance from competing carrier-spin-dependent interactions with localized electronic and nuclear spins (5 pages) 060204(R)
Y. Wang, N. J. Harmon, K. Sahin-Tiras, M. Wohlgemant, and M. E. Flatté

Large-disorder renormalization group study of the Anderson model of localization (5 pages) 060205(R)
Sonika Johri and R. N. Bhatt

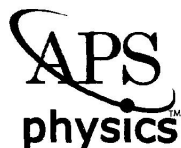
Dynamics, dynamical systems, lattice effects:

Conservation laws protect dynamic spin correlations from decay: Limited role of integrability in the central spin model (5 pages) 060301(R)
Götz S. Uhrig, Johannes Hackmann, Daniel Stanek, Joachim Stolze, and Frithjof B. Anders

Magnetism

Helical order in one-dimensional magnetic atom chains and possible emergence of Majorana bound states (6 pages) 060401(R)
Younghyun Kim, Meng Cheng, Bela Bauer, Roman M. Lutchyn, and S. Das Sarma

Multiple- Q instability by $(d - 2)$ -dimensional connections of Fermi surfaces (5 pages) 060402(R)
Satoru Hayami and Yukitoshi Motome



Analysis of the noise spectra from oxidized superparamagnetic nanoparticles (<i>5 pages</i>)	060403(R)
S. I. Woods, Snorri Ingvarsson, Shouheng Sun, and J. R. Kirtley	
Rabi oscillations of pinned solitons in spin chains: A route to quantum computation and communication (<i>4 pages</i>)	060404(R)
S. Bertaina, C.-E. Dutoit, J. Van Tol, M. Dressel, B. Barbara, and A. Stepanov	
Band structure of magnonic crystals with defects: Brillouin spectroscopy and micromagnetic simulations (<i>5 pages</i>)	060405(R)
Kai Di, Vanessa Li Zhang, Meng Hau Kuok, Hock Siah Lim, Ser Choon Ng, Kulothungasagaran Narayanapillai, and Hyunsoo Yang	
Matrix product state formulation of frequency-space dynamics at finite temperatures (<i>5 pages</i>)	060406(R)
Alexander C. Tiegel, Salvatore R. Manmana, Thomas Pruschke, and Andreas Honecker	
Elastically controlled manipulation of the magnetic order parameter and the metal-insulator transition in a manganite thin film (<i>5 pages</i>)	060407(R)
Surendra Singh, M. R. Fitzsimmons, T. Lookman, H. Jeen, and A. Biswas	
Entropy of the quantum soliton lattice and multiple magnetization steps in BiCu_2PO_6 (<i>4 pages</i>)	060408(R)
Yoshimitsu Kohama, Kenji Mochizuki, Taku Terashima, Atsuhiko Miyata, Albin DeMuer, Thierry Klein, Christophe Marcenat, Z. L. Dun, Haidong Zhou, Gang Li, Luis Balicas, Nozomu Abe, Yasuhiro H. Matsuda, Shojiro Takeyama, Akira Matsuo, and Koichi Kindo	
Quantum spin chain as a potential realization of the Confederate Flag model (<i>5 pages</i>)	060409(R)
C. Balz, B. Lake, H. Luetkens, C. Baines, T. Guidi, M. Abdel-Hafiez, A. U. B. Wolter, B. Büchner, I. V. Morozov, E. B. Deeva, O. S. Volkova, and A. N. Vasiliev	
Order by disorder or energetic selection of the ground state in the XY pyrochlore antiferromagnet $\text{Er}_2\text{Ti}_2\text{O}_7$: An inelastic neutron scattering study (<i>5 pages</i>)	060410(R)
Sylvain Petit, Julien Robert, Solène Guitteny, Pierre Bonville, Claudia Decorse, Jacques Ollivier, Hannu Mutka, Michel J. P. Gingras, and Isabelle Mirebeau	
Uniaxial-pressure control of geometrical spin frustration in an Ising antiferromagnet CoNb_2O_6 via anisotropic deformation of the isosceles lattice (<i>5 pages</i>)	060412(R)
S. Kobayashi, S. Hosaka, H. Tamatsukuri, T. Nakajima, S. Mitsuda, K. Prokeš, and K. Kiefer	
Electromagnon by chiral spin dynamics in the triangular lattice antiferromagnet (<i>5 pages</i>)	060413(R)
S. Kimura, T. Fujita, M. Hagiwara, H. Yamaguchi, T. Kashiwagi, N. Terada, Y. Sawada, and K. Watanabe	
Experimental realization of a quantum breathing pyrochlore antiferromagnet (<i>5 pages</i>)	060414(R)
K. Kimura, S. Nakatsuji, and T. Kimura	
Superfluidity and superconductivity	
Pressure suppression of electron correlation in the collapsed tetragonal phase of CaFe_2As_2 : A DFT-DMFT investigation (<i>5 pages</i>)	060501(R)
Subhasish Mandal, R. E. Cohen, and K. Haule	
Topological number and fermion Green's function for strongly interacting topological superconductors (<i>4 pages</i>)	060502(R)
Yi-Zhuang You, Zhong Wang, Jeremy Oon, and Cenke Xu	
Engineering three-body interaction and Pfaffian states in circuit QED systems (<i>5 pages</i>)	060503(R)
M. Hafezi, P. Adhikari, and J. M. Taylor	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 90, NUMBER 6

