

Quantum Features of Angular Dependent Magnetoresistance Oscillations in Quasi-Two-Dimensional Conductors near High Magnetic Field Quantum Limit

\*K. Kobayashi, T. Osada, Synth. Met., Vol.155 (2005) , 670 - 673

Cu-NMR Study on Field-Induced Phase Transitions in Quantum Spin Magnet  $\text{NH}_4\text{CuCl}_3$

\*S. Tani, H. Inoue, T. Suzuki, S. Hosoya, K. Inokuchi, T. Fujiwara, T. Goto, H. Tanaka, T. Sasaki, S. Awaji, K. Watanabe, N. Kobayashi, Prog. Theor. Phys. Suppl., Vol.159 (2005) , 235 - 240

Theory of Gap-node Detection by Angle-resolved Specific Heat Measurement

\*P. Miranovic, M. Ichioka, K. Machida, N. Nakai, J. Phys. Condens. Matter, Vol.17 (2005) , 7971 - 7980

Lattice Dynamics in the Kondo Insulator  $\text{YbB}_{12}$

\*K. S. Nemkovski, P. A. Alekseev, J. -M. Mignot, A. V. Rybina, F. Iga, T. Takabatake, N. Y. Shitsevalova, Y. B. Paderno, V. N. Lazukov, E. V. Nefeodova, N. N. Tiden, I. P. Sadikov, J. Solid State Chem., Vol.179 (2005) , 2895 - 2899

X-ray Diffraction Experiments under Pulsed Magnetic under Pulsed Magnetic Fields above 30 T

\*T. Inami, K. Ohwada, Y. H. Matsuda, Y. Ueda, H. Nojiri, Y. Murakami, T. Arima, H. Ohta, W. Zhang, K. Yoshimura, Nucl. Instrum. Methods Phys. Res., Sect. B, Vol.238 (2005) , 233 - 236

Spin Dynamics and Level Crossing in Nanoscale Molecular Magnet V15 Cluster Studied by  $^1\text{H}$ -NMR

\*Y. Furukawa, Y. Fujiyoshi, K. Kumagai, P. Kogerler, Polyhedron, Vol.24 (2005) , 2737 - 2744

Impurity Cyclotron Resonance in InGaAs/AlAs Superlattice under Ultra High Magnetic Fields

\*H. Momose, H. Deguchi, H. Okai, N. Mori, S. Takeyama, Physica E, Vol.29 (2005) , 606 - 608

Anisotropic Magnetic Properties of  $\text{Zn}_{1-x}\text{Co}_x\text{O}$  Thin Films Grown by Pulsed Laser Deposition

\*J. W. Lee, S. Kuroda, S. Yamada, K. Takita, Phys. Status Solidi C, Vol.3 (2005) , 1126 - 1129

Magnetic Field and Pressure Effects in  $\text{Ce}_3\text{Al}_{11}$

\*T. Ebihara, T. Takahashi, K. Tezuka, M. Hedo, Y. Uwatoko, S. Uji, Physica B, Vol.359-361 (2005) , 272 - 274

Vortex Phase Diagram in Impurity Doped  $\text{YBa}_2\text{Cu}_3\text{O}_y$  Single Crystals

\*T. Nishizaki, M. Maeda, T. Sato, N. Kobayashi, Physica C , Vol.426-431 (2005) , 18 - 22

Comparative Study of Anisotropic Superconductivity in CaAlSi and CaGaSi

\*T. Tamegai, K. Uozato, S. Kasahara, T. Nakagawa, M. Tokunaga, Physica C, Vol.426-431 (2005) , 208 - 212

Hole-doping and Magnetic-field Effects on the Pseudogap in  $\text{Bi}_{1.74}\text{Pb}_{0.38}\text{Sr}_{1.88}\text{CuO}_{6+\delta}$  Studied by the Out-of-plane Resistivity

\*K. Kudo, Y. Miyoshi, T. Sasaki, N. Kobayashi, Physica C, Vol.426-431 (2005) , 251 - 256

Vortex Core States in High- $T_c$  Superconductors with Induced Incommensurate Spin and Charge Density Waves

\*M. Ichioka, M. Takigawa, K. Machida, Physica C, Vol.426-431 (2005) , 28 - 35

Peculiar Superconductivity in  $\text{PrOs}_4\text{Sb}_{12}$  Probed by Local Magnetization

\*S. Kasahara, T. Tamegai, H. Sugawara, H. Sato, Physica C, Vol.426-431 (2005) , 381 - 385

Phase Transition of the Josephson Vortices in  $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$  Single Crystals with Various Oxygen Deficiencies

\*T. Naito, S. Haraguchi, H. Iwasaki, T. Nishizaki, N. Kobayashi, Physica C, Vol.426-431 (2005) , 46 - 50

Anisotropy Dependence of Vortex States Under Tilted Fields Studied by Bitter Decorations

H. Aoki, M. Tokunaga, \*T. Tamegai, Physica C, Vol.426-431 (2005) , 65 - 68

Observation of Single Vortices by Magneto-optical Imaging

\*M. Terao, Y. Tokunaga, M. Tokunaga, T. Tamegai, Physica C, Vol.426-431 (2005) , 94 - 98

Growth and Magnetic Properties of Novel Ferromagnetic Semiconductor (Zn,Cr) Te

\*S. Kuroda, N. Ozaki, N. Nishizawa, T. Kumekawa, S. Marcet, K. Takita, Sci. Technol. Adv. Mater., Vol.6 (2005) , 558 - 564

Fulde-Ferrell-Larkin-Ovchinnikov States in a Superfluid Fermi Gas

\*T. Mizushima, M. Ichioka, K. Machida, J. Phys. Chem. Solids., Vol.66 (2005) , 1359 - 1361

Theoretical Study on the Field Dependence of the Zero Energy Density of States in an C Gap Superconductors

\*N. Nakai, P. Miranovic, M. Ichioka K. Machida, J. Phys. Chem Sol., Vol.66 (2005) , 1362 - 1364

Magnetic Behavior of a Spin-1 Dimer : Model System for Homodinuclear Nickel(II) Complexes

\*J. Strecka, A. Jascur, M. Hagiwara, Y. Narumi, J. Kuchar, S. Kimura, K. Kindo, J. Phys. Chem. Solids., Vol.66 (2005) , 1828 - 1837

Mixed-State Thermodynamics of a Superconductors with Moderately Large Paramagnetic Effects

\*H. Adachi, M. Ichioka, K. Machida, J. Phys. Soc. Jpn, Vol.74 (2005) , 2181 - 2184

Effects of Randomness on Field-Induced Phase Transition in the Bond-alternating S=1 Spin Chain NTENP

\*S. Matsubara, K. Kodama, M. Takigawa and M. Hagiwara, J. Phys. Soc. Jpn, Vol.74 (2005) , 2417 - 2420

Anisotropic Magnetic Properties of a Pressure-induced Superconductor Ce<sub>2</sub>Ni<sub>3</sub>Ge<sub>5</sub>

\*A. Thamizhavel , H. Nakashima, Y. Obiraki, M. Nakashima, T. D. Matsuda, Y. Haga, K. Sugiyama, T. Takeuchi, R. Settai, M. Hagiwara, K. Kindo, Y. Onuki , J. Phys. Soc. Jpn, Vol.74 (2005) , 2843 - 2848

Kondo Lattice Effects of YbAl<sub>3</sub> Suggested by Temperature Dependence of High-Accuracy High-Energy Photoelectron Spectroscopy

\*S. Suga, A. Sekiyama, S. Imada, A. Shigemoto, A. Yamasaki, M. Tsunekawa, C. Dallera<sup>1</sup>, L. Braicovich, T. L. Lee, O. Sakai, T. Ebihara, Y. Onuki, J. Phys. Soc. Jpn, Vol.74 (2005) , 2880 - 2884

Anomalous Magnetization of Two-dimensional S=1/2 Frustrated Square-lattice Antiferromagnet (CuCl)LaNb<sub>2</sub>O<sub>7</sub>

\*H. Kageyama, J. Yasuda, T. Kitano, K. Totsuka, Y. Narumi, M. Hagiwara, K. Kindo, Y. Baba, N. Oba, Y. Ajiro, K. Yoshimura, J. Phys. Soc. Jpn, Vol.74 (2005) , 3155 - 3158

Multibranch Bogoliubov-Bloch Spectrum of a Cigar-shaped Bose Condensate in an Optical Lattice

\*T. K. Ghosh, K. Machida, Phys. Rev. A, Vol.72 (2005) 053623, 1 - 5

Charge-Ordered State in Half-doped Bi-based Manganites Studied by <sup>17</sup>O and <sup>209</sup>Bi NMR

\*A. Trokiner, S. Verkhovskii, A. Yakubovskii, K. Kumagai, S-W. Cheong, D. Khomskii, Y. Furukawa, J. S. Ahn, A. Pogudin, V. Ogloblichev, A. Gerashenko, K. Mikhalev, Y. Piskunov, Phys. Rev. B, Vol.72 (2005) 054442, 1 - 9

Vortex Structure in Spinor F=2 Bose-Einstein Condensates

\*W. V. Pogosov, R. Kawate, T. Mizushima, K. Machida, Phys. Rev. A, Vol.72 (2005) 063605, 1 - 6

Vortex Correlations in the Liquid States of Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+y</sub> with Tilted Columnar Defects

\*N. Kameda, T. Shibauchi, M. Tokunaga, S. Ooi, T. Tamegai, M. Konczykowski, Phys. Rev. B, Vol.72 (2005) 064501, 1 - 6

Carbon-substitution Dependent Multiple Superconducting Gap of MgB<sub>2</sub>: A Sub-meV Resolution Photoemission Study

\*S. Tsuda, T. Yokoya, T. Kiss, T. Shimojima, S. Shin, T. Togashi, S. Watanabe, C. Zhang, C. T. Chen, S. Lee, H. Uchiyama, S. Tajima, N. Nakai, K. Machida, Phys. Rev. B, Vol.72 (2005) 064527, 1 - 5

Pulse Micromagnet for Practical High-Field Measurements

\*E. Ohmichi, T. Osada, Rev. Sci. Instrum., Vol.76 (2005) 076103, 1 - 4

Field-induced Magnetic Ordering in the Haldane System PbNi<sub>2</sub>V<sub>2</sub>O<sub>8</sub>

\*N. Tsujii, O. Suzuki, H. Suzuki, H. Kitazawa, G. Kido, Phys. Rev. B, Vol.72 (2005) 104402, 1 - 5

X-ray Absorption Near-edge Structure and Valence State of Mn in (Ga, Mn)N

\*A. Titov, X. Biquard, D. Halley, S. Kuroda, E. Bellet-Amalric, H. Mariette, J. Cibert, A. E. Merad, G. Merad, M. B. Kanoun, E. Kulatov, Yu. A. Uspenskii, Phys. Rev. B, Vol.72 (2005) 115209, 1 - 7

Coexistence of a Nearly Spin-singlet State and Antiferromagnetic Long-range Order in Quantum Spin System  $\text{Cu}_2\text{CdB}_2\text{O}_6$

\*M. Hase, M. Kohno, H. Kitazawa, O. Suzuki, K. Ozawa, G. Kido, M. Imai, X. Hu, Phys. Rev. B, Vol.72 (2005) 172412, 1 - 4

Magnetic-Field-Induced Superconductivity and Phase Diagrams of  $\lambda$ -(BETS) $_2$ FeCl $_{4-x}$ Br $_x$

\*S. Uji, S. Yasuzuka, M. Tokumoto, H. Tanaka, A. Kobayashi, B. Zhang, H. Kobayashi, E. S. Choi, D. Graf, J. S. Brooks, Phys. Rev. B, Vol.72 (2005) 184505, 1 - 5

Suppression of Ferromagnetism due to Hole Doping in  $\text{Zn}_{1-x}\text{Cr}_x\text{Te}$  Grown by Molecular - Beam Epitaxy

\*N. Ozaki, I. Okabayashi, T. Kumekawa, N. Nishizawa, S. Marcet, S. Kuroda, K. Takita, Appl. Phys. Lett., Vol.87 (2005) 192116, 1 - 3

Competition between Hidden Order and Antiferromagnetism in  $\text{URu}_2\text{Si}_2$  under Uniaxial Stress Studied by Neutron Scattering

\*M. Yokoyama, H. Amitsuka, K. Tenya, K. Watanabe, S. Kawarazaki, H. Yoshizawa, J. A. Mydosh, Phys. Rev. B, Vol.72 (2005) 214419, 1 - 9

Anisotropic Pancake Vortex Transport in the Crossing Lattices Regime of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$  Single Crystals

\*M. Connolly, S. J. Bending, A. N. Grigorenko, T. Tamegai, Phys. Rev. B, Vol.72 (2005) 224504, 1 - 5

Equilibrium First-Order Melting and Second-Order Glass Transitions of the Vortex Matter in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$

\*H. Beidenkopf, N. Avraham, Y. Myasoedov, H. Shtrikman, E. Zeldov, B. Rosenstein, E. H. Brandt, T. Tamegai, Phys. Rev. Lett., Vol.95 (2005) 257004, 1 - 4

Studies of an Fe-9 Tridiminished Icosahedron

\*E. I. Tolis, L. P. Engelhardt, P. V. Mason, G. Rajaraman, K. Kindo, M. Luban, A. Matsuo, H. Nojiri, J. Raftery, C. Schroder, G. A. Timco, F. Tuna, W. Wernsdorfer, R. E. P. Winpenny, Chemistry-A European Journal, Vol.12 (2006) , 8961 - 8968

Ferromagnetic Ordering in a New Nickel Polyborate  $\text{NiB}_{12}\text{O}_{14}(\text{OH})_{10}$

\*J. Ju, J. Sasaki, T. Yang, S. Kasamatsu, E. Negishi, G. Li, J. Lin, H. Nojiri, T. Rachi, K. Tanigaki, N. Toyota, Dalton Trans., Vol.13 (2006) , 1597 - 1601

Is the Two Dimensional Organic Conductor,  $\tau$ -(EDO-S,S-DMEDT-TTF) $_2(\text{AuCl}_2)_{1+y}$  Clean or Dirty?

T. Nakanishi, S. Yasuzuka, M. Teramura, L. Li, T. Fujimoto, T. Sasaki, T. Konoike, T. Terashima, S. Uji, Y. Nogami, GC. Anyfantis, GC. Papavassiliou, K. Murata, J. Low Temp. Phys., Vol.142 (2006) , 247 - 252

Detailed Fermi Surface Topology of the Quasi-One-Dimensional Conductor  $(\text{DMET})_2\text{I}_3$

M. Kimata, Y. Oshima, K. Koyama, H. Ohta, M. Motokawa, H. Nishikawa, K. Kikuchi, I. Ikemoto, J. Low Temp. Phys., Vol.142 (2006) , 523 - 525

Anomalous Magnetic-field-hysteresis of Quantum Oscillations in  $\kappa$ -(BETS)<sub>2</sub>FeBr<sub>4</sub>

T. Konoike, \*S. Uji, T. Terashima, M. Nishimura, T. Yamaguchi, K. Enomoto, H. Fujiwara, B. Zhang, H. Kobayashi, J. Low Temp. Phys., Vol.142 (2006) , 527 - 530

Field-induced SDW Phase and Superconductivity of (DMET)<sub>2</sub>CuCl<sub>2</sub>

\*H. Ito, Y. Yokochi, D. Suzuki, H. Tanaka, S. Kuroda, K. Enomoto, S. Uji, M. Umemiya, H. Miyasaka, K. Sugiura, M. Yamashita, Synth. Met., Vol.156 (2006) , 162 - 165

Possibility of Field-induced Incommensurate Order in a Quasi-one-dimensional Frustrated Spin System

\*N. Maeshima, K. Okunishi, K. Okamoto, T. Sakai, K. Yonemitsu, J. Phys.: Condens. Matter., Vol.18 (2006) , 4819 - 4826

Magnetization Process of Geometrically Frustrated Spinel Oxide up to an Ultra-high Magnetic Field

\*E. Kojima, H. Ueda, Y. Ueda, A. Miyata, S. Miyabe, S. Takeyama, Int. J. Mod. Phys. B , Vol.21 (2006) , 1238 - 1246

Interlayer Surface Transport in Multilayer Quantum Hall Systems under Tilted Magnetic Fields

\*S. Okui, E. Ohmichi, T. Osada, Int. J. Mod. Phys. B , Vol.21 (2006) , 1524 - 1528

High Magnetic Field Study of Exciton Complexes In Diluted Magnetic Cd<sub>z</sub>nt<sub>e</sub>/(Cd, Zn, Mn)Te Quantum Wells

\*E. Kojima, Y. Natori, S. Takeyama, Int. J. Mod. Phys. B , Vol.21 (2006) , 1605 - 1609

Electric- and Magnetic-field Effects on Radiative Recombination in Modulation n-doped ZnSe/BeTe Type-II Quantum Wells

Z. Ji, H. Mino, \*K. Oto, R. Akimoto, K. Ono, S. Takeyama, Semicond. Sci. Technol., Vol.21 (2006) , 87 - 90

Cyclotron Resonance in II–VI Semiconductors at THz Region

\*Y. Imanaka, T. Takamasu, K. Takehana, M. Oshikiri, G. Kido, H. Nojiri, Y. H. Matsuda, H. Arimoto, S. Takeyama, N. Miura, G. Karczewski, T. Wojtowicz, J. Kossut, Phys. Status Solidi B, Vol.243 (2006) , 939 - 942

NMR Properties of Half-Heusler CoVSb

\*H. Nishihara, T. Kanomata, Y. Furutani, T. Igarashi, K. Koyama, T. Goto, Phys. Status Solidi C, Vol.3 (2006) , 2779 - 2782

High Field ESR Study of Frustrated Spinel System LiCrTiO<sub>4</sub>

\*H. Ohta, S. Okubo, S. Ono, H. Kikuchi, Phys. Status Solidi C, Vol.3 (2006) , 2816 - 2819

High Frequency ESR Measurements on the Lithium-ion Battery Substance LiMn<sub>2</sub>O<sub>4</sub>

\*S. Takano, T. Kaji, S. Okubo, M. Yoshida, Y. Inagaki, S. Kimura, T. Asano, H. Ohta, T. Kunimoto, R. Dziembaj, M. Molenda, C. Rudowicz, Phys. Status Solidi C, Vol.3 (2006) , 2820 - 2823

High Frequency ESR Measurements of High Pressure Phase  $\text{SiCo}_2\text{O}_4$

W. Zhang, \*S. Okubo, H. Ohta, T. Saito, M. Takano, Phys. Status Solidi C, Vol.3 (2006) , 2824 - 2827

High Frequency ESR Measurements of One-dimensional Edge-sharing  $\text{CuO}_2$  Chain System  $\text{Ca}_2\text{Y}_2\text{Cu}_5\text{O}_{10}$

\*S. Okubo, K. Kawakami, M. Yoshida, H. Ohta, Phys. Status Solidi C, Vol.3 (2006) , 2828 - 2831

Microscopic Evidence of the FFLO State in  $\text{CeCoIn}_5$  Probed by NMR Study

\*K. Kumagai, K. Kakuyanagi, M. Saitoh, Y. Matsuda S. Takashima, M. Nohara, H. Takagi, Phys. Status Solidi C, Vol.3 (2006) , 2941 - 2946

Magneto-optical Study of Ferromagnetic Semiconductor  $(\text{Zn,Cr})\text{Te}$

\*N. Nishizawa, S. Marcet, N. Ozaki, S. Kuroda, K. Takita, Phys. Status Solidi C, Vol.3 (2006) , 4102 - 4105

Internal Magnetic Field Effect on Magnetoelectricity in Orthorhombic  $\text{RMnO}_3$  Crystals

\*K. Noda, M. Akaki, F. Nakamura, D. Akahoshi, H. Kuwahara, J. Magn. Magn. Mater., Vol.310 (2006) , 1162 - 1164