AUGUST 2014-1(II)

Multigap nodeless superconductivity in nickel chalcogenide TiNi_2Se_2 (5 pages) X. C. Hong, Z. Zhang, S. Y. Zhou, J. Pan, Y. Xu, Hangdong Wang, Qianhui Mao, Minghu Fang, J. K. Dong, and S. Y. Li	060504(R)
Negative Hall coefficient of ultrathin niobium in Si/Nb/Si trilayers (5 pages) I. Zaytseva, O. Abal'oshev, P. Dłużewski, W. Paszkowicz, L. Y. Zhu, C. L. Chien, M. Kończykowski, and Marta Z. Cieplak	060505(R)
Unified treatment of Fermi pockets and arcs scenarios for the cuprates: Sum-rule-consistent response functions of the pseudogap (5 pages) Peter Scherpelz, Adam Rançon, Yan He, and K. Levin	060506(R)
Majorana fermions from Shiba states in an antiferromagnetic chain on top of a superconductor (5 pages) Andreas Heimes, Panagiotis Kotetes, and Gerd Schön	060507(R)

ARTICLES

Structure, structural phase transitions, mechanical properties, defects

Membrane amplitude and triaxial stress in twisted bilayer graphene deciphered using first-principles directed elasticity theory and scanning tunneling microscopy (6 pages) M. Neek-Amal, P. Xu, D. Qi, P. M. Thibado, L. O. Nyakiti, V. D. Wheeler, R. L. Myers-Ward, C. R. Eddy, Jr., D. K. Gaskill, and F. M. Peeters	064101
Screw-dislocation constrictions in face-centered cubic crystals (6 pages) Enrique Martínez and John P. Hirth	064102
Simulating acoustic emission: The noise of collapsing domains (9 pages) E. K. H. Salje, X. Wang, X. Ding, and J. Sun	064103
Electron and hole traps in yttrium orthosilicate single crystals: The critical role of Si-unbound oxygen (12 pages) V. V. Laguta, M. Buryi, J. Rosa, D. Savchenko, J. Hybler, M. Nikl, S. Zazubovich, T. Kärner, C. R. Stanek, and K. J. McClellan	064104
Structural distortion below the Néel temperature in spinel GeCo_2O_4 (7 pages) Phillip T. Barton, Moureen C. Kemei, Michael W. Gaultois, Stephanie L. Moffitt, Lucy E. Darago, Ram Seshadri, Matthew R. Suchomel, and Brent C. Melot	064105
Understanding the interactions between oxygen vacancies at SrTiO_3 (001) surfaces (8 pages) Houlong L. Zhuang, P. Ganesh, Valentino R. Cooper, Haixuan Xu, and P. R. C. Kent	064106
Resonance Raman scattering of perovskite-type relaxor ferroelectrics under nonambient conditions (9 pages) G. de la Flor, M. Wehber, A. Rohrbeck, M. I. Aroyo, U. Bismayer, and B. Mihailova	064107
Course of dislocation lines in templated three-dimensional colloidal quasicrystals (10 pages) Matthias Sandbrink and Michael Schmiedeberg	064108
Theoretical study of the structure of boron carbide B_{13}C_2 (10 pages) Koun Shirai, Kyohei Sakuma, and Naoki Uemura	064109
Critical slowing down and elastic anomaly of uniaxial ferroelectric $\text{Ca}_{0.28}\text{Ba}_{0.72}\text{Nb}_2\text{O}_6$ crystals with tungsten bronze structure (4 pages) K. Suzuki, K. Matsumoto, J. Dec, T. Łukasiewicz, W. Kleemann, and S. Kojima	064110