Quantum Phase Transition in Field-Induced Ordering Phases of Anisotropic Haldane Systems

H. Miyazaki, T. Hiwasa, M. Oko, \*I. Harada, J. Magn. Magn. Mater., Vol.310 (2006) , 1227 - 1228

Physical Properties at High Magnetic Fields in  $\text{CeIn}_{2.75}\text{Sn}_{0.25}$

\*T. Ebihara, N. Harrison, M. Jaime, A. Silhanek, K. Tezuka, K. Morishita, Y. Iwamoto, T. Terashima, J. Magn. Magn. Mater., Vol.310 (2006) , 298 - 299

Reduction of Neel Temperature of  $\text{CeIn}_3$  by La Doping

Y. Iwamoto, \*T. Ebihara, N. Harrison, M. Jaime, A. Silhanek, K. Tezuka, K. Morishita, T. Terashima, A. Iyo, J. Magn. Magn. Mater., Vol.310 (2006) , 300 - 302

Metamagnetic Transitions, Electronic Structures and Quantum Critical Point of  $\text{CeRu}_2(\text{Si}_{1-x}\text{Ge}_x)_2$

\*M. Sugi, T. Fujiwara, Y. Matsumoto, T. Isshiki, N. Kimura, T. Komatsubara, H. Aoki, I Satoh, T. Terashima, S. Uji , J. Magn. Magn. Mater., Vol.310 (2006) , 331 - 333

Photo-Induced Phase Transition in Charge Ordered Perovskite Manganites

K. Satoh, \*S. Ishihara, J. Magn. Magn. Mater., Vol.310 (2006) , 798 - 800

Dilution Effects in Classical and Quantum Orbital Systems

\*T. Tanaka, M. Matsumoto, S. Ishihara, J. Magn. Magn. Mater., Vol.310 (2006) , 804 - 806

Dimensionality of the Electronic States in  $\text{Nd}_{0.45}\text{Sr}_{0.55}\text{MnO}_3$  Studied by Soft X-ray Photoemission

\*H. Fujiwara, A. Sekiyama, M. Yano, T. Murakawa, T. Miyamachi, M. Tsunekawa, S. Imada, B. Schmid, M. Sing, A. Higashiya, T. Muro, T. Nakamura, K. Noda, H. Kuwahara, S. Miyasaka, Y. Tokura, S. Suga, J. Magn. Magn. Mater., Vol.310 (2006) , 816 - 818

High-field Magnetization Study of the Heavy Fermion Oxide  $\text{LiV}_2\text{O}_4$

\*S. Niitaka, K. Nishikawa, S. Kimura, Y. Narumi, K. Kindo, M. Hagiwara, H. Takagi, J. Magn. Magn. Mater., Vol.310 (2006) , e258 - e260

Quantum Phase Transition in the Three-leg Spin Nanotube

\*T. Sakaia, K. Okunishi, K. Okamoto, M. Sato, M. Matsumoto, Y. Otsuka, J. Magn. Magn. Mater., Vol.310 (2006) , e423 - e425

Impurity Cyclotron Resonance in InGaAs/GaAs Superlattice and InGaAs/AlAs Superlattice Grown in GaAs Substrates

\*H. Momose, H. Okai, H. Deguchi, N. Mori, S. Takeyama, Physica E, Vol.32 (2006) , 309 - 312

High-field Magnetization of  $\text{NpRhGa}_5$

\*K. Sugiyama, D. Honda, H. Nakashima, D. Aoki, E. Yamamoto, A. Nakamura, K. Honma, Y. Shiokawa, K. Kindo, M. Hagiwara, Y. Onuki, Physica B, Vol.378-380 (2006) , 1013 - 1014

Specific Heat Study of Induced-Moment Ferromagnet  $\text{PrPtAl}$  Single Crystal

\*S. Kato, H. Kitazawa, M. Imai, G. Kido, Physica B, Vol.378-380 (2006) , 1105 - 1106

Quantum Critical Behavior Induced by Mn Impurity in  $\text{CuGeO}_3$

\*A.V. Semeno, N. E. Sluchanko, N. A. Samarin, A. A. Pronin, H. Ohta, S. Okubo, S. V. Demishev, Physica B, Vol.378-380 (2006) , 115 - 116

Evidence for Nodes in the Superconducting Energy Gap of the Skutterudite Compound  $\text{PrOs}_4\text{Sb}_{12}$

M. Nishiyama, T. Kato, H. Sugawara, D. Kikuchi, H. Sato, H. Harima, \*G.-q. Zheng, Physica B, Vol.378-380 (2006) , 192 - 193

NMR Study of Unique Properties in  $\text{SmRu}_4\text{P}_{12}$

\*T. Mito, S. Masaki, N. Oki, S. Noguchi, S. Wada, N. Takeda, D. Kikuchi, H. Sato, H. Sugawara, G.-q. Zheng, Physica B, Vol.378-380 (2006) , 224 - 225

Itinerant Electron Metamagnetism in  $\text{AFe}_4\text{Sb}_{12}$  (A=Ca, Sr, Ba)

\*S. Yoshii, E. Matsuoka, K. Hayashi, T. Takabatake, M. Hagiwara, K. Kindo, Physica B, Vol.378-380 (2006) , 241 - 243

Emergent Phases near the Metamagnetic Quantum Critical Point in  $\text{U}(\text{Ru}_{1-x}\text{Rh}_x)_2\text{Si}_2$

\*K. H. Kim, N. Harrison, H. Amitsuka, M. Jaime, J. A. Mydosh, Physica B, Vol.378-380 (2006) , 31 - 35

Microscopic Evidence of the FFLO State in CeCoIn<sub>5</sub> Probed by NMR

\*K. Kumagai, K. Kakuyanagi, M. Saitoh, S. Takashima, M. Nohara, H. Takagi, Y. Matsuda, Physica B, Vol.378-380 (2006) , 347 - 350

$\Gamma_5$  Quasiparticles and Avoided Quantum Criticality in U(Ru,Rh)<sub>2</sub>Si<sub>2</sub>

A.V. Silhanek, \*N. Harrison, C. D. Batista, M. Jaime, A. Lacerda, H. Amitsuka, J. A. Mydosh, Physica B, Vol.378-380 (2006) , 373 - 375

Magnetization Study of the Superconductivity in Sr<sub>2</sub>RuO<sub>4</sub>

\*K. Tenya, S. Yasuda, M. Yokoyama, H. Amitsuka, K. Deguchi, Y. Maeno, Physica B, Vol.378-380 (2006) , 495 - 496

Thermal Diffusivity and Critical Behavior of Nd<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>

\*A. Oleaga, A. Salazar, H. Kuwahara, Physica B, Vol.378-380 (2006) , 512 - 514

Diversity of Electronic States of Nd<sub>0.5</sub>Sr<sub>0.5</sub>MnO<sub>3</sub> Revealed by Soft X-ray Photoemission

\*H. Fujiwara, A. Sekiyama, A. Higashiya, K. Konoike, A. Yamasaki, S. Imada, T. Muro, K. Noda, H. Kuwahara, Y. Tokura, S. Suga, Physica B, Vol.378-380 (2006) , 515 - 517

Magnetic Form Factor of URu<sub>2</sub>Si<sub>2</sub>

\*K. Kuwahara, M. Kohgi, K. Iwasa, M. Nishi, K. Nakajima, M. Yokoyama, H. Amitsuka, Physica B, Vol.378-380 (2006) , 581 - 582

Magnetic Frustrations in the Shastry–Sutherland System ErB<sub>4</sub>

S. Michimura, A. Shigekawa, F. Iga, M. Sera, T. Takabatake, K. Ohoyama, Y. Okabe, Physica B, Vol.378-380 (2006) , 596 - 597

Mid-infrared Absorption in Strongly Correlated Yb Compounds

\*H. Okamura, T. Watanabe, N. Tsujii, T. Ebihara, T. Nanba, Physica B, Vol.378-380 (2006) , 756 - 757

Uniaxial-Stress Effect on the Antiferromagnetic State in in CePd<sub>2</sub>Si<sub>2</sub>

\*M. Yokoyama, A. Gawase, H. Amitsuka, K. Tenya, H. Yoshizawa, Physica B, Vol.378-380 (2006) , 80 - 81

Magnetic Properties of Ce<sub>1-x</sub>Y<sub>x</sub>PdAl Kondo-lattice System

\*H. Kitazawa, J. Prchal, N. Tsujii, M. Imai, G. Kido, Physica B, Vol.378-380 (2006) , 803 - 804

Metastable Magnetic Behavior in Geometrically Frustrated Compound CePdAl

\*D. X. Li, S. Nimori, H. Kitazawa, Y. Shiokawa, Physica B, Vol.378-380 (2006) , 805 - 806



Lattice Involvement in Low Temperature Phase of  $U(Ru,Rh)_2Si_2$

\*M. Jaime, A. V. Silhanek, K. H. Kim, N. Harrison, L. Balicas, H. Amitsuka, J. A. Mydosh, Physica B, Vol.378-380 (2006) , 82 - 83

Evolution of the Physical Properties with Na Content in the Cobalt Oxide Superconductors  $Na_xCoO_2 \cdot 1.3H_2O$

\*K. Matano, G.-q. Zheng, J. Cmaidalka, Y. Sun, R.L. Meng, C.W. Chu, Physica B, Vol.378-380 (2006) , 871 - 872

Approaching Field Tuned Quantum Criticality in  $CeIn_{3-x}Sn_x$

\*A.V. Silhanek, D. Zocco, N. Harrison, M. Jaime, T. Ebihara, Physica B, Vol.378-380 (2006) , 90 - 91

Hall Effect Evolution across a Field-Induced Phase in  $U(Ru_{0.96}Rh_{0.04})_2Si_2$

Y. S. Oh, \*K. H. Kim, N. Harrison, P. A. Sharma, H. Amitsuka, J. A. Mydosh, Physica B, Vol.378-380 (2006) , 989 - 990

Upper Critical Fields and de Haas-van Alphen Oscillations in  $UNi_2Al_3$

\*T. Terashima, K. Enomoto, T. Konoike, S. Uji, NK. Sato, H. Yamagami, Physica B, Vol.378-380 (2006) , 991 - 992

Neutron Scattering Study of Spin and Lattice Dynamics in  $YbB_{12}$

\*J. -M. Mignot, P. A. Alekseev, K. S. Nemkovski, E. V. Nefeodova, A. V. Rybina, L. -P. Regnault, N. Y. Shitsevalovad, F. Iga, T. Takabatake, Physica B, Vol.383 (2006) , 16 - 19

Magnetic Order in CePdAl Single Crystal : Effect of Magnetic Field

\*K. Prokes, P. Manuel, D. T. Adroja, H. Kitazawa, T. Goto, Y. Isikawa, Physica B, Vol.385-386 (2006) , 359 - 362

Magnetic Properties of Clathrate-like Compound  $Pr_3Pd_{20}Ge_6$

\*O. Suzuki, H. Kitazawa, G. Kido, T. Yamaguchi, Y. Nemoto, T. Goto, J. Alloys Compd. , Vol.408-412 (2006) , 107 - 109

Evolution of Ferromagnetism in  $Y_{1-x}Pr_xInNi_4$  and Its Magneto Caloric Effect

\*N. Tsujii, O. Suzuki, H. Suzuki, H. Kitazawa, G. Kido, J. Alloys Compd., Vol.408-412 (2006) , 343 - 347

Yttrium Substitutional Effects on Geometrically Frustrated System TbNiAl

\*H. Kitazawa, S. Eguchi, G. Kido, G. Cao, J. Alloys Compd., Vol.408-412 (2006) , 58 - 61

Photoluminescence of  $Yb^{3+}$ -doped  $CuInS_2$  Single Crystals Prepared by In-flux and Chemical Vapor Transport Methods

\*N. Tsujii, Y. Imanaka, T. Takamasu, H. Kitazawa, G. Kido, J. Alloys Compd. , Vol.408-412 (2006) , 791 - 795

X-ray Magnetic Circular Dichroism at Rare-Earth  $L_{23}$  Absorption Edges in Various Compounds and Alloys

\*J. C. Parlebas, K. Asakura, A. Fujiwara, I. Harada, A. Kotani, Phys. Rep. , Vol.431 (2006) , 1 - 38

STM/STS Studies on Vortex and Electronic State in  $YBa_2Cu_3O_y$

\*T. Nishizaki, K. Shibata, M. Maki, N. Kobayashi, Physica C, Vol.437-438 (2006) , 220 - 225

Electronic Structure of Vortex State in a FFLO Superconductor

\*M. Ichioka, H. Adachi, T. Mizushima, K. Machida, Physica C, Vol.445-448 (2006) , 186 - 189

Electronic Structures and NMR  $T_1^{-1}$  in Quasi-one-dimensional Organic Superconductor  $(TMTSF)_2PF_6$

\*M. Takigawa, M. Ichioka, K. Kuroki, Y. Tanaka, Y. Asano, Physica C, Vol.445-448 (2006) , 190 - 193

Effect of Anisotropic Superconductivity on Flux Pinning in Polycrystalline  $MgB_2$

\*Z. X. Shi, J. Wang, H. Lv , T. Tamegai, Physica C, Vol.449 (2006) , 104 - 108

Thermally Induced Changes in the Structure, Composition, and Chemical Properties of  $LiMn_2O_{4-x}$  Spinel Prepared by Sol-Gel Method

M. Molenda, R. Dziembaj, W. Lasocha, C. Rudowicz, L. M. Proniewicz, E. Podstawka, \*H. Ohta, J. Appl. Phys., Vol.45 (2006) , 5132 - 5137

Bitter Decoration and Magneto-optical Observations of Vortex Chains in High Temperature Superconductors

\*T. Tamegai, H. Aoki, M. Matsui, M. Tokunaga , PRAMANA Journal of Physics, Vol.66 (2006) , 271 - 278


Electron-phonon interaction in correlated cuprate superconductors

\*S. Ishihara, N. Nagaosa , J. Phys. Chem. Solids., Vol.67 (2006) , 154 - 156

$^{115}In$ -NQR Study of Antiferromagnetism and Superconductivity in  $CeRhIn_5$  and  $CeIn_3$  under Pressure

\*S. Kawasaki, M. Yashima, H. Kotegawa, T. Mito, Y. Kawasaki, G.-q. Zheng, Y. Kitaoka, H. Shishido, S. Araki, D. Aoki, Y. Haga, R. Settai, Y. Onuki, J. Phys. Chem. Solids., Vol.67 (2006) , 497 - 499

Scanning Tunneling Microscopy and Spectroscopy Studies of Superconducting Boron-doped Diamond Films

\*T. Nishizaki , Y. Takano, M. Nagao, T. Takenouchi, H. Kawarada, N. Kobayashi, Sci. Technol. Adv. Mater., Vol.7 (2006) , S22 - S26

STM/STS Study of Superconducting Diamond

A. Troyanovskiy, \*T. Nishizaki, E. Ekimov, Sci. Tech. Adv. Mater, Vol.7 (2006) , S27 - S30

<sup>31</sup>P-NMR  $\mu$ SR Studies of Filled Skutterudite Compound  $\text{SmRu}_4\text{P}_{12}$

\*K. Hachitani, H. Amanuma, H. Fukazawa, Y. Kohori, I. Watanabe, K. Kumagai, C. Sekine, I. Shirotnani, J. Phys. Soc. Jpn, Vol.75 (2006), 164 - 166

Manipulation of Magnetic-flux Landscapes in Superconducting  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$  Crystals

\*D. Cole, S. J. Bending, S. Savel'ev, T. Tamegai, F. Nori, Europhys. Lett., Vol.76 (2006), 1151 - 1157

New Polarization Effect and Collective Excitation in  $S=1/2$  Quasi 1D Antiferromagnetic Quantum Spin Chain

\*S. V. Demishev, A. V. Semeno, H. Ohta, S. Okubo, I. E. Tarasenko, T. V. Ishchenko, JETP Letters, Vol.84 (2006), 305 - 309

Submillimeter and Millimeter Wave ESR Measurements of the  $S=1/2$  One Dimensional Zigzag Chain  $\text{MCuP}_2\text{O}_7$  (M=Sr, Pb)

K. Shiraki, M. Yoshida, S. Okubo, \*H. Ohta, M. Sakamoto, S. Miyashita, A. A. Belik, M. Azuma, M. Takano, J. Low Temp. Phys., Vol.850 (2006), 1025 - 1026

High Field ESR Measurements of the Organic Magnet  $\text{F}_3\text{PNN}$

M. Kodama, T. Sakurai, S. Okubo, \*H. Ohta, Y. Hosokoshi, J. Low Temp. Phys., Vol.850 (2006), 1027 - 1028

Submillimeter and Millimeter Wave ESR Measurements of the  $S=1/2$  Trimer Chain  $\text{M}_3\text{Cu}_3(\text{PO}_4)_4$  (M=Sr, Ca)

\*S. Okubo, H. Ishikawa, H. Ohta, S. Kimura, Y. Inagaki, A. A. Belik, M. Azuma, M. Takano, J. Low. Temp. Phys., Vol.850 (2006), 1037 - 1038

ESR Measurements of  $\text{KCuCl}_3$  under Multi Extreme Conditions

T. Sakurai, A. Taketani, S. Kimura, M. Yoshida, S. Okubo, \*H. Ohta, H. Tanaka, Y. Uwatoko, J. Low. Temp. Phys., Vol.850 (2006), 1057 - 1058

Highly Sensitive Detection of Pulsed Field ESR Using a Cantilever at Low Temperature

\*H. Ohta, M. Kimata, S. Okubo, E. Ohmichi, T. Osada, J. Low. Temp. Phys., Vol.850 (2006), 1643 - 1644

Asymmetric Behavior of Charge-Orbital Order in Electron/Hole-Doped A-Site Ordered Manganites

\*D. Akahoshi, M. Uchida, T. Arima, Y. Tomioka, Y. Tokura, Phys. Rev. B, Vol.74 (2006) 012402, 1 - 4

Sound Velocity and Multibranch Bogoliubov Spectrum of an Elongated Fermi Superfluid in the BEC-BCS Crossover

T. K. Ghosh, \*K. Machida, Phys. Rev. A, Vol.73 (2006) 013613, 1 - 6

Quadrupolar Kondo Effect in Non-Kramers Doublet System  $\text{PrInAg}_2$

\*O. Suzuki, H. S. Suzuki, H. Kitazawa, G. Kido, T. Ueno, T. Yamaguchi, Y. Nemoto, T. Goto, J. Phys. Soc. Jpn., Vol.75 (2006) 013704, 1 - 4

Cyclic Phase in F=2 Spinor Condensate: Long-range Order, Kinks, and Roughening Transition

\*W. V. Pogosov, K. Machida, Phys. Rev. A, Vol.74 (2006) 023611, 1 - 6

Thermal Fluctuations of Vortex Clusters in Quasi-two-dimensional Bose-Einstein Condensates

\*W. V. Pogosov, K. Machida, Phys. Rev. A, Vol.74 (2006) 023622, 1 - 8

Effect of Thermal Fluctuations on Spin Degrees of Freedom in Spinor Bose-Einstein Condensates

\*W. V. Pogosov, K. Machida, Phys. Rev. A, Vol.74 (2006) 023624, 1 - 5

Unusual Magnetic Response in Superconducting Mixed State of Sr<sub>2</sub>RuO<sub>4</sub>

\*K. Tenya, S. Yasuda, M. Yokoyama, H. Amitsuka, K. Deguchi, Y. Maeno, J. Phys. Soc. Jpn., Vol.75 (2006) 023702, 1 - 4

Crystal Structure and Properties of Phosphate PbCu<sub>2</sub>(Po<sub>4</sub>)<sub>2</sub> with Spin-singlet Ground State

\*A. A. Belik, M. Azuma, A. Matsuo, T. Kaji, S. Okubo, H. Ohta, K. Kindo, M. Takano, Phys. Rev. B, Vol.73 (2006) 024429, 1 - 7

Ferrimagnetic Long-range Order Caused by Periodicity of Exchange Interactions in the Spin-1 Trimer Chain Compounds ANi<sub>3</sub>P<sub>4</sub>O<sub>14</sub>(A=Ca, Sr, Pb, Ba)

\*M. Hase, H. Kitazawa, N. Tsujii, K. Ozawa, M. Kohno, G. Kido, Phys. Rev. B, Vol.74 (2006) 024430, 1 - 6

Fermi Surface of the Organic Superconductor (MDT-ST)(I<sub>3</sub>)<sub>0.417</sub> Reconstructed by Incommensurate Potential

\*T. Kawamoto, T. Mori, K. Enomoto, T. Konoike, T. Terashima, S. Uji, A. Takamori, K. Takimiya, T. Otsubo, Phys. Rev. B, Vol.73 (2006) 024503, 1 - 5

Magnetic Field-induced Quasiparticle Excitation in Nb<sub>3</sub>Sn: Evidence for Anisotropic s-wave Pairing

\*R. Kadono, K. H. Satoh, A. Koda, T. Nagata, H. Kawano-Furukawa, J. Suzuki, M. Matsuda, K. Ohishi, W. Higemoto, S. Kuroiwa, H. Takagiwa, J. Akimitsu, Phys. Rev. B, Vol.74 (2006) 024513, 1 - 5

High Field X-ray Diffraction Study on a Magnetic-Field-Induced Valence Transition in YbInCu<sub>4</sub>

\*Y. H. Matsuda, T. Inami, K. Ohwada, Y. Murata, H. Nojiri, Y. Murakami, H. Ohta, W. Zhang, K. Yoshimura, J. Phys. Soc. Jpn., Vol.75 (2006) 024710, 1 - 5

Muon-Spin-Relaxation Study on Single Crystals Tl<sub>1-x</sub>K<sub>x</sub>CuCl<sub>3</sub> with x = 0.2

\*T. Suzuki, I. Watanabe, A. Oosawa, T. Fujiwara, T. Goto, F. Yamada, H. Tanaka, J. Phys. Soc. Jpn., Vol.75 (2006) 025001, 1 - 2

Collective Modes of a Fermi Superfluid Containing Vortices Along the BEC-BCS Crossover

\*T. K. Ghosh, K. Machida, Phys. Rev. A, Vol.73 (2006) 025601, 1 - 4

Nonlinear Optical Transitions of GaAs/AlGaAs Asymmetric Double-well Structures

E. H. Kim, Y. H. Shin, Y. Kim, S. J. Noh, C. H. Perry, J. A. Simmons, S. A. Crooker, T. Takamasu, Appl. Phys. Lett., Vol.89 (2006) 032114, 1 - 3

High-resolution Photoemission Study of the Temperature-dependent *c-f* Hybridization Gap in the Kondo Semiconductor YbB<sub>12</sub>

\*Y. Takeda, M. Arita, M. Higashiguchi, K. Shimada, H. Namatame, M. Taniguchi, F. Iga, T. Takabatake, Phys. Rev. B, Vol.73 (2006) 033202, 1 - 4

Giant Negative Magnetoresistance Reflecting Molecular Symmetry in Dicyano(phthalocyaninato)iron Compounds

\*N. Hanasaki, M. Matsuda, H. Tajima, E. Ohmichi, T. Osada, T. Naito, T. Inabe, J. Phys. Soc. Jpn., Vol.75 (2006) 033703, 1 - 4

Two Types of Multistack Structures in MgB<sub>2</sub>-Type Superconductor CaAlSi

\*H. Sagayama, Y. Wakabayashi, H. Sawa, T. Kamiyama, A. Hoshikawa, S. Harjo, K. Uozato, A. K. Ghosh, M. Tokunaga, T. Tamegai, J. Phys. Soc. Jpn., Vol.75 (2006) 043713, 1 - 4

Upper Critical Field of  $\beta$ -pyrochlore KOs<sub>2</sub>O<sub>6</sub> Single Crystals

\*E. Ohmichi, T. Osada, S. Yonezawa, Y. Muraoka, Z. Hiroi, J. Phys. Soc. Jpn, Vol.75 (2006) 045002, 1 - 2

Low-temperature Fermi Surface of the Organic Conductor  $\beta''$ -(BEDT-TTF)(TCNQ)<sub>(1-x)</sub>(F1-TCNQ)<sub>x</sub> (x=0,0.05) from Magneto-optical Measurements

\*M. Kimata, Y. Oshima, H. Ohta, K. Koyama, M. Motokawa, Phys. Rev. B, Vol.75 (2006) 045126, 1 - 9

Dynamics of the Coherent Ground State in Intermediate-valent YbB<sub>12</sub>

\*B. Gorshunov, P. Haas, O. Ushakov, M. Dressel, F. Iga, Phys. Rev. B, Vol.73 (2006) 045207, 1 - 5

Weak Magnetic Order in the Normal State of the High-T<sub>c</sub> Superconductor La<sub>2-x</sub>Sr<sub>x</sub>CuO<sub>4</sub>

C. Panagopoulos, M. Majoros, T. Nishizaki, \*H. Iwasaki, Phys. Rev. Lett., Vol.96 (2006) 047002, 1 - 4

Magnetotransport and Magnetic-Field-Induced Density Waves in Low-Dimensional Layered Conductors

\*T. Osada, E. Ohmichi, J. Phys. Soc. Jpn., Vol.75 (2006) 051006, 1 - 7

Magnetic-field-induced Superconductivity Discovered in Organic Conductors

\*S. Uji, J.S.Brooks, J. Phys. Soc. Jpn, Vol.75 (2006) 051014, 1 - 10

Nonvolatile Multivalued Memory Effects in Electronic Phase-change Manganites Controlled by Joule Heating

\*H. Song, M. Tokunaga, S. Imamori, Y. Tokunaga, T. Tamegai, Phys. Rev. B, Vol.74 (2006) 052404, 1 - 4

Shadow Bands in Single-Layered  $\text{Bi}_2\text{Sr}_2\text{CuO}_{6+\delta}$  Studied by Angle-Resolved Photoemission Spectroscopy

\*K. Nakayama, T. Sato, T. Dobashi, K. Terashima, S. Souma, H. Matsui, T. Takahashi, J. C. Campuzano, K. Kudo, T. Sasaki, N. Kobayashi, T. Kondo, T. Takeuchi, K. Kadowaki, M. Kofu, K. Hirota, Phys. Rev. B, Vol.74 (2006) 054505, 1 - 6

Field-Induced Ferromagnetic Order and Colossal Magnetoresistance in  $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ : A  $^{139}\text{La}$  NMR Study

Y. Shiotani, J. L. Sarrao, \*G. -q. Zheng, Phys. Rev. Lett., Vol.96 (2006) 057203, 1 - 4

Reply to “Comment on ‘Sound Velocity and Multibranch Bogoliubov Spectrum of an Elongated Fermi Superfluid in the BEC-BCS Crossover’”

\*T. K. Ghosh, K. Machida, Phys. Rev. A, Vol.74 (2006) 057602, 1 - 1

Magnetic and Fermi Surface Properties in Ferromagnets  $\text{NdRh}_3\text{B}_2$  and  $\text{GdRh}_3\text{B}_2$

Y. Obiraki, \*H. Nakashima, A. Galatanu, T. D. Matsuda, Y. Haga, T. Takeuchi, K. Sugiyama, K. Kindo, M. Hagiwara, R. Settai, H. Harima, Y. Onuki, J. Phys. Soc. Jpn., Vol.75 (2006) 064702, 1 - 8

Thermopower of  $\text{Ce}_x\text{R}_{1-x}\text{B}_6$  (R  $\frac{1}{4}$  La, Pr and Nd)

\*M. -S. Kim, Y. Nakai, H. Tou, M. Sera, F. Iga, T. Takabatake, S. Kunii, J. Phys. Soc. Jpn., Vol.75 (2006) 064704, 1 - 7

Evidence for Multimagnon-Mediated Nuclear Spin Relaxation in the Intertwining Double-Chain Ferrimagnet  $\text{Ca}_3\text{Cu}_3(\text{PO}_4)_4$

\*S. Yamamoto, H. Hori, Y. Furukawa, Y. Nishisaka, Y. Sumida, K. Yamada, K. Kumagai, T. Asano Y. Inagaki, J. Phys. Soc. Jpn, Vol.75 (2006) 074703, 1 - 5

Unique Magnetic Properties of  $\text{NdRhIn}_5$ ,  $\text{TbRhIn}_5$ ,  $\text{DyRhIn}_5$ , and  $\text{HoRhIn}_5$

N. V. Hieu, H. Shishido, \*T. Takeuchi, A. Thamizhavel, H. Nakashima, K. Sugiyama, R. Settai, T. D. Matsuda, Y. Haga, M. Hagiwara, K. Kindo, Y. Onuki, J. Phys. Soc. Jpn., Vol.75 (2006) 074708, 1 - 6

Evolution in Split-peak Structure Across the Peak Effect Region in Single Crystals of  $2\text{H-NbSe}_2$

A. D. Thakur, T. V. Chandrasekhar, S. Ramakrishnan, A. K. Grover, \*S. Uji, T. Terashima, M. J. Higgins, J. Phys. Soc. Jpn, Vol.75 (2006) 074718, 1 - 9

Lattice Distortion in Antiferromagnetic CoO under High Magnetic Fields

\*Y. Narumi, K. Katsumata, U. Staub, K. Kindo, M. Kawauchi, C. Broennimann, H. Toyokawa, Y. Tanaka, A. Kikkawa, T. Yamamoto, M. Hagiwara, T. Ishikawa; H. Kitamura., J. Phys. Soc. Jpn., Vol.75 (2006) 075001, 1 - 2

Magnetophonon Resonance of Tunneling Hot Electrons at High Magnetic Fields

T. Strutz, \*T. Takamasu, H. Sakaki, N. Miura, Phys.Rev.B, Vol.75 (2006) 075208, 1 - 5

Basal-Plane Magnetic Anisotropies of High- $k$ -Wave Superconductors in a Mixed State: A Quasiclassical Approach

H. Adachi, P. Miranovic, M. Ichioka, \*K. Machida, J. Phys. Soc. Jpn., Vol.75 (2006) 084716, 1 - 9

Magnetism of  $\text{Cu}_2\text{CdB}_2\text{O}_6$ : Quantum Spin System Having a Nearly Singlet State and Antiferromagnetic Long-range Order

\*M. Hase, M. Kohno, H. Kitazawa, O. Suzuki, K. Ozawa, G. Kido, M. Imai, X. Hu, J. Appl. Phys., Vol.99 (2006) 08H504, 1 - 3

Magnetic-Field-Induced Switching Between Ferroelectric Phases in Orthorhombic-Distortion-Controlled  $\text{RMnO}_3$

\*K. Noda, M. Akaki, T. Kikuchi, D. Akahoshi, H. Kuwahara, J. Appl. Phys., Vol.99 (2006) 08S905, 1 - 3

Valence and Na Content Dependences of Superconductivity in  $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$

\*H. Sakurai, N. Tsujii, O. Suzuki, H. Kitazawa, G. Kido, K. Takada, T. Sasaki, E. Muromachi, Phys. Rev. B, Vol.74 (2006) 092502, 1 - 4

Observation of Field-dependent Magnetic Parameters in the Magnetic Molecule  $\{\text{Ni}_4\text{Mo}_{12}\}$

\*J. Schnack, M. Bruger, M. Luban, P. Kogerler, E. Morosan, R. Fuchs, R. Modler, H. Nojiri, R. C. Rai, J. Cao, J. L. Musfeldt, X. Wei, Phys. Rev. B, Vol.73 (2006) 094401, 1 - 9

Charge Transfer Degree and Superconductivity of the Incommensurate Organic Superconductor  $(\text{MDT-TSF})(\text{I}_3)_{0.422}$

T. Kawamoto, T. Mori, T. Konoike, K. Enomoto, T. Terashima, \*S. Uji, H. Kitagawa, K. Takimiya, T. Otsubo, Phys. Rev. B, Vol.73 (2006) 094513, 1 - 8

Characteristic High-Field Magnetization in a Transuranium Antiferromagnet  $\text{NpRhGa}_5$

\*K. Sugiyama, H. Nakashima, D. Aoki, Y. Haga, E. Yamamoto, A. Nakamura, Y. Homma, Y. Shiokawa, K. Kindo, M. Hagiwara, Y. Onuki, J. Phys. Soc. Jpn., Vol.75 (2006) 094707, 1 - 6

ESR Measurements on One-dimensional Quantum Ferrimagnets  $\text{A}_3\text{Cu}_3(\text{PO}_4)_4$  with  $\text{A}=\text{Sr}$  and  $\text{Ca}$  in Submillimeter-wave Region

\*S. Kimura, H. Ishikawa, Y. Inagaki, M. Yoshida, S. Okubo, H. Ohta, H. Nojiri, A. B. Belik, M. Azuma, M. Takano, J. Phys. Soc. Jpn., Vol.75 (2006) 094718, 1 - 7

New Magnetic State in Incommensurate Magnetic Phase of Heavy-Fermion Superconductor  $\text{CeRh}_{0.6}\text{Co}_{0.4}\text{In}_5$

\*M. Yokoyama, H. Amitsuka, K. Matsuda, A. Gawase, N. Oyama, I. Kawasaki, K. Tenya, H. Yoshizawa, J. Phys. Soc. Jpn., Vol.75 (2006) 103703, 1 - 5

1/3 Magnetization Plateau Observed in the Spin-1/2 Trimer Chain Compound  $\text{Cu}_3(\text{P}_2\text{O}_6\text{OH})_2$

\*M. Hase, M. Kohno, H. Kitazawa, N. Tsujii, O. Suzuki, K. Ozawa, G. Kido, M. Imai, X. Hu, Phys. Rev. B, Vol.73 (2006) 104419, 1 - 5

Charge Disproportionation in Highly One-Dimensional Molecular Conductor  $\text{TPP}[\text{Co}(\text{Pc})(\text{CN})_2]_2$

\*N. Hanasaki, K. Masuda, K. Kodama, M. Matsuda, H. Tajima, J. Yamazaki, M. Takigawa, J. Yamaura, E. Ohmichi, T. Osada, T. Naito, T. Inabe, J. Phys. Soc. Jpn., Vol.75 (2006) 104713, 1 - 5

Observation of a Half Step Magnetization in the  $\{\text{Cu}_3\}$ -Type Triangular Spin Ring

\*K. Y. Choi, Y. H. Matsuda, H. Nojiri, U. Kortz, F. Hussain, A. C. Stowe, C. Ramsey, S. Dalal, Phys. Rev. Lett., Vol.96 (2006) 107202, 1 - 4

Collinear Order in Frustrated Quantum Antiferromagnet on Square Lattice (CuBr)LaNb<sub>2</sub>O<sub>7</sub>

N. Oba, \*H. Kageyama, T. Kitano, J. Yasuda, Y. Baba, M. Nishi, K. Hirota, Y. Narumi, M. Hagiwara, K. Kindo, T. Saito, Y. Ajiro, K. Yoshimura, J. Phys. Soc. Jpn., Vol.75 (2006) 113601, 1 - 5

Reduced Phonon Scattering in an Asymmetric Triple Barrier Resonant-Tunneling Diode at High Magnetic Fields

Thomas Strutz, \*T. Takamasu, H. Sakaki, N. Miura, J. Phys. Soc. Jpn., Vol.75 (2006) 114702, 1 - 5

Modification of the Quantum Hall Effect by the Charge State of a Nearby Quantum Dots Layer

\*K. Takehana, T. Takamasu, J. Phys. Soc. Jpn., Vol.75 (2006) 114713, 1 - 6

Generic Phase Diagram of Fermion Superfluids with Population Imbalance

\*K. Machida, T. Mizushima, M. Ichioka, Phys. Rev. Lett., Vol.97 (2006) 120407, 1 - 4

Current-Voltage Characteristics of Charge-Ordered Organic Crystals

\*T. Yamaguchi, T. Konoike, K. Enomoto, M. Nishimura, S. Uji, T. Terashima, H. Yamamoto, Phys. Rev. Lett., Vol.96 (2006) 1236602, 1 - 4

High Field ESR and Magnetization in Na<sub>2</sub>Co<sub>2</sub>(C<sub>2</sub>O<sub>4</sub>)<sub>3</sub>(H<sub>2</sub>O)<sub>2</sub>

\*Y. Nakagawa, T. Kashiwagi, H. Yamaguchi, S. Kimura, Z. Honda, K. Yamada, K. Kindo, M. Hagiwara, J. Phys. Soc. Jpn., Vol.75 (2006) 124708, 1 - 5

Two Kinds of Pseudogaps in Bi<sub>1.79</sub>Pb<sub>0.37</sub>Sr<sub>1.86</sub>CuO<sub>6+δ</sub> Studied by the Out-of-Plane Resistivity in Magnetic Fields

\*K. Kudo, Y. Miyoshi, T. Sasaki, T. Nishizaki, N. Kobayashi, J. Phys. Soc. Jpn., Vol.75 (2006) 124710, 1 - 5

Appearance of Successive Phase Transition in SmRu<sub>4</sub>P<sub>12</sub> under High Magnetic Fields Probed by <sup>31</sup>P Nuclear Magnetic Resonance

\*K. Hachitani, H. Amanuma, H. Fukazawa, Y. Kohori, K. Koyama, K. Kumagai, C. Sekine, I. Shirotnani, J. Phys. Soc. Jpn., Vol.75 (2006) 124712, 1 - 6

<sup>31</sup>P-NMR and  $\mu$ SR Studies of Filled Skutterudite Compound SmFe<sub>4</sub>P<sub>12</sub>: Evidence for Heavy Fermion Behavior with Ferromagnetic Ground State

\*K. Hachitani, H. Fukazawa, Y. Kohori, I. Watanabe, Y. Yoshimitsu, K. Kumagai, R. Giri, C. Sekine, I. Shirotnani, J. Phys. Soc. Jpn., Vol.75 (2006) 124717, 1 - 5

Electric-Field Effect on the Angle-Dependent Magnetotransport Properties of Quasi-One-Dimensional Conductors

\*K. Kobayashi, M. Saito, E. Ohmichi, T. Osada, Phys. Rev. Lett., Vol.96 (2006) 126601, 1 - 4

Muon Spin Rotation and Relaxation Study on the Solid Solution of the Two Spin-gap Systems (CH<sub>3</sub>)<sub>2</sub>CHNH<sub>3</sub>-CuCl<sub>3</sub> and (CH<sub>3</sub>)<sub>2</sub>CHNH<sub>3</sub>-CuBr<sub>3</sub>

T. Saito, A. Oosawa, \*T. Goto, T. Suzuki, I. Watanabe, Phys. Rev. B, Vol.74 (2006) 134423, 1 - 5



## Irreversible Dynamics of the Phase Boundary in $U(Ru_{0.96}Rh_{0.04})_2Si_2$ and Implications

\*A.V. Silhanek, M. Jaime, N. Harrison, V. R. Fanelli, C. D. Batista, H. Amitsuka, S. Nakatsuji, L. Balicas, K. H. Kim, Z. Fisk, J. L. Sarrao, L. Civale, J.A. Mydosh, Phys. Rev. Lett. , Vol.97 (2006) 136408, 1 - 4

## Magnetic-field and Pressure Dependence of Low-temperature Resistivity in $UGe_2$

\*T. Terashima, S. Uji, K. Enomoto, T. Konoike, T. Matsumoto, N. Kimura, H. Aoki, K. Maezawa, Phys. Rev. B, Vol.73 (2006) 140406, 1 - 6