(Continued)

Pathways towards ferroelectricity in hafnia (5 pages)	064111
Tran Doan Huan, Vinit Sharma, George A. Rossetti, Jr., and Rampi Ramprasad	
Atomistic origin of huge response functions at the morphotropic phase boundary of (1 - x)Na _{0.5} Bi _{0.5} TiO ₃ -xBaTiO ₃ (9 pages)	064112
K. Datta, A. Richter, M. Göbbels, R. B. Neder, and B. Mihailova	
First-principles study of vibrational and noncollinear magnetic properties of the perovskite to postperovskite pressure transition of NaMnF ₃ (10 pages)	064113
A. C. Garcia-Castro, A. H. Romero, and E. Bousquet	
Inhomogeneous, disordered, and partially ordered systems	
Entanglement spreading in a many-body localized system (6 pages)	064201
Arun Nanduri, Hyungwon Kim, and David A. Huse	
Hall effect for neutrons scattered by an A-phase MnSi crystal (6 pages)	064202
O. G. Udalov and A. A. Fraerman	
Spectral features of a many-body-localized system weakly coupled to a bath (6 pages)	064203
Rahul Nandkishore, Sarang Gopalakrishnan, and David A. Huse	
Dynamics, dynamical systems, lattice effects:	
From quantum-mechanical to classical dynamics in the central-spin model (12 pages)	064301
Daniel Stanek, Carsten Raas, and Götz S. Uhrig	
Analytical interpretation of nondiffusive phonon transport in thermoreflectance thermal conductivity measurements (10 pages)	064302
K. T. Regner, A. J. H. McGaughey, and J. A. Malen	
Nonharmonic phonons in α -iron at high temperatures (10 pages)	064303
L. Mauger, M. S. Lucas, J. A. Muñoz, S. J. Tracy, M. Kresch, Yuming Xiao, Paul Chow, and B. Fultz	
Magnetism	
Entanglement negativity via the replica trick: A quantum Monte Carlo approach (6 pages)	064401
Chia-Min Chung, Vincenzo Alba, Lars Bonnes, Pochung Chen, and Andreas M. Läuchli	
Analysis of resonant inelastic x-ray scattering from Sr ₂ IrO ₄ in an itinerant-electron approach (9 pages)	064402
Jun-ichi Igarashi and Tatsuya Nagao	
Unconventional multicritical point in the $S = \frac{1}{2}$ Re ₂ -cluster magnet La ₃ Re ₂ O ₁₀ (6 pages)	064403
Yuya Haraguchi, Chishiro Michioka, Hiroaki Ueda, and Kazuyoshi Yoshimura	
Multiple time scales from hard local constraints: Glassiness without disorder (9 pages)	064404
O. Cépas	
Influence of nonmagnetic Zn substitution on the lattice and magnetoelectric dynamical properties of the multiferroic material CuO (10 pages)	064405
S. P. P. Jones, N. C. Wurz, M. Failla, D. Prabhakaran, C. F. McConville, and J. Lloyd-Hughes	
Spin relaxation and spin Hall transport in 5d transition-metal ultrathin films (11 pages)	064406
Nguyen H. Long, Phivos Mavropoulos, Bernd Zimmermann, David S. G. Bauer, Stefan Blügel, and Yuriy Mokrousov	