## Ubiquitous V-Shape Density of States in a Mixed State of Clean Limit Type II Superconductors

N. Nakai, P. Miranovic, M. Ichioka, H. F. Hess, K. Uchiyama, H. Nishimori, S. Kaneko, N. Nishida, \*K. Machida, Phys. Rev. Lett., Vol.97 (2006) 147001, 1 - 4

## Tomonaga-Luttinger Liquid in a Quasi-One-Dimensional $S=1$ Antiferromagnet Observed by Specific Heat Measurements

\*M. Hagiwara, H. Tsujii, C. R. Rotundu, B. Andraka, Y. Takano, N. Tateiwa, T. C. Kobayashi, T. Suzuki, S. Suga, Phys. Rev. Lett. , Vol.96 (2006) 147203, 1 - 4

## Phonon Thermal Transport of $URu_2Si_2$ : Broken Translational Symmetry and Strong Coupling of the “Hidden Order” to the Lattice

\*P. A. Sharma, N. Harrison, M. Jaime, Y. S. Oh, K. H. Kim, C. D. Batista, H. Amitsuka, J. A. Mydosh, Phys. Rev. Lett. , Vol.97 (2006) 156401, 1 - 4

## Vortex Dynamics and the Fulde-Ferrell-Larkin-Ovchinnikov State in a Magnetic-field-induced Organic Superconductor

\*S. Uji, T. Terashima, M. Nishimura, Y. Takahide, T. Konoike, K. Enomoto, H. Cui, H. Kobayashi, A. Kobayashi, H. Tanaka, M. Tokumoto, E. S. Choi, T. Tokumoto, D. Graf, J. S. Brooks, Phys. Rev. Lett., Vol.97 (2006) 157001, 1 - 4

## Specific Heat and Low-lying Excitations in the Mixed State for a Type-II Superconductor

N. Nakai, P. Miranovic, M. Ichioka, \*K. Machida, Phys. Rev. B , Vol.73 (2006) 172501, 1 - 4

## Room Temperature Low-field Colossal Magnetoresistance in $La_{0.7}Sr_{0.3}MnO_3$

\*S. Imamori, M. Tokunaga, S. Hakuta, T. Tamegai, Appl. Phys. Lett., Vol.89 (2006) 172508, 1 - 3

## Low-energy Excitations in the Magnetized State of the Bond-alternating Quantum $S=1$ Chain System $Ni(C_9D_{24}N_4)(NO_2)ClO_4$

\*L. P. Regnault, A. Zheludev, M. Hagiwara, A. Stunault, Phys. Rev. B, Vol.73 (2006) 174431, 1 - 4

## Magnetic Properties of a Ni Tetramer with a Butterfly Structure in High Magnetic Fields

\*M. Hagiwara, Y. Narumi, A. Matsuo, H. Yashiro, S. Kimura, K. Kindo, New J. Phys. , Vol.8 (2006) 176, 1 - 10

## Field-induced Lattice Staircase in a Frustrated Antiferromagnet $CuFeO_2$

\*N. Terada, Y. Narumi, K. Katsumata, T. Yamamoto, U. Staub, K. Kindo, M. Hagiwara, Y. Tanaka, A. Kikkawa, H. Toyokawa, T. Fukui, R. Kanmuri, T. Ishikawa, H. Kitamura, Phys. Rev. B, Vol.74 (2006) 180404, 1 - 4

Vortex-Core Structure in Neutral Fermion Superfluids with Population Imbalance

M. Takahashi, T. Mizushima, M. Ichioka, \*K. Machida, Phys. Rev. Lett., Vol.97 (2006) 180407, 1 - 4

Spin Singlet Pairing in the Superconducting State of  $\text{Na}_x\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$ : Evidence from  $^{59}\text{Co}$  Knight Shift in a Single Crystal

\*G. - q. Zheng, K. Matano, D. P. Chen, C. T. Lin, Phys. Rev. B, Vol.73 (2006) 180503, 1 - 4

Anisotropic S-wave Superconductivity in  $\text{CaAlSi}$  Single Crystals from Penetration Depth Measurements

\*R. Prozorov, T. A. Olheise, R. W. Giannetta, K. Uozato, T. Tamegai, Phys. Rev. B, Vol.73 (2006) 184523, 1 - 4

Effect of the Vortices on the Nuclear Spin Relaxation Rate in the Unconventional Pairing States of the Organic Superconductor  $\chi\text{TMTSF}\chi_2\text{PF}_6$

\*M. Takigawa, M. Ichioka, K. Kuroki, Y. Asano, Y. Tanaka, Phys. Rev. Lett., Vol.97 (2006) 187002, 1 - 4

Nonlocal Magnetic Field-Tuned Quantum Criticality in Cubic  $\text{Ce In}_{3-x}\text{Sn}_x$  ( $x=0.25$ )

A. V. Silhanek, \*T. Ebihara, N. Harrison, M. Jaime, K. Tezuka, V. Fanelli, C. D. Batista, Phys. Rev. Lett., Vol.96 (2006) 206401, 1 - 4

Surface and Vortex Structures in Noncentrosymmetric Superconductors under Applied Magnetic Fields

M. Oka, M. Ichioka, \*K. Machida, Phys. Rev. B, Vol.73 (2006) 214509, 1 - 5

Field-and Angular-dependent Resistance of  $\lambda$ -(BETS) $_2\text{FeCl}_4$  under Pressure

Y. J. Jo, H. Kang, \*W. Kang, S. Uji, T. Terashima, T. Tanaka, M. Tokumoto, A. Kobayashi, H. Kobayashi, Phys. Rev. B, Vol.73 (2006) 214532, 1 - 7

Fulde-Ferrell-Larkin-Ovchinnikov State in a Perpendicular Field of Quasi-Two- Dimensional  $\text{CeCoIn}_5$

\*K. Kumagai, M. Saitoh, T. Oyaizu, Y. Furukawa, S. Takashima, M. Nohara, H. Takagi, Y. Matsuda, Phys. Rev. Lett., Vol.97 (2006) 227002, 1 - 4

Fermiology and Superconductivity at High Magnetic Fields in a Completely Organic Cation Radical Salt

\*J. S. Brooks, V. Williams, E. Choi, D. Graf, M. Tokumoto, S. Uji, F. Zuo, J. Wosnitza, J. A. Schlu, R. W. Winter, G. L. Gard, K. Storr, New J. Phys., Vol.8 (2006) 255, 1 - 21

Observation of Higher-Harmonic Helical Spin-Resonance Modes in the Chromium Spinel  $\text{CdCr}_2\text{O}_4$

\*S. Kimura, M. Hagiwara, H. Ueda, Y. Narumi, K. Kindo, H. Yashiro, T. Kashiwagi, H. Takagi, Phys. Rev. Lett., Vol.97 (2006) 257202, 1 - 4

Local Spin Moment Distribution in Antiferromagnetic Molecular Rings Probed by NMR

\*E. Micotti, Y. Furukawa, K. Kumagai, S. Caretta, A. Lascialfari, F. Borsa, G. A. Timco, R. E. P. Winpenny, Phys. Rev. Lett., Vol.97 (2006) 267204, 1 - 4

Na Content Dependence of Superconductivity and the Spin Correlations in  $\text{Na}_x\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$

\*G. -q. Zheng, K. Matano, R. L. Meng, J. Cmaidalka, C. W. Chu, J. Phys.: Condens. Matter., Vol.18 (2006) 9307, L63 - L70

Metal-Insulator Transition of Charge Transfer Salts Based on Unsymmetrical Donor DMET and Metal Halide Anions,  $(\text{DMET})_4(\text{MCl}_4)(\text{TCE})_2$  (M = Mn, Co, Cu, Zn; TCE = 1,1,2-trichloroethane)

\*H. Ito, D. Suzuki, H. Watanabe, H. Tanaka, S. Kuroda, M. Umemiya, N. Kobayashi, M. Goto, K. Sugiura, H. Miyasaka, S. Takaishi, T. Kajiwara, M. Yamashita, E. Ohmichi, T. Osada, J. Am. Chem. Soc., Vol.129 (2007) , 8510 - 8518

Primitive Description for Hall Oscillations in the Extreme Quantum Limit of  $(\text{TMTSF})_2\text{ClO}_4$

S. McKernan, S. Uji, \*J. S. Brooks, P. M. Chaikin, Solid State Commun., Vol.145 (2007) , 385 - 388

Visibility of Vortex Core in Fermionic Superfluid with Population Imbalance

\*M. Takahashi, T. Mizushima, K. Machida, M. Ichioka, J. Low Temp. Phys., Vol.148 (2007) , 423 - 427

Metal-semiconductor Structural Phase Transitions and Antiferromagnetic Orderings in  $(\text{Benzo-TTFVO})_2\text{MX}_4$  (M=Fe, Ga; X=Cl, Br) Salts

T. Hiraoka, H. Fujiwara, \*T. Sugimoto, H. Nakazumi, S. Noguchi, A. Kuribayashi, T. Ishida, K. Yokogawa, K. Murata, T. Mori, H. A. Katori, S. Kimura and M. Hagiwara, J. Mater. Chem., Vol.17 (2007) , 1664 - 1673

Scanning Tunneling Microscopy / Spectroscopy on Superconducting Diamond Films

\*T. Nishizaki, Y. Takano, M. Nagao, T. Takenouchi, H. Kawarada, N. Kobayashi, New Diamond Front. Carbon Technol., Vol.17 (2007) , 21 - 31

Photoemission Study of Perovskite-Type Manganites with Stripe Ordering

\*K. Ebata, H. Wadati, M. Takizawa, K. Maekawa, A. Fujimori, A. Chikamatsu, H. Kumigashira, M. Oshima, Y. Tomioka, H. Kuwahara, Y. Tokura, J. Supercond. Novel. Magn., Vol.20 (2007) , 543 - 546

DNA Electrophoresis under the Gradient Magnetic Field

K. Yoshida, S. Ozawa, \*I. Yamamoto, M. Yamaguchi, K. Ogawa, T. Takamasu, Phys. Status Solidi A, Vol.204 (2007) , 3918 - 3921

Potential Imaging in Quantum Hall Device by Optical Fiber Based Pockels Measurement

M. Dohi, R. Yonamine, \*K. Oto, K. Muro, Int. J. Mod. Phys. B , Vol.21 (2007) , 1414 - 1418

Anomalous Quantum Hall Resistance in  $\text{Al}_{0.6}\text{Ga}_{0.4}\text{As}_{0.1}\text{Sb}_{0.9}/\text{InAs}$  Quantum Well with Tunable Carrier Density

\*K. Oto, S. Tamiya, S. Ishida, A. Okamoto, I. Shibusaki, Int. J. Mod. Phys. B , Vol.21 (2007) , 1419 - 1423

Influence of Nearby Od Layer on 2des in Quantum Hall Regime

\*K. Takehana, Y. Imanaka, T. Takamasu, Int. J. Mod. Phys. B , Vol.21 (2007) , 1445 - 1449

Comprehensive Study of Spin-Flip Excitation in CdZnTe/CdZnMnTe Quantum Wells

D. Fukuoka, K. Arahara, T. Koyama, N. Tanaka, \*K. Oto, K. Muro, S. Takeyama, G. Karczewski, T. Wojtowicz, J. Kossut, Int. J. Mod. Phys. B , Vol.21 (2007) , 1610 - 1614

STM Studies of Electronic Order in the Underdoped Surface of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub>

\*T. Nishizaki, N. Kobayashi, M. Maki, Int. J. Mod. Phys. B, Vol.21 (2007) , 3199 - 3201

Hidden Order and Pseudogap of Pb-Substituted Bi2201 Studied by Scanning Tunneling Microscopy and Out-of-Plane Resistivity in Magnetic Fields

\*K. Kudo, T. Nishizaki, N. Okumura, T. Sasaki, N. Kobayashi, E. Ohmichi, T. Osada, Int. J. Mod. Phys. B, Vol.21 (2007) , 3208 - 3210

Quasi-One-Dimensional Superconductivity in Sc<sub>5</sub>Ir<sub>4</sub>Si<sub>10</sub> and Lu<sub>5</sub>Ir<sub>4</sub>Si<sub>10</sub> Single Crystals

\*T. Tamegai, G. J. Li, Int. J. Mod. Phys. B, Vol.21 (2007) , 3334 - 3339

Vortex Phase Diagram of Underdoped YBa<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> in Parallel Magnetic Fields

\*T. Nishizaki, Y. Takahashi, N. Kobayashi, Int. J. Mod. Phys. B, Vol.21 (2007) , 3364 - 3366

Field-induced Tomonaga-Luttinger Liquid of a Quasi-one-dimensional S=1 Antiferromagnet

\*M. Hagiwara, H. Tsujii, C. R. Rotundu, B. Andraka, Y. Takano, T. Suzuki, S. Suga, Mod. Phys. Lett. B, Vol.21 (2007) , 965 - 976

Spin-Lattice Instability to a Fractional Magnetization State in the Spinel HgCr<sub>2</sub>O<sub>4</sub>

\*M. Matsuda, H. Ueda, A. Kikkawa, Y. Tanaka, K. Katsumata, Y. Narumi, T. Inami, Y. Ueda, S.-H. Lee , Nat. Phys., Vol.3 (2007) , 397 - 400

Magnetic Properties of Er, O-codoped GaAs at Low Temperature

\*S. Takemoto, T. Terao, Y. Terai, M. Yoshida, A. Koizumi, H. Ohta, Y. Takeda, N. Fujimura, Y. Fujiwara, Phys. Status Solidi C, Vol.3 (2007) , 4082 - 4085

Quasiparticle Interference and Superconducting Gap in Ca<sub>2-x</sub>Na<sub>x</sub>CuO<sub>2</sub>Cl<sub>2</sub>

\*T. Hanaguri, Y. Kohsaka, J. C. Davis, C. Lupien, I. Yamada, M. Azuma, M. Takano, K. Ohishi, M. Ono, H. Takagi, Nat. Phys., Vol.3 (2007) , 865 - 871

Negative and Positive Persistent Photoconductivity Effects in Al<sub>x</sub>Ga<sub>1-x</sub>As<sub>y</sub>Sb<sub>1-y</sub>/InAs Quantum Wells

\*S. Ishida, A. Fujimoto, K. Oto, M. Araki, I. Shibusaki, J. Cryst. Growth, Vol.301-302 (2007) , 185 - 189

Low-Temperature Transport Properties in Al<sub>x</sub>Ga<sub>1-x</sub>As<sub>y</sub>Sb<sub>1-y</sub>/InAs Quantum Wells: Well-Width Dependence

\*S. Ishida, A. Fujimoto, M. Araki, K. Oto, A. Okamoto, I. Shibusaki, J. Cryst. Growth, Vol.301-302 (2007) , 199 - 202

\*K. Okunishi, J. Magn. Magn. Mater., Vol.310 (2007) , 1108 - 1109

Deuteration Effects on Specific Heat of an Alternating Chain System: F<sub>3</sub>PNN

\*Y. Yoshida, O. Wada, Y. Nakaie, T. Kawae, N. Sakai, N. Kawame, Y. Fujii, Y. Hosokoshi, B. Grenier, J-P. Boucher, J. Magn. Magn. Mater., Vol.310 (2007) , 1215 - 1217

High Field ESR Measurements on the Spin Gap System TiCuCl<sub>3</sub>

\*S. Kimura, M. Hagiwara, H. Tanaka, A. K. Kolezhuk, K. Kindo, J. Magn. Magn. Mater., Vol.310 (2007) , 1218 - 1220

High Field ESR Study of One-dimensional S=1/2 Heisenberg Antiferromagnet with Next-nearest Exchange Interaction

\*H. Ohta, S. Takano, S. Okubo, M. Yoshida, H. Kikuchi, J. Magn. Magn. Mater. , Vol.310 (2007) , 1234 - 1235

NMR study of Field-Induced Magnetic Ordering in the Haldane System PbNi<sub>2</sub>V<sub>2</sub>O<sub>8</sub>

\*K. Hashi, N. Tsujii, T. Shimizu, A. Goto, H. Kitazawa, S. Ohki, J. Mag. Mag. Mat., Vol.310 (2007) , 1242 - 1244

Novel Spin Excitation in the High Field Phase of an S=1 Antiferromagnetic Chain

\*M. Hagiwara, T. Kashiwagi, S. Kimura, Z. Honda, K. Kindo, J. Magn. Magn. Mater., Vol.310 (2007) , 1272 - 1274

High-field Magnetization of TbB<sub>4</sub>

\*S. Yoshii, T. Yamamoto, M. Hagiwara, T. Takeuchi, A. Shigekawa, S. Michimura, F. Iga, T. Takabatake, K. Kindo, J. Magn. Magn. Mater., Vol.310 (2007) , 1282 - 1284

Magnetic Properties and Hall Effect of Single-crystalline YMn<sub>6</sub>Sn<sub>6</sub>

K. Uhlirova, V. Sechovsky, F. R. de Boer, S. Yoshii, T. Yamamoto, M. Hagiwara, C. Lefèvre, G. Venturini, J. Magn. Magn. Mater., Vol.310 (2007) , 1747 - 1749

High-Field Magnetization in Transuranium Compounds

\*K. Sugiyama, H. Nakashima, D. Aoki, S. Ikeda, Y. Haga, E. Yamamoto, A. Nakamura, Y. Homma, Y. Shiokawa, K. Kindo, M. Hagiwara, Y. Onuki, J. Magn. Magn. Mater., Vol.310 (2007) , 1789 - 1791

Pressure-Temperature Phase Diagram of the Heavy-Electron Superconductor URu<sub>2</sub>Si<sub>2</sub>

\*H. Amitsuka, K. Matsuda, I. Kawasaki, K. Tenya, M. Yokoyama, C. Sekine, N. Tateiwa, T. C. Kobayashi, S. Kawarazaki, H. Yoshizawa , J. Magn. Magn. Mater. , Vol.310 (2007) , 214 - 220

ESR in a GaN thin Film Doped with Fe

\*T. Kashiwagi, S. Sonoda, H. Yashiro, Y. Akasaka, M. Hagiwara, J. Magn. Magn. Mater., Vol.310 (2007) , 2152 - 2154

### Magnetic Properties of $Ce_3T_4Sn_{13}$ and $Pr_3T_4Sn_{13}$ (T=Co and Rh) Single Crystals

\*Y. Oduchi, C. Tonohiro, A. Thamizhavel, H. Nakashima, S. Morimoto, T. D. Matsuda, Y. Haga, K. Sugiyama, T. Takeuchi, R. Settai, M. Hagiwara, Y. Onuki, J. Magn. Magn. Mater., Vol.310 (2007) , 249 - 251

### Magnetism of Filled Skutterudites under High Magnetic Fields

\*T. Yamada, H. Nakashima, K. Sugiyama, M. Hagiwara, K. Kindo, K. Tanaka, D. Kikuchi, Y. Aoki, H. Sugawara, H. Sato, R. Settai, Y. Onuki, H. Harima, J. Magn. Magn. Mater., Vol.310 (2007) , 252 - 254

### Single-Site Effects of Pr and U Ions Doped in $RRu_2Si_2$ (R = Th, Y and La)

\*A. Morishita, K. Matsuda, T. Wakabayashi, I. Kawasaki, K. Tenya, H. Amitsuka, J. Magn. Magn. Mater. , Vol.310 (2007) , 283 - 285

### Low-Energy Magnetic Fluctuations in $U(Ru_{1-x}Rh_x)_2Si_2$ ( $x \leq 0.02$ )

\*M. Yokoyama, K. Matsuda, H. Amitsuka, K. Tenya, N. Aso, H. Yoshizawa, J. Magn. Magn. Mater. , Vol.310 (2007) , 328 - 330

### Neutron-Scattering and Magnetization Study on $URu_2Si_2$ under Hydrostatic Pressure using a Cu-Be Pressure Cell

\*K. Matsuda, M. Yokoyama, K. Tenya, H. Amitsuka, H. Yoshizawa, J. Magn. Magn. Mater. , Vol.310 (2007) , 337 - 339