(Continued)

$\text{Cs}_2\text{NaAl}_{1-x}\text{Cr}_x\text{F}_6$: A family of compounds presenting magnetocaloric effect (<i>6 pages</i>)	064407
S. S. Pedro, J. C. G. Tedesco, F. Yokaichiya, P. Brandão, A. M. Gomes, S. Landsgesell, M. J. M. Pires, L. P. Sosman, A. M. Mansanares, M. S. Reis, and H. N. Bordallo	
Voids-driven breakdown of the local-symmetry and Slater-Pauling rule in half-metallic Heusler compounds (<i>5 pages</i>)	064408
I. Galanakis, E. Şaşıoğlu, S. Blügel, and K. Özdoğan	
Ultrasonic investigations of the spin ices $\text{Dy}_2\text{Ti}_2\text{O}_7$ and $\text{Ho}_2\text{Ti}_2\text{O}_7$ in and out of equilibrium (<i>11 pages</i>)	064409
S. Erfanfam, S. Zherlitsyn, S. Yasin, Y. Skourski, J. Wosnitza, A. A. Zvyagin, P. McClarty, R. Moessner, G. Balakrishnan, and O. A. Petrenko	
Breathing modes of confined skyrmions in ultrathin magnetic dots (<i>8 pages</i>)	064410
Joo-Von Kim, Felipe Garcia-Sanchez, João Sampaio, Constance Moreau-Luchaire, Vincent Cros, and Albert Fert	
Nonuniversality of artificial frustrated spin systems (<i>6 pages</i>)	064411
I. A. Chioar, N. Rougemaille, A. Grimm, O. Fruchart, E. Wagner, M. Hehn, D. Lacour, F. Montaigne, and B. Canals	
Asymmetric switchinglike behavior in the magnetoresistance at low fields in bulk metamagnetic Heusler alloys (<i>6 pages</i>)	064412
Tapas Samanta, Ahmad Us Saleheen, Daniel L. Lepkowski, Alok Shankar, Igor Dubenko, Abdiel Quetz, Mahmud Khan, Naushad Ali, and Shane Stadler	
Spin-lattice coupling induced weak dynamical magnetism in EuTiO_3 at high temperatures (<i>5 pages</i>)	064413
Z. Guguchia, H. Keller, R. K. Kremer, J. Köhler, H. Luetkens, T. Goko, A. Amato, and A. Bussmann-Holder	
Low-temperature properties of single-crystal CrB_2 (<i>14 pages</i>)	064414
A. Bauer, A. Regnat, C. G. F. Blum, S. Gottlieb-Schönmeyer, B. Pedersen, M. Meven, S. Wurmehl, J. Kuneš, and C. Pfleiderer	
Helical antiferromagnetic ordering in $\text{Lu}_{1-x}\text{Sc}_x\text{MnSi}$ (<i>11 pages</i>)	064415
R. J. Goetsch, V. K. Anand, and D. C. Johnston	
Interlayer bonding in compounds with the ThCr_2Si_2 -type structure: Insight on the ferromagnetism of $\text{SrCo}_2(\text{Ge}_{1-x}\text{P}_x)_2$ from electronic structure calculations (<i>8 pages</i>)	064416
E. Cuervo-Reyes and R. Nesper	
High-field magnetic ground state in $S = \frac{1}{2}$ kagome lattice antiferromagnet $\text{ZnCu}_3(\text{OH})_6\text{Cl}_2$ (<i>5 pages</i>)	064417
Tomoya Asaba, Tian-Heng Han, B. J. Lawson, F. Yu, C. Tinsman, Z. Xiang, G. Li, Young S. Lee, and Lu Li	
Structural change and phase coexistence upon magnetic ordering in the magnetodielectric spinel Mn_3O_4 (<i>8 pages</i>)	064418
Moureen C. Kemei, Jaye K. Harada, Ram Seshadri, and Matthew R. Suchomel	
Semiclassical spin dynamics of the antiferromagnetic Heisenberg model on the kagome lattice (<i>17 pages</i>)	064419
Mathieu Taillefumier, Julien Robert, Christopher L. Henley, Roderich Moessner, and Benjamin Canals	
Spin state of Mn^{2+} and magnetism in vanadate-carbonate compound, $\text{K}_2\text{Mn}_3(\text{VO}_4)_2\text{CO}_3$ (<i>9 pages</i>)	064420
Kartik Samanta and T. Saha-Dasgupta	
Magnon thermal mean free path in yttrium iron garnet (<i>8 pages</i>)	064421
Stephen R. Boona and Joseph P. Heremans	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 90, NUMBER 6