### Non-Fermi Liquid Behavior in $YbCu_2Si_2$

\*N. Tsujii, H. Kitazawa, T. Aoyagi, T. Kimura, G. Kido, J. Mag. Mag. Mater., Vol.310 (2007) , 349 - 351

### Experimental Studies of Magnetism of Trimer Chains

\*M. Hase, M. Kohno, H. Kitazawa, N. Tsujii, O. Suzuki, K. Ozawa, G. Kido, M. Imai, X. Hu, J. Mag. Mag. Mater., Vol.310 (2007) , 375 - 377

### Macroscopic Manifestations of Broken Inversion Symmetry in Noncentrosymmetric Superconductors with Applied Magnetic Field

\*M. Oka, M. Ichioka, K. Machida, J. Magn. Magn. Mater. , Vol.310 (2007) , 575 - 577

### Vortex State in FFLO Superconductors

\*M. Ichioka, H. Adachi, T. Mizushima, K. Machida, J. Magn. Magn. Mater. , Vol.310 (2007) , 593 - 595

### Quasiclassical Calculation of the Quasiparticle Thermal Conductivity in a Mixed State

\*H. Adachi, P. Miranovic, M. Ichioka, K. Machida, J. Magn. Magn. Mater., Vol.310 (2007) , 640 - 642

### NMR and NQR Studies of the Pairing Symmetry in the Superconducting State of $Na_xCoO_2 \cdot 1.3H_2O$

K. Matano, \*G. -q. Zheng, D. P. Chen, C. T. Lin, J. Cmaidalka, R. L. Meng, C. W. Chu, J. Magn. Magn. Mater., Vol.310 (2007) , 687 - 689

The Superconducting Gap Structure of  $\text{PrOs}_4\text{Sb}_{12}$  and  $\text{CeRu}_2$  Probed by  $C(H, \phi)$

\*J. Custers, A. Yamada, T. Tayama, T. Sakakibara, H. Sugawara, Y. Aoki, H. Sato, Y. Onuki, K. Machida, J. Magn. Magn. Mater., Vol.310 (2007) , 700 - 702

Decrease of the Coherence Temperature with Low Rh Doping in  $\text{U}(\text{Ru}_{1-x}\text{Rh}_x)_2\text{Si}_2$

Y. S. Oh, \*K. H. Kim, N. Harrison, H. Amitsuka, J. A. Mydosh, J. Magn. Magn. Mater. , Vol.310 (2007) , 855 - 857

Electronic States in Polycrystalline and Crystalline Bismuth-based Manganites

\*M. Tokunaga, S. Hakuta, T. Tamegai, J. Magn. Magn. Mater., Vol.310 (2007) , 885 - 887

Magnetism of Insulator Phase in  $\text{SrRu}_{1-x}\text{Mn}_x\text{O}_3$  ( $0.4 < x < 0.6$ ) Crystal

\*H. Kawanaka, C. Satoh, M. Yokoyama, H. Kitazawa, O. Suzuki, G. Kido, H. Bando, Y. Nishihara, J. Magn. Magn. Mater., Vol.310 (2007) , 987 - 989

$\text{UGe}_2$ : Low-Temperature Resistivity Measurements in a Wide Range of Magnetic Field and Pressure

\*T. Terashima, K. Enomoto, T. Konoike, T. Matsumoto, S. Uji, N. Kimura, M. Endo, T. Komatsubara, H. Aoki, K. Maezawa, J. Magn. Magn. Mater., Vol.310 (2007) , e116 - e117

NMR Study of the Successive Two Phase Transitions in  $\text{SmRu}_4\text{P}_{12}$

\*S. Masaki, T. Mito, S. Wada, N. Takeda, D. Kikuchi, H. Sato, H. Sugawara, \*G. -q. Zheng, J. Magn. Magn. Mater., Vol.310 (2007) , e175 - e177

Symmetry of Magnetic Excitons in Two-dimensional Mott Insulators

\*T. Tohyama☒, J. Magn. Magn. Mater., Vol.310 (2007) , e255 - e257

Magnetic Phase Diagram of The Quasi-Two-Dimensional  $S=1$  Antiferromagnet  $\text{F}_2\text{PNNNO}$

\*H. Tsujii, B. Andraka, Y. Hosokoshi, K. Inoue, Y. Takano, J. Magn. Magn. Mater., Vol.310 (2007) , e415 - e417

Magnetic Properties of a Spin-1 Ladder Under Pressure

\*Y. Hosokoshi☒, Y. Konishi, S. Nishihara, K. Inoue , J. Magn. Magn. Mater., Vol.310 (2007) , e420 - e422

Highly Anisotropic Magnetic Phase Diagram of a 2-dimensional Orthogonal Dimer System  $\text{TmB}_4$

\*F. Iga, A. Shigekawa, Y. Hasegawa, S. Michimura, T. Takabatake, S. Yoshii, T. Yamamoto, M. Hagiwara, K. Kindo, J. Magn. Magn. Mater., Vol.310 (2007) , e443 - e445

Magnetic-Field Induced Ferromagnetism as the Origin for the Colossal Magneto-Resistance in  $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$

Y. Shiotani, J. S. Gardner, J. L. Sarrao, \*G. -q. Zheng, J. Magn. Magn. Mater., Vol.310 (2007) , e661 - e663

### Neutron Diffraction under 30 T Pulsed Magnetic Fields

\*K. Ohoyama, N. Katoh, H. Nojiri, Y. H. Matsuda, H. Hiraka, K. Ikeda, H. M. Shimizu, J. Magn. Magn. Mater., Vol.310 (2007) , e974 - e976

### High Field ESR Studies of Layered Manganese Oxides $A_4Mn_3O_{10}$ (A=Ba, Sr)

\*N. Souda, W. Zhang, T. Sakurai, S. Okubo, H. Ohta, K. Nishimura, H. Sakurai, K. Yoshimura, E. Takayama-Muromachi, J. Magn. Magn. Mater. , Vol.310 (2007) , 1829 - 1831

### Anomalous ESR Behavior in Charge-ordered Insulator $Na_{0.5}CoO_2$

T. Sakurai, S. Takano, \*H. Ohta, H. Sakurai, E. Takayama-Muromachi, J. Magn. Magn. Mater. , Vol.310 (2007) , e275 - e277

### An Intrinsic Bond-Centered Electronic Glass with Unidirectional Domains in Underdoped Cuprates

\*Y. Kohsaka, C. Taylor, K. Fujita, A. Schmidt, C. Lupien, T. Hanaguri, M. Azuma, M. Takano, H. Eisaki, H. Takagi, S. Uchida, J. C. Davis, Science, Vol.315 (2007) , 1380 - 1385

### Development and Applications of High Frequency ESR up to 55 T

\*H. Ohta, S. Okubo, N. Souda, M. Tomoo, T. Sakurai, T. Yoshida, E. Ohmichi, M. Fujisawa, H. Tanaka, R. Kato, Appl. Magn. Reson., Vol.35 (2007) , 399 - 410

### Magnetic Susceptibility at High Fields of $Pb_2V_3O_9$

\*T. Waki, N. Tsujii, Y. Itoh, C. Michioka, K. Yoshimura, O. Suzuki, H. Kitazawa, G. Kido, Physica, B, Vol.398 (2007) , 148 - 150

### Magneto-Quantum Transport in $Al_xGa_{1-x}As_ySb_{1-y}/InAs$ Quantum Wells

\*S. Ishida, A. Fujimoto, S. Tamiya, K. Oto, A. Okamoto, I. Shibusaki, Phys. Status Solidi C, Vol.4 (2007) , 325 - 328

### High-field Superconducting Phase Diagram of Carbon-substituted $MgB_2$ Single Crystals

\*E. Ohmichi , Physica C, Vol.456 (2007) , 117 - 125

### Hybrid Molecular Material Exhibiting Single -Molecule Magnet Behavior and Molecular Conductivity

H. Hiraga, \*H. Miyasaka, K. Nakata, T. Kajiwara, S. Takaishi, Y. Oshima, H. Nojiri, M. Yamashita , Inorg. Chem., Vol.46 (2007) , 9661 - 9671

### In-Plane Anisotropy of the Resistivity in $YBa_2Cu_3O_{7-\delta}$ Single Crystals with Various Doping Conditions

\*T. Naito, H. Iwasaki, T. Nishizaki, N. Kobayashi , Physica C, Vol.460-462 (2007) , 1196 - 1197

### Vortex Phase Diagram in Heavy Ion Irradiated Untwinned $YBa_2Cu_3O_y$ Single Crystals

\*N. Kobayashi, T. Nishizaki, K. Kasuga, S. Okayasu, Physica C, Vol.460-462 (2007) , 1204 - 1205



Distributed Injection of Transient Vortex States in a Prism-Shaped  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$  Crystal

\*B. Kalisky, A. Shaulov, Y. Myasoedov, E. Zeldov, T. Tamegai, Y. Yeshurun, Physica C, Vol.460-462 (2007) , 1210 - 1212

Ratchet without Spatial Asymmetry: Controlling the Motion of Magnetic Flux Quanta using Time-Asymmetric Drives

\*S. J. Bending, D. Cole, S. Savel'ev, F. Nori, T. Tamegai, Physica C, Vol.460-462 (2007) , 1266 - 1267

STM Studies on Structural Modulation and Two-Phase Microstructures in Pb-Doped Bi2201 Single Crystals

\*T. Nishizaki, K. Kudo, N. Okumura, N. Kobayashi, Physica C, Vol.460-462 (2007) , 156 - 157

Energy Gap and Surface Structure of Superconducting Diamond Films Probed by Scanning Tunneling Microscopy

\*T. Nishizaki, Y. Takano, M. Nagao, T. Takenouchi, H. Kawarada, N. Kobayashi, Physica C, Vol.460-462 (2007) , 210 - 211

Vortex Phase Diagram Near the Lower Critical Point in Untwinned  $\text{YBa}_2\text{Cu}_3\text{O}_y$  Single Crystals

\*T. Nishizaki, K. Shibata, N. Kobayashi, Physica C, Vol.460-462 (2007) , 281 - 284

Double Transition in  $\text{PrOs}_4\text{Sb}_{12}$  Probed by Local Magnetization Measurements using Hall Probe Array

\*S. Kasahara, K. Hirata, T. Tamegai, H. Sugawara, D. Kikuchi, H. Sato, Physica C, Vol.460-462 (2007) , 696 - 697

Anisotropic Superconductivity in  $\text{Lu}_2\text{Fe}_3\text{Si}_5$

\*T. Tamegai, T. Nakagawa, M. Tokunaga, Physica C, Vol.460-462 (2007) , 708 - 709

Magneto-optical Imaging of Vortex Lensing in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+y}$

\*T. Tamegai, H. Chiku, M. Tokunaga, Physica C, Vol.460-462 (2007) , 791 - 792

Sub-meV Resolution Photoemission Study on Carbon Substituted  $\text{MgB}_2$

\*S. Tsuda, T. Yokoya, T. Kiss, T. Shimojima, S. Shin, T. Togashi, S. Watanabe, C. Q. Zhang, C. T. Chen, S. Lee, H. Uchiyama, S. Tajima, N. Nakai, K. Machida, Physica C, Vol.460-462 (2007) , 80 - 83

STM Studies on the Electronic State of the Overdoped Bi2201

\*K. Kudo, T. Nishizaki, N. Okumura, N. Kobayashi, Physica C, Vol.460-462 (2007) , 948 - 949

Competition between Lensing and Dome Formation of Vortices in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+y}$

\*T. Tamegai, H. Chiku, M. Tokunaga, Physica C, Vol.463-465 (2007) , 245 - 250

Electronic Thermal Conductivity in a Superconducting Vortex State

\*H. Adachi, P. Miranovic, M. Ichioka, K. Machida, Physica C, Vol.463-465 (2007) , 36 - 39

STM Studies on the Hole Doping Dependence of the Hidden Order in Pb-Doped Bi2201

\*K. Kudo, T. Nishizaki, N. Okumura, N. Kobayashi, Physica C, Vol.463-465 (2007) , 40 - 43

Positive Local Magnetization in the Superconducting State of PrOs<sub>4</sub>Sb<sub>12</sub>

\*S. Kasahara, K. Hirata, T. Tamegai, H. Sugawara, D. Kikuchi, H. Sato, Physica C, Vol.463-465 (2007) , 71 - 75

Anisotropic Superconducting Properties in Sc<sub>5</sub>Ir<sub>4</sub>Si<sub>10</sub>

G. J. Li, M. Miura, Z. X. Shi, \*T. Tamegai, Physica C, Vol.463-465 (2007) , 76 - 79

Magnetic Anisotropy in an Oxo-Centered {Mn<sub>3</sub>O}- Type Spin Triangle

Z. H. Jang, K. H. Han, \*B. J. Suh, D. Ii, D. Y. Jung, K. -Y. Choi, H. Nojiri, J. Kor. Phys. Soc., Vol.50 (2007) , 464 - 469

Origin and Control of High-temperature Ferromagnetism in Semiconductors

\*S. Kuroda, N. Nishizawa, K. Takita, M. Mitome, Y. Bando, K. Osuch, T. Dietl, Nat. Mat., Vol.6 (2007) , 440 - 446

Ferroelectric Polarization and Magnetic Structure in Eu<sub>0.595</sub>Y<sub>0.405</sub>MnO<sub>3</sub>

\*R. Kajimoto, T. Yokoo, M. Kofu, K. Noda, H. Kuwahara, J. Phys. Chem. Solids., Vol.68 (2007) , 2087 - 2090

Impurity-induced Magnetic Order in the Mixture of Two Spin Gap Systems (CH<sub>3</sub>)<sub>2</sub>CHNH<sub>3</sub>CuCl<sub>3</sub> and (CH<sub>3</sub>)<sub>2</sub>CHNH<sub>3</sub>CuBr<sub>3</sub>

K. Kanada, T. Saito, A. Oosawa, \*T. Goto, T. Suzuki, H. Manaka, J. Phys. Chem. Solids, Vol.68 (2007) , 2191 - 2194

Dilution Effects on Orbital Order in Strongly Correlated Electron Systems

\*S. Ishihara, T. Tanaka, M. Matsumoto, J. Mol Struct. , Vol.838 (2007) , 216 - 219

Metamagnetic Transition to Poor Conductor in BaVS<sub>3</sub>

\*Y. Narumi, K. Suga, K. Kindo, T. Yamasaki, M. Shiga, H. Nakamura, J. Phys. Soc. Jpn., Vol.76 (2007) 013706, 1 - 4

Vortex State in a Fulde-Ferrell-Larkin-Ovchinnikov Superconductor Based on Quasiclassical Theory

\*M. Ichioka, H. Adachi, T. Mizushima, K. Machida, Phys. Rev. B, Vol.76 (2007) 014503, 1 - 10

Interplay between Fermi Surface Topology and Ordering in URu<sub>2</sub>Si<sub>2</sub> Revealed through Abrupt Hall Coefficient Changes in Strong Magnetic Fields

Y. S. Oh, \*K. H. Kim, P. A. Sharma, N. Harrison, H. Amitsuka, J. A. Mydosh, Phys. Rev. Lett., Vol.98 (2007) 016401, 1

- 4

Spatiotemporal Vortex Matter Oscillations in Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+δ</sub> Crystals

\*B. Kalisky, M. Gitterman, B. Ya. Shapiro, I. Shapiro, A. Shaulov, Y. Yeshurun, T. Tamegai, Phys. Rev. Lett., Vol.98

(2007) 017001, 1 - 4

Interlayer Magnetoresistance of Quasi-One-Dimensional Layered Organic Conductors

\*W. Kang, T. Osada, Y. J. Jo, H. Kang, Phys. Rev. Lett., Vol.99 (2007) 017002, 1 - 4

Evidence for Point Nodes in the Superconducting Gap Function in the Filled Skutterudite Heavy-Fermion Compound

PrOs<sub>4</sub>Sb<sub>12</sub>: <sup>123</sup>Sb-NQR Study under Pressure

K. Katayama, S. Kawasaki, M. Nishiyama, H. Sugawara, D. Kikuchi, H. Sato, \*G.-q. Zheng, J. Phys. Soc. Jpn., Vol.76

(2007) 023701, 1 - 4

Universal Scaling in the Dynamical Conductivity of Heavy Fermion Ce and Yb Compounds

\*H. Okamura, T. Watanabe, M. Matsunami, T. Nishihara, N. Tsujii, T. Ebihara, H. Sugawara, H. Sato, Y. Onuki, Y. Isikawa,

T. Takabatake, T. Nanba, J. Phys. Soc. Jpn., Vol.76 (2007) 023703, 1 - 5

NMR Study of the Vortex Slush Phase in Organic Superconductor κ-(BEDT-TTF)<sub>2</sub>Cu(NCS)<sub>2</sub>

M. Urano, J. Tonishi, H. Inoue, T. Saito, T. Fujiwara, H. Chiku, A. Oosawa, \*T. Goto, T. Suzuki, T. Sasaki, N. Kobayashi, S.

Awaji, K. Watanabe, Phys. Rev. B, Vol.76 (2007) 024505, 1 - 4

Magnetization Process in GdB<sub>4</sub>

\*A. Kikkawa, K. Katsumata, Y. Narumi, K. Suga, T. Fukui, T. Sugaya, K. Kindo, F. Iga, S. Michimura, J. Phys. Soc. Jpn.,

Vol.76 (2007) 024711, 1 - 4

Electron Spin-resonance Studies of Conduction Electrons in Phosphorus-doped Silicon Nanocrystals

K. Sumida, K. Ninomiya, M. Fujii, K. Fujio, S. Hayashi, M. Kodama, \*H. Ohta, J. Appl. Phys., Vol.101 (2007) 033504, 1

- 5

No-Evidence for “Small-Moment Antiferromagnetism” under Ambient Pressure in URu<sub>2</sub>Si<sub>2</sub>: Single-Crystal <sup>29</sup>Si NMR Study

S. Takagi, S. Ishihara, S. Saitoh, H. Sasaki, H. Tanida, M. Yokoyama, H. Amitsuka, J. Phys. Soc. Jpn., Vol.76 (2007)

033708, 1 - 4

High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in YbInCu<sub>4</sub>

\*Y. H. Matsuda, T. Inami, K. Ohwada, Y. Murata, H. Nojiri, Y. Murakami, H. Ohta, W. Zhang, K. Yoshimura, J. Phys. Soc.

Jpn., Vol.76 (2007) 034702, 1 - 6

Successive Magnetic Transitions of the Kagome Staircase Compound Co<sub>3</sub>V<sub>2</sub>O<sub>8</sub> Studied in Various Magnetic Fields

Y. Yasui, Y. Kobayashi, M. Soda, T. Moyoshi, M. Sato, N. Igawa, \*K. Kakurai, J. Phys. Soc. Jpn., Vol.76 (2007) 034706, 1

- 8

Infrared Study of The Valence Transition Compound YbInCu<sub>4</sub> using Cleaved Surfaces

\*H. Okamura, T. Michizawa, T. Nanba, T. Ebihara, Phys. Rev. B, Vol.75 (2007) 041101, 1 - 4

Lattice Deformations Induced by an Applied Magnetic Field in the Frustrated Antiferromagnet HgCr<sub>2</sub>O<sub>4</sub>

Y. Tanaka, \*Y. Narumi, N. Terada, K. Katsumata, H. Ueda, U. Staub, K. Kindo, T. Fukui, T. Yamamoto, R. Kammuri, M. Hagiwara, A. Kikkawa, Y. Ueda, H. Toyokawa, T. Ishikawa, H. Kitamura, J. Phys. Soc. Jpn. , Vol.76 (2007) 043708, 1 - 4

Observation of Symmetry Lowering Associated with the Metal-Insulator Transition in SmRu<sub>4</sub>P<sub>12</sub> by <sup>101</sup>Ru-NQR

S. Masaki, T. Mito, M. Takemura, S. Wada, H. Harima, D. Kikuchi, H. Sato, H. Sugawara, N. Takeda, \*G. -q. Zheng, J. Phys. Soc. Jpn. , Vol.76 (2007) 043714, 1 - 4

Magnetic and Superconducting Properties of LaIrSi<sub>3</sub> and CeIrSi<sub>3</sub> with the Non-centrosymmetric Crystal Structure

Y. Okuda, Y. Miyauchi, Y. Ida, Y. Takeda, C. Tonohiro, Y. Oduchi, T. Yamada, N. D. Dung, T. D. Matsuda, Y. Haga, T. Takeuchi, \*M. Hagiwara, K. Kindo, H. Harima, K. Sugiyama, R. Settai, Y. Onuki, J. Phys. Soc. Jpn. , Vol.76 (2007) 044708 1 - 11

Spin Triplet Superconducting State due to Broken Inversion Symmetry in Li<sub>2</sub>Pt<sub>3</sub>B

M. Nishiyama, Y. Inada, \*G. -q. Zheng, Phys. Rev. Lett., Vol.98 (2007) 047002 , 1 - 4

Nodal Structures of Heavy Fermion Superconductors Probed by the Specific-Heat Measurements in Magnetic Fields

\*T. Sakakibara, A. Yamada, J. Custers, K. Yano, T. Tayama, H. Aoki, K. Machida, J. Phys. Soc. Jpn, Vol.76 (2007) 051004, 1 - 11

Elliptical Hole Pockets in the Fermi Surfaces of Unhydrated and Hydrated Sodium Cobalt Oxides

\*J. Laverock, S. B. Dugdale, J. A. Duffy, J. Wooldridge, G. Balakrishnan, M. R. Lees, G. -q. Zheng, D. Chen, C. T. Lin, A. Andrejczuk, M. Itou, Y. Sakurai, Phys. Rev. B, Vol.76 (2007) 052509, 1 - 4

Anomalous Ferromagnetic Behavior and Large Magnetoresistance induced by Orbital Fluctuation in Heavily Doped Nd<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub> (0.57 < x < 0.75)

\*D. Akahoshi, R. Hatakeyama, M. Nagao, T. Asaka, Y. Matsui, H. Kuwahara, Phys. Rev. B, Vol.77 (2007) 054404, 1 - 5

Fermi Surface and Superconductivity in Noncentrosymmetric CeRhSi<sub>3</sub>

\*T. Terashima, T. Yamaguchi, T. Matsumoto, S. Uji, N. Kimura, H. Aoki, H. Harima, Phys. Rev. B, Vol.76 (2007) 054506, 1 - 5

Fermi Surface of CeIn<sub>3</sub> above the Neel Critical Field

\*N. Harrison, S. E. Sebastian, C. H. Mielke, A. Paris, M. J. Gordon, C. A. Swenson, D. G. Rickel, M. D. Pacheco, P. F. Ruminer, J. B. Schillig, A. H. Lacerda, M. -T. Suzuki, H. Harima, T. Ebihara , Phys. Rev. Lett., Vol.99 (2007) 056401, 1 - 4

Local Tunneling Spectroscopy across a Metamagnetic Critical Point in the Bilayer Ruthenate Sr<sub>3</sub>Ru<sub>2</sub>O<sub>7</sub>

\*K. Iwaya, S. Satow, T. Hanaguri, N. Shannon, Y. Yoshida, S. I. Ikeda, J. P. He, Y. Kaneko, Y. Tokura, T. Yamada, H. Takagi, Phys. Rev. Lett., Vol.99 (2007) 057208, 1 - 4

Wilson-Like Real-Space Renormalization Group and Low-Energy Effective Spectrum of the XXZ Chain in the Critical Regime

\*K. Okunishi, J. Phys. Soc. Jpn., Vol.76 (2007) 063001, 1 - 4

Thermodynamic Properties and Elementary Excitations in Quantum Sine-Gordon Spin System  $\text{KCuGaF}_6$

R. Morisaki, T. Ono, \*H. Tanaka, H. Nojiri, J. Phys. Soc. Jpn., Vol.76 (2007) 063706, 1 - 4

Vortex States in Superconductors with Strong Pauli-Paramagnetic Effect

\*M. Ichioka, K. Machida, Phys. Rev. B, Vol.76 (2007) 064502, 1 - 7

Magnetic Properties and Crystalline Electric Field Scheme in  $\text{RRhIn}_5$  (R: Rare Earth)

N. V. Hieu, \*T. Takeuchi, H. Shishido, C. Tonohiro, T. Yamada, H. Nakashima, K. Sugiyama, R. Settai, T. D. Matsuda, Y. Haga, M. Hagiwara, K. Kindo, S. Araki, Y. Nozue, Y. Onuki, J. Phys. Soc. Jpn., Vol.76 (2007) 064702, 1 - 16

Magneto-Optical Four-Wave-Mixing Studies of an Exciton–Biexciton System in a  $\text{CdMnTe/CdTe/CdMgTe}$  Single Quantum Well

\*H. Mino, A. Kobayashi, G. Karczewski, T. Wojtowicz, J. Kossut, S. Takeyama, J. Phys. Soc. Jpn., Vol.76 (2007) 064704, 1 - 6

NMR Evidence for Field-induced Magnetic Ordering at 30 T in the Haldane Compound  $\text{PbNi}_2\text{V}_2\text{O}_8$

\*K. Hashi, N. Tsujii, T. Shimizu, A. Goto, S. Ohki, H. Kitazawa, J. Phys. Soc. Jpn., Vol.76 (2007) 064705, 1 - 4

$^1\text{H}$ -NMR Study on the Magnetic Order in the Mixture of Two Spin Gap Systems  $(\text{CH}_3)_2\text{CHNH}_3\text{CuCl}_3$  and  $(\text{CH}_3)_2\text{CHNH}_3\text{CuBr}_3$

\*K. Kanada, T. Saito, A. Oosawa, T. Goto, T. Suzuki, J. Phys. Soc. Jpn., Vol.76 (2007) 064706, 1 - 3

Quasi-Classical Calculation of the Mixed-State Thermal Conductivity in s- and d-Wave Superconductors

\*H. Adachi, P. Miranovic, M. Ichioka, K. Machida, J. Phys. Soc. Jpn., Vol.76 (2007) 064708, 1 - 7

Development of High-Pressure, High-field and Multifrequency Electron Spin Resonance System

\*T. Sakurai, A. Taketani, T. Tomita, S. Okubo, H. Ohta, Y. Uwatoko, Rev. Sci. Inst., Vol.78 (2007) 065107, 1 - 6

The Effect of Randomness on the Quantum Spin System  $\text{Tl}_{1-x}\text{K}_x\text{CuCl}_3$  with  $x=0.44$  Studied by the Zero-Field Muon-Spin-Relaxation (ZF- $\mu\text{SR}$ )

\*T. Suzuki, F. Yamada, I. Watanabe, T. Goto, A. Oosawa, H. Tanaka, J. Phys. Soc. Jpn., Vol.76 (2007) 074704, 1 - 5

$^1\text{H}$ -NMR Study of the Random Bond Effect in the Quantum Spin System  $(\text{CH}_3)_2\text{CHNH}_3\text{Cu}(\text{Cl}_x\text{Br}_{1-x})_3$

\*T. Adachi, K. Kanada, T. Saoto, A. Oosawa, T. Goto, J. Phys. Soc. Jpn., Vol.76 (2007) 083701, 1 - 4

Photoinduced Charge and Spin Dynamics in Strongly Correlated Electron Systems

\*H. Matsueda, S. Ishihara, J. Phys. Soc. Jpn., Vol.76 (2007) 083703, 1 - 4

High-Field Magnetic Torque Measurement in the Spin Gap System  $(\text{CH}_3)_2\text{CHNH}_3\text{CuCl}_3$

T. Saito, T. Sakaki, T. Suzuki, A. Oosawa, \*T. Goto, S. Awaji, K. Watanabe, N. Kobayashi, J. Phys. Soc. Jpn., Vol.76 (2007) 084708, 1 - 7

Phase Transitions of a Geometrically Frustrated Spin System  $\text{CdCr}_2\text{O}_4$  in Very High Magnetic Fields

\*H. Mitamura, H. Ueda, H. A. Katori, S. Takeyama, T. Sakakibara, Y. Ueda, H. Takagi, J. Phys. Soc. Jpn., Vol.76 (2007) 085001, 1 - 2

Dynamic and Thermodynamic Properties of Porous Vortex Matter in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$  in an Oblique Magnetic Field

\*N. Avraham, Y. Y. Goldschmidt, J. T. Liu, Y. Myasoedov, M. Rappaport, E. Zeldov, C. J. van der Beek, M. Konczykowski, T. Tamegai, Phys. Rev. Lett., Vol.99 (2007) 087001, 1 - 4

Field Induced Order-Disorder Transition in Antiferromagnetic  $\text{BaCo}_2\text{V}_2\text{O}_8$  Driven by a Softening of Spinon Excitation

\*S. Kimura, H. Yashiro, K. Okunishi, M. Hagiwara, Z. He, K. Kindo, T. Taniyama, M. Itoh, Phys. Rev. Lett., Vol.99 (2007) 087602, 1 - 4

Spin-Reorientation Transition of Field-Induced Magnetic Ordering Phases in the Anisotropic Haldane System

H. Miyazaki, T. Hiwasa, M. Oko, \*I. Harada, J. Phys. Soc. Jpn., Vol.75 (2007) 094708, 1 - 8

Pressure Dependence of the Superconducting Transition and Electron Correlations in  $\text{Na}_x\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$

E. Kusano, S. Kawasaki, K. Matano, \*G.-q. Zheng, R. L. Meng, J. Cmaidalka, C. W. Chu, Phys. Rev. B, Vol.76 (2007) 100506, 1 - 4

Novel Spin Excitations in the Field-Induced Phase of the Haldane Magnet  $\text{Ni}(\text{C}_5\text{H}_{14}\text{N}_2)_2\text{N}_3(\text{PF}_6)$

\*T. Kashiwagi, M. Hagiwara, S. Kimura, Z. Honda, K. Kindo, J. Phys. Soc. Jpn., Vol.76 (2007) 103703, 1 - 4

Diffuse Phase Transition and Anisotropic Evolution of Nanodomains in  $\text{Nd}_{0.2}\text{Sr}_{0.8}\text{MnO}_3$

\*M. Nagao, T. Asaka, T. Nagai, D. Akahoshi, R. Hatakeyama, T. Yokosawa, M. Tanaka, H. Yoshikawa, A. Yamazaki, K. Kimoto, H. Kuwahara, Y. Matsui, J. Phys. Soc. Jpn., Vol.76 (2007) 103706, 1 - 4

Imbalanced Superfluid Phase of a Trapped Fermi Gas in the BCS-BEC Crossover Regime

\*T. Mizushima, M. Ichioka, K. Machida, J. Phys. Soc. Jpn., Vol.76 (2007) 104006, 1 - 15

Spiral Spin Structure in a Heisenberg Pyrochlore Magnet  $\text{CdCr}_2\text{O}_4$

\*M. Matsuda, M. Takeda, M. Nakamura, K. Kakurai, A. Oosawa, E. Lelièvre-Berna, J.-H. Chung, H. Ueda, H. Takagi, S.-H. Lee, Phys. Rev. B, Vol.75 (2007) 104415, 1 - 6

Spin-density Distribution in the Partially Magnetized Organic Quantum Magnet  $F_2PNNNO$

A. Zheludev, V. O. Garlea, S. Nishihara, \*Y. Hosokoshi, A. Cousson, A. Gukasov, K. Inoue, Phys. Rev. B., Vol.75 (2007) 104427, 1 - 4

Dynamic Order-to-Metastable-Disorder Vortex Matter Transition in  $Bi_2Sr_2CaCu_2O_{8+\delta}$

\*B. Kalisky, Y. Myasoedov, A. Shaulov, T. Tamegai, E. Zeldov, Y. Yeshurun, Phys. Rev. Lett., Vol.98 (2007) 107001, 1 - 4

Direct Observation of Field-Induced Variant Transformation in  $Fe_3Pt$  using Pulsed Magnetic Field X-ray Diffraction

Z. W. Ouyang, \*Y. H. Matsuda, H. Nojiri, T. Inami, K. Ohwada, M. Tsubota, T. Sakon, T. Fukuda, T. Kakeshita, J. Appl. Phys., Vol.102 (2007) 113917, 1 - 6

Anomalous Reflectivity Oscillation of Layered Manganite  $La_{0.5}Sr_{1.5}MnO_4$

\*K. Kouyama, Y. Kubo, K. Ema, H. Kuwahara, J. Phys. Soc. Jpn., Vol.76 (2007) 123702, 1 - 3

Low Energy Excitations in the Mixed State of the Anisotropic s-Wave Superconductor  $CeRu_2$

A. Yamada, \*T. Sakakibara, J. Custers, M. Hedo, Y. Onuki, P. Miranovic, K. Machida, J. Phys. Soc. Jpn., Vol.76 (2007) 123704, 1 - 4

Exotic Finite-Temperature Phase Diagram for Weakly Coupled  $S = 1/2$  XXZ Chain in a Magnetic Field

\*T. Suzuki, N. Kawashima, K. Okunishi, J. Phys. Soc. Jpn., Vol.76 (2007) 123707, 1 - 4

Triangular Lattice Antiferromagnet  $RbFe(MoO_4)_2$  in High Magnetic Fields

\*A. I. Smirnov, H. Yashiro, S. Kimura, M. Hagiwara, Y. Narumi, K. Kindo, A. Kikkawa, K. Katsumata, A. Y. Shapiro, L. N. Demianets, Phys. Rev. B, Vol.75 (2007) 134412, 1 - 7

Pauli Paramagnetic Effects on Vortices in Superconducting  $TmNi_2B_2C$

L. DeBeer-Schmitt, \*M. R. Eskildsen, M. Ichioka, K. Machida, N. Jenkins, C. D. Dewhurst, A. B. Abrahamsen, S. L. Bud'ko, P. C. Canfield, Phys. Rev. Lett., Vol.99 (2007) 167001, 1 - 4

Interplay of Anisotropy and Disorder in the Doping-Dependent Melting and Glass Transitions of Vortices in  $Bi_2Sr_2CaCu_2O_{8+\delta}$

\*H. Beidenkopf, T. Verdene, Y. Myasoedov, H. Shtrikman, E. Zeldov, B. Rosenstein, D. Li, T. Tamegai, Phys. Rev. Lett., Vol.98 (2007) 167004, 1 - 4

Filling Dependence of the Zigzag Hubbard Ladder for the Quasi-One-Dimensional Superconductor  $Pr_2Ba_4Cu_7O_{15-\delta}$

\*K. Okunishi, Phys. Rev. B, Vol.75 (2007) 174514, 1 - 5

Extremely High Upper Critical Magnetic Field of the Noncentrosymmetric Heavy Fermion Superconductor  $CeRhSi_3$

\*N. Kimura, K. Ito, H. Aoki, S. Uji, T. Terashima, Phys. Rev. Lett., Vol.98 (2007) 197001, 1 - 4

High-field Moment Reorientation in  $\text{Er}_2\text{Co}_{17}$

\*S. Yoshii, M. Hagiwara, F. R. de Boer, H. Z. Luo, G. H. Wu, F. M. Yang, K. Kindo, Phys. Rev. B, Vol.75 (2007) 214429, 1 - 6

Electric Polarization, Magnetoelectric Effect, and Orbital State of a Layered Iron Oxide with Frustrated Geometry

\*A. Nagano, M. Naka, J. Nasu, S. Ishihara, Phys. Rev. Lett., Vol.99 (2007) 217202, 1 - 4

Magnetic Excitation of  $S=1/2$  Antiferromagnetic Spin Chain Cu Benzoate in High Magnetic Fields

H. Nojiri, Y. Ajiro, T. Asano, J. P. Boucher, New J. Phys., Vol.8 (2007) 218, 1 - 17

Ferromagnetism in Zinc Sulfide Nanocrystals: Dependence on Manganese Concentration

\*I. Sarkar, M. K. Sanyal, S. Kar, S. Biswas, S. Banerjee, S. Chaudhuri, S. Takeyama, H. Mino, F. Komori, Phys. Rev. B., Vol.75 (2007) 224409, 1 - 5

Correlation Between Crystal Structure and Magnetism in the Frustrated Antiferromagnet  $\text{CuFeO}_2$  under High Magnetic Fields

N. Terada, \*Y. Narumi, Y. Sawai, K. Katsumata, U. Staub, Y. Tanaka, A. Kikkawa, T. Fukui, K. Kindo, T. Yamamoto, R. Kammuri, M. Hagiwara, H. Toyokawa, T. Ishikawa, H. Kitamura, Phys. Rev. B, Vol.75 (2007) 224411, 1 - 8

Field-Induced Incommensurate Order for the Quasi-One-Dimensional XXZ Model in a Magnetic Field

\*K. Okunishi, T. Suzuki, Phys. Rev. B, Vol.76 (2007) 224411, 1 - 5

Dilution Effects in Two-Dimensional Quantum Orbital System

\*T. Tanaka, S. Ishihara, Phys. Rev. Lett., Vol.98 (2007) 256402, 1 - 4

Electron Spin Resonance in a GaN Thin Film Doped with Fe

T. Kashiwagi, S. Sonoda, H. Yashiro, Y. Ishihara, A. Usui, Y. Akasaka, \*M. Hagiwara, J. Appl. Phys., Vol.46 (2007) 257202, 581 - 585

Spinor Dipolar Bose-Einstein Condensates: Classical Spin Approach

\*M. Takahashi, S. Ghosh, T. Mizushima, K. Machida, Phys. Rev. Lett., Vol.98 (2007) 260403, 1 - 4

Reduction of Kondo Lattice Effects in  $\text{Yb}_{1-x}\text{Lu}_x\text{Al}_3$  Observed by Soft X-ray Photoelectron Spectroscopy

\*J. Yamaguchi, A. Sekiyama, S. Imada, A. Yamasaki, M. Tsunekawa, T. Muro, T. Ebihara, Y. Onuki, S. Suga, New J. Phys., Vol.9 (2007) 317, 1 - 10

Evidence for Carrier-Induced High- $T_c$  Ferromagnetism in Mn-doped GaN Film

S. Yoshii, S. Sonoda, T. Yamamoto, T. Kashiwagi, M. Hagiwara, Y. Yamamoto, Y. Akasaka, K. Kindo, \*H. Hori, Europhys. Lett., Vol.78 (2007) 37006, 1 - 4



Nanostructural Evidence at the Phase Boundary of A- and C-Type Antiferromagnetic Phases in  $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$  Crystals

\*M. Nagao, T. Asaka, D. Akahoshi, R. Hatakeyama, T. Nagai, M Saito, K.Watanabe, M. Tanaka, A. Yamazaki, T. Hara, K. Kimoto, H. Kuwahara, Y. Matsui, J. Phys.: Condens. Matter., Vol.19 (2007) 492201, 1 - 7

Magnetism in PrPdSn and NdPdSn Studied on Single Crystals

\*M. Mihalik, H. Kitazawa, M. Vivis, V. Sechovsk, Int. J. Mater. Res., Vol.100 (2008) , 1190 - 1192

Multi-Frequency and High-Field EPR Study of Manganese(III) Protoporphyrin IX Reconstituted Myoglobin with an S=2 Integer Electron Spin

M. Horitani, H. Yashiro, M. Hagiwara, \*H. Hori, J. Inorg. Biochem., Vol.102 (2008) , 781 - 788

Theory of Chemical Bonds in Metalloenzymes. VII. Hybrid-Density Functional Theory Studies on the Electronic Structures of P450