AUGUST 2014-1(II)

Impurity-induced enhancement of perpendicular magnetic anisotropy in Fe/MgO tunnel junctions (<i>6 pages</i>) A. Hallal, B. Dieny, and M. Chshiev	064422
Structure and magnetism of Tm atoms and monolayers on W(110) (<i>9 pages</i>) Corneliu Nistor, Aitor Mugarza, Sebastian Stepanow, Pietro Gambardella, Kurt Kummer, José Luis Diez-Ferrer, David Coffey, César de la Fuente, Miguel Ciria, and José I. Arnaudás	064423
Quantum critical universality and singular corner entanglement entropy of bilayer Heisenberg-Ising model (<i>5 pages</i>) Trithep Devakul and Rajiv R. P. Singh	064424
Algorithms for finite projected entangled pair states (<i>16 pages</i>) Michael Lubasch, J. Ignacio Cirac, and Mari-Carmen Bañuls	064425
Crystal-field interaction and oxygen stoichiometry effects in strontium-doped rare-earth cobaltates (<i>8 pages</i>) A. Furrer, A. Podlesnyak, M. Frontzek, I. Sashin, J. P. Embs, E. Mitberg, and E. Pomjakushina	064426
Dynamic behavior of magnetic avalanches in the spin-ice compound Dy ₂ Ti ₂ O ₇ (<i>11 pages</i>) M. J. Jackson, E. Lhotel, S. R. Giblin, S. T. Bramwell, D. Prabhakaran, K. Matsuhira, Z. Hiroi, Q. Yu, and C. Paulsen	064427
Interlayer coupling in Ni ₈₀ Fe ₂₀ /Ru/Ni ₈₀ Fe ₂₀ multilayer films: Ferromagnetic resonance experiments and theory (<i>11 pages</i>) X. M. Liu, Hoa T. Nguyen, J. Ding, M. G. Cottam, and A. O. Adeyeye	064428
Dynamic converse magnetoelectric effect in ferromagnetic nanostructures with electric-field-dependent interfacial anisotropy (<i>10 pages</i>) G. Viaud and N. A. Pertsev	064429
Exceptional Ising magnetic behavior of itinerant spin-polarized carriers in URu ₂ Si ₂ (<i>5 pages</i>) Mirosław Werwiński, Jan Rusz, John A. Mydosh, and Peter M. Oppeneer	064430
Magnetic domain growth in geometrically frustrated Ising antiferromagnets Co _{1-x} Mg _x Nb ₂ O ₆ ($x = 0$ and 0.004) as seen via time-resolved neutron diffraction measurements (<i>8 pages</i>) Taro Nakajima, Setsuo Mitsuda, Yu Inomoto, Karel Prokes, Vadim Sikolenko, Sebastian Gerischer, and Satoru Kobayashi	064431
Superfluidity and superconductivity	
Suppression of the Berezinskii-Kosterlitz-Thouless and quantum phase transitions in two-dimensional superconductors by finite-size effects (<i>13 pages</i>) T. Schneider and S. Weyeneth	064501
Breather decay into a vortex/antivortex pair in a Josephson ladder (<i>6 pages</i>) K. Segall, P. Williams, O. Svitelskiy, D. Edwards, N. Zhelev, G. Brummer, and J. J. Mazo	064502
Upper limit of supersolidity in solid helium (<i>6 pages</i>) Duk Y. Kim and Moses H. W. Chan	064503
Evolution of the phase diagram of LaFeP _{1-x} As _x O _{1-y} F _y ($y = 0-0.1$) (<i>6 pages</i>) K. T. Lai, A. Takemori, S. Miyasaka, F. Engetsu, H. Mukuda, and S. Tajima	064504
Microwave nanobolometer based on proximity Josephson junctions (<i>8 pages</i>) J. Govenius, R. E. Lake, K. Y. Tan, V. Pietilä, J. K. Julin, I. J. Maasilta, P. Virtanen, and M. Möttönen	064505