\*M. Shoji, H. Isobe, T. Saito, H. Yabushita, K. Koizumi, Y. Kitagawa, S. Yamanaka, T. Kawakami, M. Okumura, M. Hagiwara, K. Yamaguchi, Int. J. Quantum Chem., Vol.108 (2008) , 631 - 650

Magnetic Field Effect on a Radical Pair Reaction as a Probe of Microviscosity

A. Hamasaki, T. Yago, \*M. Wakasa, J. Phys. Chem. B, Vol.112 (2008) , 14185 - 14192

Development of High-resolution Electron Spin Resonance Method in the Millimeter Wave Region using a Cantilever

\*E. Ohmichi, N. Mizuno, M. Kimata, H. Ohta, J. Jpn. Soc. Infrared Science & Technology, Vol.17 (2008) , 30 - 33

Magnetic Field Effects Due to The Relaxation Mechanism Observed for The Photo-Induced Electron Transfer Reaction of Zinc(II) Tetraphenylporphyrin and 2-Methyl-1,4-Naphthoquinone

M. Gohdo, Y. Kitahama, Y. Sakaguchi, \*M. Wakasa, J. Photochem. Photobiol., A, Vol.199 (2008) , 130 - 135

Exchange Coupling and Energy-Level Crossing in a Magnetic Chain [DyCu] Evaluated by High-Frequency Electron Paramagnetic Resonance

A. Okazawa, T. Nogami, \*H. Nojiri, T. Ishida, Chem. Mater., Vol.20 (2008) , 3110 - 3119

Experimental Presentation of Microwave Absorption due to Shaking of JV by AC Magnetic Field in Bi2212 and Bi2223

\*D. Shaltiel, H.-A. Krug von Nidda, B.Y. Shapiro, B. Rosenstein, A. Loidl, B. Bogoslavsky, I. Shapiro, T. Fujii, T. Watanabe, T. Tamegai, J. Supercond. Novel Magn., Vol.22 (2008) , 387 - 399

Synchrotron X-ray Experiments in Pulsed High Magnetic Fields

\*Y. H. Matsuda, Anal. Sci, Vol.24 (2008) , 3 - 10

Low-Magnetoresistance  $\text{RuO}_2\text{-Al}_2\text{O}_3$  Thin-Film Thermometer and its Application

\*Y. Y. Chen, P. C. Chen, C. B. Tsai, K. I. Suga, K. Kindo, Int. J. Thermophys., Vol.30 (2008) , 316 - 324

### Anisotropic Magnetic Properties of $Ce_2Pd_3Si_5$

\*N. D. Dung, Y. Haga, T. D. Matsuda, A. Thamizhavel, Y. Okuda, T. Takeuchi, K. Sugiyama, M. Hagiwara, K. Kindo, R. Settai, Y. Onuki, J. Magn. Magn. Mater., Vol.310 (2008) , 1558 - 1560

### Magnetic Properties of $RRhIn_5$ (R: Rare Earth)

\*N. V. Hieu, H. Shishido, H. Nakashima, K. Sugiyama, R. Settai, S. Araki, Y. Nozue, T. D. Matsuda, Y. Haga, T. Takeuchi, M. Hagiwara, K. Kindo, Y. Onuki, J. Magn. Magn. Mater., Vol.310 (2008) , 1721 - 1723

### Syntheses, Structures, and Magnetic Properties of Manganese–Lanthanide Hexanuclear Complexes

T. Shiga, N. Hoshino, M. Nakano, H. Nojiri, \*H. Oshio, Inorg. Chim. Acta, Vol.361 (2008) , 4113 - 4117

### Thermodynamic Properties of a Spin-1/2 Spin-liquid State in a $\kappa$ -Type Organic Salt

S. Yamashita, \*Y. Nakazawa, M. Oguni, Y. Oshima, H. Nojiri, Y. Shimizu, K. Miyagawa, K. Kanoda, Nat. Phys., Vol.4 (2008) , 459 - 462

### Magneto-Optical Properties of n-type Modulation-doped (Cd,Cr)Te Quantum Well

\*F. Takano, T. Nishizawa, J. W. Lee, S. Kuroda, Y. Imanaka, T. Takamasu, H. Akinaga, Physica E, Vol.40 (2008) , 1166 - 1168

### Transport Properties and Observation of Quantum Hall Effects of $InAs_{0.1}Sb_{0.9}$ thin Layers Sandwiched between $Al_{0.1}In_{0.9}Sb$ Layers

\*I. Shibusaki, H. Geka, S. Ishida, K. Oto, T. Ishihara, T. Yoshida, Microelectron. J., Vol.40 (2008) , 592 - 594

### Magnetism and Crystalline Effect in $RRhIn_5$ (R:rare earth)

\*T. Takeuchi, N. V. Hieu, H. Shishido, C. Tonohiro, T. Yamada, K. Sugiyama, R. Settai, T. D Matsuda, Y. Haga, M. Hagiwara, K. Kindo, S. Araki, Y. Nozue, Y. Onuki, Physica B, Vol.403 (2008) , 1023 - 1025

### Evidence for d-wave Pairing in the Cobalt Oxide Superconductor $Na_xCoO_2 \cdot 1.3H_2O$

\*K. Matano, G. -q. Zheng, D. P. Chen, C. T. Lin, Physica B, Vol.403 (2008) , 1107 - 1108

### NMR Study of a FFLO State of $CeCoIn_5$ in a Perpendicular and a Parallel Field

\*K. Kumagai, T. Oyaizu, Y. Furukawa, H. Shishido, Y. Matsuda, Physica B, Vol.403 (2008) , 1144 - 1146

### Quantum Critical Phenomena of Ferromagnetic $CePt_{1-x}Rh_x$

\*I. Kawasaki, K. Tenya, M. Yokoyama, H. Amitsuka, Physica B, Vol.403 (2008) , 1284 - 1286

### Magnetodielectric Effects in Low-Dimensional Cobalt Oxides

\*M. Akaki, F. Nakamura, D. Akahoshi, H. Kuwahara, Physica B, Vol.403 (2008) , 1505 - 1507

Large Magnetoresistance of Heavily Doped  $\text{Nd}_{1-x}\text{Sr}_x\text{MnO}_3$  ( $0.55 \leq x \leq 0.75$ )

\*D. Akahoshi, R. Hatakeyama, H. Kuwahara, Physica B, Vol.403 (2008) , 1598 - 1600

Breakdown of an Intermediate Plateau in The Magnetization Process of Anisotropic Spin-1 Heisenberg Dimer: Theory vs. Experiment

\*J. Strecka, M. Hagiwara, P. Balaz, M. Jascur, Y. Narumi, S. Kimura, J. Kuchar, K. Kindo, Physica B, Vol.403 (2008) , 3146 - 3153

Hall Effect Signatures of Electronic Structure Change near a Field Induced Quantum Critical Point in  $\text{U}(\text{Ru}_{1-x}\text{Rh}_x)_2\text{Si}_2$

\*K. H. Kim, Y. S. Oh, P.A. Sharma, N. Harrison, H. Amitsuka, J. A. Mydosh, Physica B, Vol.403 (2008) , 721 - 725

Universal Scaling in the Optical Conductivity of Heavy Fermion Compounds

\*H. Okamura, T. Watanabe, M. Matsunami, T. Nishihara, N. Tsujii, T. Ebihara, H. Sugawara, H. Sato, Y. Onuki, Y. Isikawa, M.S. Kim, T. Takabatake, T. Nanba, Physica B, Vol.403 (2008) , 761 - 763

High-field Magnetization of Single Crystals  $\text{CeCu}_2\text{X}_2$  (X=Si and Ge) and  $\text{YbCu}_2\text{Si}_2$

\*K. Sugiyama, T. Miyauchi, Y. Ota, T. Yamada, Y. Oduchi, N. D. Dung, Y. Haga, T. D. Matsuda, M. Hagiwara, K. Kindo, T. Takeuchi, R. Settai, Y. Onuki, Physica B, Vol.403 (2008) , 769 - 771

Dependence of Pressure-Induced Phase Transitions on Pressure-Transmitting Media in the Heavy-Electron Superconductor  $\text{URu}_2\text{Si}_2$

\*H. Amitsuka, K. Matsuda, M. Yokoyama, I. Kawasaki, S. Takayama, Y. Ishihara, K. Tenya, N. Tateiwa, T.C. Kobayashi, H. Yoshizawa, Physica B, Vol.403 (2008) , 925 - 927

Specific Heat Study of Ternary Iron-Silicide Superconductor  $\text{Lu}_2\text{Fe}_3\text{Si}_5$ : Evidence for Two-Gap Superconductivity

\*Y. Nakajima, G. J. Li, T. Tamegai, Physica C, Vol.468 (2008) , 1138 - 1140

Possible Mechanism of Charge Stripe Formation Based on the Ring Exchange Interaction

\*T. Sakai, Physica C, Vol.468 (2008) , 1163 - 1165

Vortex State of Pb-Substituted  $\text{Bi}2201$  Studied by In-Plane Resistivity Measurements

D. Okamoto, \*K. Kudo, N. Okumura, T. Nishizaki, N. Kobayashi, Physica C, Vol.468 (2008) , 1278 - 1280

Magnetic Structure of Superconductor/Ferromagnet Bilayer

\*T. Tamegai, Y. Nakao, Y. Tsuchiya, Y. Nakajima, Physica C, Vol.468 (2008) , 1308 - 1312

Magneto-Optical Observations of Vortices in Anisotropic and Nanostructured Superconductors

\*T. Tamegai, H. Chiku, Y. Tsuchiya, H. Shibusaki, Y. Nakajima, Physica C, Vol.468 (2008) , 531 - 536

Phase Diagram of Interlayer Josephson Vortices in Underdoped YBa<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub>

\*T. Nishizaki, Y. Takahashi, N. Kobayashi, Physica C, Vol.468 (2008) , 664 - 668

Micro-Patterned Organic Electroluminescent Devices

\*Y. Pihosh, I. Turkevych, M. Goto, A. Kasahara, T. Takamasu, M. Tosa, Jpn. J. Appl. Phys., Vol.47 (2008) , 1263 - 1265

Polyoxometalate-Mediated Self-Assembly of Single-Molecule Magnets: {[XW<sub>9</sub>O<sub>34</sub>]<sub>2</sub>[Mn<sup>III</sup><sub>4</sub>Mn<sup>II</sup><sub>2</sub>O<sub>4</sub>(H<sub>2</sub>O)<sub>4</sub>]}<sup>12-</sup>⊗\*\*

C. Ritchie, A. Ferguson, H. Nojiri, H. N. Miras, Y. -F. Song, D. -L. Long, E. Burkholder, \*M. Murrie, P. Kogerler, E. K. Brechin, \*L. Cronin, Angew. Chem. Int. Ed., Vol.47 (2008) , 5609 - 5612

Ferromagnetic Dy-Ni and Antiferromagnetic Dy-Cu Couplings in Single-Molecule Magnets [Dy<sub>2</sub>Ni] and [Dy<sub>2</sub>Cu]

\*A. Okazawa, T. Nogami, H. Nojiri, T. Ishida, Inorg. Chem, Vol.47 (2008) , 9763 - 9765

Determination of Frustrated and Non-Frustrated Magnetic Structures of Hexagonal and Orthorhombic TbPdAl

\*A. Dönni, H. Kitazawa, L. Keller, P. Fischer, P. Javorsky, F. Fauth, M. Zolliker, J. Alloys Compd. , Vol.477 (2008) , 16 - 22

Magnetism in REPdSn (RE = La, Pr, Nd) Compounds: A Single-Crystal Study

\*M. Mihalik, M. Divis, H. Kitazawa, V. Sechovsky, J. Alloys Compd. , Vol.478 (2008) , 1 - 8

Novel Anisotropic Superconductivity in Slicides

\*T. Tamegai, G. J. Li, K. Uozato, T. Nakagawa, Y. Nakajima, J. Korean Phys. Soc. , Vol.53 (2008) , 1046 - 1052

Correlation between Cr Distribution and Ferromagnetism in Iodine-Doped (Zn, Cr)Te

\*N. Nishizawa, K. Ishikawa, S. Kuroda, K. Takita, M. Mitome, Y. Bando, T. Dieth, J. Kor. Phy. Soc., Vol.53 (2008) , 2917 - 2920

Consistent Anisotropic Behaviors Between the Magnetic and the Magneto Optical Properties in Zn<sub>1-x</sub>Co<sub>x</sub>O Thin Films

\*J. W. Lee, S. Kuroda, K. Takita, F. Takano, H. Akibaga, J. Kor. Phy. Soc., Vol.53 (2008) , 309 - 312

High Field ESR Measurements on One Dimensional Antiferromagnetic Zigzag Chain Systems

\*H. Ohta, S. Okubo, K. Shiraki, M. Yoshida, A.A. Belik, M. Azuma, M. Takano, J. Korean Phys. Soc. , Vol.53 (2008) , 999 - 1005

Extremely Long Electron Spin Coherence Induced by a Trion Transition in ZnSe/BeTe Type-II Quantum Wells

\*H. Mino, Y. Kouno, K. Oto, K. Muro, R. Akimoto, S. Takeyama, Phys. Status Solidi C, Vol.6 (2008) , 272 - 275

Spatially Indirect Photoluminescence of ZnSe/BeTe Type II Quantum Wells in Pulsed High Magnetic Fields

\*S. Takeyama, R. Shen, Y. Enya, E. Kojima, H. Mino, R. Akimoto, Phys. Status Solidi C, Vol.6 (2008) , 38 - 41

One-Dimensional Electronic Order in Underdoped Surface of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> Studied by STM

\*T. Nishizaki, M. Maki, N. Kobayashi, J. Phys. Chem. Solids., Vol.69 (2008) , 3014 - 3017

Low-Energy Electronic State of the Structural Modulation-Free Bi<sub>2</sub>Sr<sub>2</sub>CuO<sub>6+δ</sub> Studied by the Scanning Tunneling Microscopy

\*K. Kudo, T. Nishizaki, N. Okumura, N. Kobayashi, J. Phys. Chem. Solids., Vol.69 (2008) , 3022 - 3026

Low-Temperature STM/STS Studies on Boron-doped (111) Diamond Films

\*T. Nishizaki, Y. Takano, M. Nagao, T. Takenouchi, H. Kawarada, N. Kobayashi, J. Phys. Chem. Solids., Vol.69 (2008) , 3027 - 3030

Spectral Function and Dynamical Spin Correlation Function in the t-t'-t''-j Model

\*T. Tohyama, J. Phys. Chem. Solids, Vol.69 (2008) , 3176 - 3180

Polarization Dependence of Resonant Inelastic X-ray Scattering Spectroscopy in Correlated Electron Systems

\*S. Ishihara, S. Ihara, J. Phys. Chem. Solids, Vol.69 (2008) , 3184 - 3186

<sup>31</sup>P-NMR Study in Single Crystal SmRu<sub>4</sub>P<sub>12</sub>

S. Masaki, T. Mito, \*S. Wada, H. Sugawara, D. Kikuchi, H. Sato, M. Takigawa, N. Takeda, G. -q. Zheng, J. Phys. Soc. Jpn, Vol.77 (2008) , 206 - 208

Sb-NQR Study of PrOs<sub>4</sub>Sb<sub>12</sub> under High Pressure

\*S. Kawasaki, K. Katayama, M. Nishiyama, H. Kotegawa, T. C. Kobayashi, H. Sugawara, D. Kikuchi, H. Sato, G. -q. Zheng, J. Phys. Soc. Jpn, Vol.77 (2008) , 330 - 332

Nuclear Spin-Lattice Relaxation in Non-centrosymmetric Superconductors Li<sub>2</sub>(Pd,Pt)<sub>3</sub>B

\*M. Kandatsu, M. Nishiyama, Y. Inada, G. -q. Zheng, J. Phys. Soc. Jpn, Vol.77 (2008) , 348 - 349

Bulk and Local Magnetic Properties of Iron-Based Oxypnictide Superconductor SmFeAsO<sub>1-x</sub>F<sub>x</sub>

\*T. Tamegai, Y. Nakajima, Y. Tsuchiya, A. Iyo, K. Miyazawa, P. M. Shirage, H. Kito, H. Eisaki, J. Phys. Soc. Jpn. Suppl., Vol.77 (2008) , 54 - 57

Pressure-induced Phase Transitions in PrB<sub>6</sub>: Electrical Resistivity Measurements

\*H. Iwakubo, S. Ikeda, Y. Kishino, H. Tanida, M. Sera, F. Iga, Phys. Rev. B, Vol.78 (2008) 012409, 1 - 4

## Magnetic Order and Multipole Interactions in $Ce_xPr_{1-x}B_6$ Solid Solutions

\*J. -M. Mignot, G. André, J. Robert, M. Sera, F. Iga, Phys. Rev. B, Vol.78 (2008) 014415, 1 - 10

## Bulk Electronic Structure of the Antiferromagnetic Superconducting Phase in $ErNi_2B_2C$

\*T. Baba, T. Yokoya, S. Tsuda, T. Kiss, T. Shimojima, K. Ishizaka, H. Takeya, K. Hirata, T. Watanabe, M. Nohara, H. Takagi, N. Nakai, K. Machida, T. Togashi, S. Watanabe, X.-Y. Wang, C. T. Chen, S. Shin, Phys. Rev. Lett. , Vol.100 (2008) 017003. 1 - 4

## Field-angle-dependent Specific Heat Measurements and Gap Determination of a Heavy Fermion Superconductor $URu_2Si_2$

\*K. Yano, T. Sakakibara, T. Tayama, M. Yokoyama, H. Amitsuka, Y. Homma, P. Miranovic, M. Ichioka, Y. Tsutsumi, K. Machida, Phys. Rev. Lett. , Vol.100 (2008) 017004, 1 - 4

## Kelvin Waves of Quantized Vortex Lines in Trapped Bose-Einstein Condensates

\*T. P. Simula, T. Mizushima, K. Machida, Phys. Rev. Lett., Vol.101 (2008) 020402, 1 - 4

## Anisotropic Elasticity of Magnetically Ordered Agarose Gel

\*I. Yamamoto, S. Ozawa, T. Makino, M. Yamaguchi, T. Takamasu, Sci. Technol. Adv. Mater., Vol.9 (2008) 024214, 1 - 3

## Pulsed-Field Magnetization, Electron Spin Resonance, and Nuclear Spin-Lattice Relaxation in the $\{Cu_3\}$ Spin Triangle

\*K. Y. Choi, N. S. Dalal, A. P. Reyes, P. L. Kuhns, Y. H. Matsuda, H. Nojiri, S. S. Mal, U. Kortz, Phys. Rev. B, Vol.77 (2008) 024406, 1 - 8

## Doubly Degenerate Orbital System in Honeycomb Lattice: Implication of Orbital State in Layered Iron Oxide

J. Nasu, \*A. Nagano, M. Naka, S. Ishihara, Phys. Rev. B, Vol.78 (2008) 024416, 1 - 12

## Exact Solution of the Geometrically Frustrated Spin-1/2 Ising-Heisenberg Model on the Triangulated Kagome (triangles-in-triangles) lattice

\*J. Strecka, L. Canova, M. Jascur, M. Hagiwara, Phys. Rev. B, Vol.78 (2008) 024427, 1 - 11

## Two-Gap Superconductivity Seen in Penetration-Depth Measurements of $Lu_2Fe_3Si_5$ Single Crystals

R. T. Gordon, M. D. Vannette, C. Martin, Y. Nakajima, T. Tamegai, \*R. Prozorov, Phys. Rev. B, Vol.78 (2008) 024514, 1 - 5

## Electronic Localization and Two-Dimensional Metallic State in $UPt_2Si_2$

S. Süllo, A. Otop, A. Loose, J. Klenke, O. Prokhnenko, R. Feyerherm, R. W. A. Hendrikx, J. A. Mydosh, H. Amitsuka, J. Phys. Soc. Jpn., Vol.77 (2008) 024708, 1 - 5