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW B

THIRD SERIES, VOLUME 90, NUMBER 6

AUGUST 2014-1(II)

Superconductivity in uranium compounds (<i>9 pages</i>) V. P. Mineev	064506
Zeeman-field-induced topological phase transitions in triplet superconductors (<i>12 pages</i>) Timo Hyart, Anthony R. Wright, and Bernd Rosenow	064507
Superconducting properties of $\text{Sn}_{1-x}\text{In}_x\text{Te}$ ($x = 0.38\text{--}0.45$) studied using muon-spin spectroscopy (<i>7 pages</i>) M. Saghir, J. A. T. Barker, G. Balakrishnan, A. D. Hillier, and M. R. Lees	064508
Microscopic prediction of skyrmion lattice state in clean interface superconductors (<i>10 pages</i>) Daniel F. Agterberg, Egor Babaev, and Julien Garaud	064509
Thermodynamic nature of the $0\text{--}\pi$ quantum transition in superconductor/ferromagnet/superconductor trilayers (<i>7 pages</i>) N. Pompeo, K. Torokhtii, C. Cirillo, A. V. Samokhvalov, E. A. Ilyina, C. Attanasio, A. I. Buzdin, and E. Silva	064510
Enhanced superfluid response of parahydrogen in nanoscale confinement (<i>5 pages</i>) Tokunbo Omiyinka and Massimo Boninsegni	064511
Robust s_{\pm} superconductivity in a two-band Hubbard-Fröhlich model of alkali-doped organics (<i>10 pages</i>) Tao Qin, Michele Fabrizio, S. Shahab Naghavi, and Erio Tosatti	064512
Anomalous surface states at interfaces in p -wave superconductors (<i>10 pages</i>) S. V. Bakurskiy, A. A. Golubov, M. Yu. Kupriyanov, K. Yada, and Y. Tanaka	064513
Higgs mode in electric-field-induced superconductors (<i>7 pages</i>) Tomio Koyama	064514
Tuning the magnetic and structural phase transitions of PrFeAsO via Fe/Ru spin dilution (<i>8 pages</i>) Yuen Yiu, Pietro Bonfà, Samuele Sanna, Roberto De Renzi, Pietro Carretta, Michael A. McGuire, Ashfia Huq, and Stephen E. Nagler	064515
Generalized Eilenberger theory for Majorana zero-mode-carrying disordered p -wave superconductors (<i>9 pages</i>) Hoi-Yin Hui, Jay D. Sau, and S. Das Sarma	064516
Crystallography and physical properties of BaCo_2As_2 , $\text{Ba}_{0.94}\text{K}_{0.06}\text{Co}_2\text{As}_2$, and $\text{Ba}_{0.78}\text{K}_{0.22}\text{Co}_2\text{As}_2$ (<i>21 pages</i>) V. K. Anand, D. G. Quirinale, Y. Lee, B. N. Harmon, Y. Furukawa, V. V. Ogloblichev, A. Huq, D. L. Abernathy, P. W. Stephens, R. J. McQueeney, A. Kreyssig, A. I. Goldman, and D. C. Johnston	064517
Possible charge-density wave, superconductivity, and f -electron valence instability in EuBiS_2F (<i>9 pages</i>) Hui-Fei Zhai, Zhang-Tu Tang, Hao Jiang, Kai Xu, Ke Zhang, Pan Zhang, Jin-Ke Bao, Yun-Lei Sun, Wen-He Jiao, I. Nowik, I. Felner, Yu-Ke Li, Xiao-Feng Xu, Qian Tao, Chun-Mu Feng, Zhu-An Xu, and Guang-Han Cao	064518