## Evidence for Ballistic Thermal Conduction in the One-Dimensional $S = 1/2$ Heisenberg Antiferromagnetic Spin System $Sr_2CuO_3$

\*T. Kawamata, N. Takahashi, T. Adachi, T. Noji, K. Kudo, N. Kobayashi, Y. Koike, J. Phys. Soc. Jpn., Vol.77 (2008) 034607, 1 - 6

### Chiral and Collinear Ordering in a Distorted Triangular Antiferromagnet

I. Smirnov, L. E. Svistov, L. A. Prozorova, A. Zheludev, M. D. Lumsden, E. Ressouche, O. A. Petrenko, K. Nishikawa, S. Kimura, M. Hagiwara, K. Kindo, A. Ya. Shapiro, L. N. Demianets, Phys. Rev. Lett., Vol.102 (2008) 037202, 1 - 4

### Spin Dynamics of Two-dimensional Electrons in a Quantum Hall System Probed by Time-resolved Kerr Rotation Spectroscopy

\*D. Fukuoka, T. Yamazaki, N. Tanaka, K. Oto, K. Muro, Y. Hirayama, N. Kumada, H. Yamaguchi, Phys. Rev. B, Vol.78 (2008) 041304, 1 - 4

### Singlet Ground State and Spin Gap in $S=1/2$ Kagome' Antiferromagnet $\text{Rb}_2\text{Cu}_3\text{SnF}_{12}$

K. Morita, M. Yano, T. Ono, \*H. Tanaka, K. Fujii, H. Uekusa, Y. Narumi, K. Kindo, J. Phys. Soc. Jpn, Vol.77 (2008) 043707, 1 - 4

### Charged Excitons and Biexcitons in $\text{CdZnTe}/(\text{Cd,Zn,Mn})\text{Te}$ Quantum Wells in Pulse Magnetic Fields

\*S. Takeyama, Y. Natori, Y. Hirayama, E. Kojima, Y. Arishima, H. Mino, G. Karczewski, T. Wojtowicz, J. Kossut, J. Phys. Soc. Jpn., Vol.77 (2008) 044702, 1 - 7

### Vortex Waves in Trapped Bose-Einstein Condensates

\*T. P. Simula, T. Mizushima, K. Machida, Phys. Rev. A, Vol.78 (2008) 053604, 1 - 7

### Continuous Evolution of Fermi Surface Properties above Metamagnetic Transitions in $\text{Ce}_x\text{La}_{x-1}\text{Ru}_2\text{Si}_2$

Y. Matsumoto, M. Sugi, N. Kimura, T. Komatsubara, \*H. Aoki, I. Satoh, T. Terashima, S. Uji, J. Phys. Soc. Jpn., Vol.77 (2008) 053703, 1 - 4

### Magnetization Process and the Associated Lattice Deformations in an Intermetallic Compound $\text{Gd}_5\text{Ge}_3$

\*Y. Narumi, Y. Tanaka, N. Terada, M. Rotter, K. Katsumata, T. Fukui, M. Iwaki, K. Kindo, H. Toyokawa, A. Tanaka, T. Tsutaoka, T. Ishikawa, H. Kitamura, J. Phys. Soc. Jpn, Vol.77 (2008) 053711, 1 - 4

### Muon Spin Relaxation Detection of the Soft Mode Toward the Exotic Magnetic Ground State in the Bond-disordered Quantum Spin System $\text{IPA-Cu}(\text{Cl}_{0.35}\text{Br}_{0.65})_3$

\*T. Goto, T. Suzuki, K. Kanada, T. Saito, A. Oosawa, I. Watanabe, H. Manaka, Phys. Rev. B, Vol.78 (2008) 054422, 1 - 6

### High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in $\text{EuNi}_2(\text{Si}_{1-x}\text{Ge}_x)_2$

\*Y. H. Matsuda, T. Inami, K. Ohwada, Y. Murata, H. Nojiri, Y. Murakami, A. Mitsuda, H. Wada, H. Miyazaki, I. Harada, J. Phys. Soc. Jpn, Vol.77 (2008) 054713, 1 - 7

### Fermi Surface Properties of $\text{CeRu}_2(\text{Si}_{1-x}\text{Ge}_x)_2$ in Magnetic Fields above the Metamagnetic Transitions

M. Sugi, Y. Matsumoto, N. Kimura, T. Komatsubara, H. Aoki, T. Terashima, S. Uji, Phys. Rev. Lett., Vol.101 (2008) 056401, 1 - 4

### Novel Ordering of an $S=1/2$ Quasi-1d Ising-Like Antiferromagnet in Magnetic Field

\*S. Kimura, T. Takeuchi, K. Okunishi, M. Hagiwara, Z. He, K. Kindo, T. Taniyama, M. Itoh, Phys. Rev. Lett., Vol.100 (2008) 057202, 1 - 4

Magnetization Profile and Core-level Spectroscopy in a Multiply Quantized Vortex of Imbalanced Fermi Superfluids

K. M. Suzuki, \*T. Mizushima, M. Ichioka, K. Machida, Phys. Rev. A, Vol.77 (2008) 063617, 1 - 11

Fermi Surface in the Superconducting  $\beta$ -pyrochlore Oxide CsOs<sub>2</sub>O<sub>6</sub>

\*T. Terashima, S. Uji, J. Yamaura, Z. Hiroi, H. Harima, Phys. Rev. B, Vol.77 (2008) 064509, 1 - 11

<sup>123</sup>Sb-NQR Study of Unconventional Superconductivity in the Filled Skutterudite Heavy-fermion Compound PrOs<sub>4</sub>Sb<sub>12</sub> under High Pressure up to 3.82 GPa

S. Kawasaki, \*K. Katayama, H. Sugawara, D. Kikuchi, H. Sato, G.-q. Zheng, Phys. Rev. B, Vol.78 (2008) 064510, 1 - 7

Charge and Magnetic Orderings in the Triangular-Lattice Antiferromagnet InFe<sub>2</sub>O<sub>4</sub>

\*K. Oka, M. Azuma, N. Hayashi, S. Muranaka, Y. Narumi, K. Kindo, S. Ayukawa, M. Kato, Y. Koike, Y. Shimakawa, M. Takano, J. Phys. Soc. Jpn., Vol.77 (2008) 064803, 1 - 5

The Enhanced Negative Magnetoresistance of Fe/Tb Multilayer at Multiextreme Conditions

\*M. Ohashi, G. Oomi, E. Ohmichi, T. Osada, K. Takano, H. Sakurai, F. Itoh, J. Appl. Phys., Vol.104 (2008) 073901, 1 - 4

Magnetic-Field-Induced Quantum Oscillation in  $\eta$ -Mo<sub>4</sub>O<sub>11</sub>

\*K. Suga, A. Ohnishi, M. Koyano, M. Sasaki, K. Kindo, J. Phys. Soc. Jpn., Vol. (2008) 074605, 1 - 6

Neutron Diffraction Study of Magnetic Structure in DyCu under Magnetic Field

\*M. Yasui, T. Terai, T. Kakeshita, M. Matsuda, N. Metoki, H. Nojiri, J. Appl. Phys., Vol.103 (2008) 07B710, 1 - 3

Comparative Study of Ordered and Disordered Y<sub>1-x</sub>Sr<sub>x</sub>CoO<sub>3- $\delta$</sub>

S. Fukushima, T. Sato, D. Akahoshi, H. Kuwahara, J. Appl. Phys., Vol.103 (2008) 07F705, 1 - 3

Negative Interlayer Magnetoresistance and Zero-Mode Landau Level in Multilayer Dirac Electron Systems

\*T. Osada, J. Phys. Soc. Jpn., Vol.77 (2008) 084711, 1 - 5

Multistep Magnetization Plateaus in the Shastry-Sutherland System TbB<sub>4</sub>

\*S. Yoshii, T. Yamamoto, M. Hagiwara, S. Michimura, A. Shigekawa, F. Iga, T. Takabatake, K. Kindo, Phys. Rev. Lett., Vol.101 (2008) 087202, 1 - 4

Topological Effects on the Magnetic Properties of Closed and Open Ring-Shaped Cr-based Antiferromagnetic Nanomagnets

\*Y. Furukawa, K. Kiuchi, K. Kumagai, Y. Ajiro, Y. Narumi, M. Iwaki, K. Kindo, A. Bianchi, S. Carretta, G. A. Timco, R. E. P. Winpenny, Phys. Rev. B, Vol.78 (2008) 092402, 1 - 4



Spatially Direct Charged Exciton Photoluminescence in Undoped ZnSe/BeTe type-II Quantum Wells

\*Z. W. Ji, S. Takeyama, H. Mino, K. Oto, K. Muro, R. Akimoto, Appl. Phys. Lett., Vol.92 (2008) 093107, 1 - 3

Triplet Spin Resonance of the Haldane Magnet  $\text{PbNi}_2\text{V}_2\text{O}_8$  with Interchain Coupling

\*A. I. Smirnov, V. N. Glazkov, T. Kashiwagi, S. Kimura, M. Hagiwara, K. Kindo, A. Y. Shapiro, L. N. Demianets, Phys. Rev. B, Vol.77 (2008) 100401, 1 - 4

Magnetic Detection of High-Resolution Electron Spin Resonance using a Microcantilever in the Millimeter-Wave Region up to 240 GHz

\*E. Ohmichi, N. Mizuno, M. Kimata, H. Ohta, Rev. Sci. Instrum., Vol.79 (2008) 103903, 1 - 5

Unusual Metamagnetic Transitions in  $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{Mn}_{0.97}\text{Ga}_{0.03}\text{O}_3$  Studied by Pulsed Magnetic Fields

Z. W. Ouyang, \*H. Nojiri, S. Yoshii, Phys. Rev. B, Vol.78 (2008) 104404, 1 - 5

Observation of Half-Integer Quantum Hall Effect in Single-Layer Graphene using Pulse Magnet

\*S. Masubuchi, K. Suga, M. Ono, K. Kindo, S. Takeyama, T. Machida, J. Phys. Soc. Jpn., Vol.77 (2008) 113707, 1 - 4

On Calculation of Vector Spin Chirality for Zigzag Spin Chains

\*K. Okunishi, J. Phys. Soc. Jpn., Vol.77 (2008) 114004, 1 - 7

Electrical and Magnetic Properties of  $\text{R}_3\text{Al}_{11}$  (R=La, Ce, Pr, and Nd)

\*C. S. Garde, T. Takeuchi, Y. Nakano, Y. Takeda, Y. Ota, Y. Miyauchi, K. Sugiyama, M. Hagiwara, K. Kindo, F. Honda, R. Settai, Y. Onuki, J. Phys. Soc. Jpn., Vol.78 (2008) 124704, 1 - 12

Magneto-Optical Imaging of Flux Penetration into Arrays of  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$  Microdisks

\*M. R. Connolly, M. V. Milošević, S. J. Bending, T. Tamegai, Phys. Rev. B, Vol.78 (2008) 132501, 1 - 4

Magnetic Phase Diagram of  $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$  Probed by  $^{17}\text{O}$  NMR

\*A. Trokiner, S. Verkhovskii, A. Yakubovskii, K. Kumagai, P. Monod, K. Mikhalev, A. Buzlukov, Y. Furukawa, N. Hur, S. - W. Cheong, Phys. Rev. B, Vol.77 (2008) 134436, 1 - 8

De Haas–Van Alphen Effect in the Mixed State of  $\text{LuNi}_2\text{B}_2\text{C}$ : Anisotropy and Field Dependence of the Damping Due to Superconductivity

\*T. Isshiki, N. Kimura, H. Aoki, T. Terashima, S. Uji, K. Yamauchi, H. Harima, D. Jaiswal-Nagar, S. Ramakrishnan, A. K. Grover, Phys. Rev. B, Vol.78 (2008) 134528, 1 - 12


Majorana Bound State in Rotating Superfluid  $^3\text{He-A}$  between Parallel Plates

\*Y. Tsutsumi, T. Kawakami, T. Mizushima, M. Ichioka, K. Machida, Phys. Rev. Lett., Vol.101 (2008) 135302, 1 - 4

Role of the Majorana Fermion and the Edge Mode in Chiral Superfluidity near a p-Wave Feshbach Resonance

\*T. Mizushima, M. Ichioka, K. Machida, Phys. Rev. Lett., Vol.101 (2008) 150409, 1 - 4

Optically Induced Long-Lived Electron Spin Coherence in ZnSe/BeTe Type-II Quantum Wells

\*H. Mino,  Y. Kouno, K. Oto, K. Muro, R. Akimoto, S. Takeyama, Appl. Phys. Lett., Vol.92 (2008) 153101, 1 - 3

Numerical Study of  $t_{2g}$  Orbital System with Ferromagnetic Polarization

\*T. Tanaka, S. Ishihara, Phys. Rev. B, Vol.78 (2008) 153106, 1 - 4

Specific-Heat Evidence for Two-Gap Superconductivity in the Ternary-Iron Silicide  $\text{Lu}_2\text{Fe}_3\text{Si}_5$

\*Y. Nakajima, T. Nakagawa, T. Tamegai, H. Harima, Phys. Rev. Lett., Vol.100 (2008) 157001, 1 - 4

Multiple Changes of Order of the Vortex Melting Transition in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$  with Dilute Columnar Defects

\*T. Verdene, H. Beidenkopf, Y. Myasoedov, H. Shtrikman, M. Rappaport, E. Zeldov, T. Tamegai, Phys. Rev. Lett., Vol.101 (2008) 157003, 1 - 4

Effect of Magnetic Impurities on the Vortex Lattice Properties in  $\text{NbSe}_2$  Single Crystals

M. Iavarone, R. D. Capua, G. Karapetrov, A. E. Koshelev, \*D. Rosenmann, H. Claus, C. D. Malliakas, M. G. Kanatzidis, T. Nishizaki, N. Kobayashi, Phys. Rev. B, Vol.78 (2008) 174518, 1 - 8

Mapping The Dynamic Interactions between Vortex Species in Highly Anisotropic Superconductors

\*M. Tesei, G. K. Perkins, A. D. Caplin, L. FCohen, T. Tamegai, Supercond. Sci. Technol., Vol.21 (2008) 175019, 1 - 4

Field-induced Spin-state Transition in the Perovskite Cobalt Oxide  $\text{Sr}_{1-x}\text{Y}_x\text{CoO}_{3-\delta}$

\*S. Kimura, Y. Maeda, T. Kashiwagi, H. Yamaguchi, M. Hagiwara, S. Yoshida, I. Terasaki, K. Kindo, Phys. Rev. B, Vol.78 (2008) 180403, 1 - 4

High-field Electron Spin Resonance in the Two-dimensional Triangular-lattice Antiferromagnet  $\text{NiGa}_2\text{S}_4$

\*H. Yamaguchi, S. Kimura, M. Hagiwara, Y. Nambe, S. Nakatsuji, Y. Maeno, K. Kindo, Phys. Rev. B, Vol.78 (2008) 180404, 1 - 4

Quantum Phase Transitions of The Asymmetric Three-Leg Spin Tube

\*T. Sakai, M. Sato, K. Okunishi, Y. Otsuka, K. Okamoto, C. Itoi, Phys. Rev. B, Vol.78 (2008) 184415, 1 - 11

Field-induced Magnetostructural Transition in  $\text{Gd}_5\text{Ge}_4$  Studied by Pulsed Magnetic Fields

Z. W. Ouyang, \*H. Nojiri, S. Yoshii, G. H. Rao, Y. C. Wang, V. K. Pecharsky, K. A. Gschneidner Jr., Phys. Rev. B, Vol.77 (2008) 184426, 1 - 7

Magnetic Field Dependence of Low-temperature Specific Heat in  $\text{Sr}_2\text{RuO}_4$

\*K. Machida, M. Ichioka, Phys. Rev. B, Vol.77 (2008) 184515, 1 - 7

Fermi Surface in  $\text{LaRhSi}_3$  and  $\text{CeRhSi}_3$

\*T. Terashima, M. Kimata, S. Uji, T. Sugawara, N. Kimura, H. Aoki, H. Harima, Phys. Rev. B, Vol.78 (2008) 205107, 1 - 10

Electronic Structures and p-d Exchange Interaction of Mn-doped Diluted Magnetic Semiconductors

\*S. Ueda, A. Sekiyama, T. Iwasaki, S. Imada, S. Suga, Y. Saitoh, W. Girit, S. Takeyama, Phys. Rev. B, Vol.78 (2008) 205206, 1 - 8

Longitudinal Spin Density Wave Order in a Quasi-1D Ising-like Quantum Antiferromagnet

S. Kimura, M. Matsuda, T. Masuda, S. Hondo, K. Kaneko, N. Metoki, M. Hagiwara, T. Takeuchi, K. Okunishi, Z. He, K. Kindo, T. Taniyama, M. Itoh, Phys. Rev. Lett., Vol.101 (2008) 207201, 1 - 4

Full-Magnetization of Geometrically Frustrated  $\text{CdCr}_2\text{O}_4$  Determined by Faraday Rotation Measurements at Magnetic Fields up to 140 T

E. Kojima, A. Miyata, \*S. Miyabe, S. Takeyama, H. Ueda, Y. Ueda, Phys. Rev. B, Vol.77 (2008) 212408, 1 - 4

Synthesis, Structure, and Magnetic Properties of the Two-Dimensional Quantum Antiferromagnets  $(\text{CuBr})\text{A}_2\text{B}_3\text{O}_{10}$  (A=Ca, Sr, Ba, Pb; B=Nb, Ta) with the 1/3 Magnetization Plateau

Y. Tsujimoto, H. Kageyama, \*Y. Baba, A. Kitada, T. Yamamoto, Y. Narumi, K. Kindo, M. Nishi, J. P. Carlo, A. A. Aczel, T. J. Williams, T. Goko, G. M. Luke, Y. J. Uemura, Y. Ueda, Y. Ajiro, K. Yoshimura, Phys. Rev. B, Vol.78 (2008) 214410, 1 - 10

Magnetic Transitions and Spin Dynamics in the  $3d^1$  System  $\text{K}_2\text{NaCrO}_8$  Investigated by Magnetization and  $^{23}\text{Na}$  NMR

K. -Y. Choi, S. Nellutla, A. P. Reyes, P. L. Kuhns, Y. -J Jo, L. Balicas, H. Nojiri, M. Pati, N. S. Dalal, Phys. Rev. B, Vol.78 (2008) 214419, 1 - 6

Interaction between Josephson and Pancake Vortices Investigated by the Induced Microwave Dissipation by Ac Magnetic Field Technique

\*D. Shaltiel, H. -A. Krug von Nidda, B. Y. Shapiro, B. Rosenstein, A. Loidl, B. Bogoslavsky, I. Shapiro, T. Tamegai, Phys. Rev. B, Vol.77 (2008) 214522, 1 - 5

Influence of Spatial Variations in the Lower Critical Field on the Equilibrium Field Penetration into Superconductors

\*N. Avraham, E. H. Brandt, G. P. Mikitik, Y. Myasoedov, M. Rappaport, E. Zeldov, C. J. van der Beek, M. Konczykowski, T. Tamegai, Phys. Rev. B, Vol.77 (2008) 214525, 1 - 8

Two Superconducting Gaps in  $\text{LaFeAsO}_{0.92}\text{F}_{0.08}$  Revealed by  $^{75}\text{As}$  Nuclear Quadrupole Resonance

\*S. Kawasaki, K. Shimada, G. F. Chen, J. L. Luo, N. L. Wang, G. -q. Zheng, Phys. Rev. B, Vol.78 (2008) 220506, 1 - 4

Multiple Nearest-Neighbor Exchange Model for the Frustrated Magnetic Molecules  $\{\text{Mo}_7\text{Fe}_{30}\}$  and  $\{\text{Mo}_7\text{Cr}_{30}\}$

\*C. Schröder, R. Prozorov, P. Kögerler, M. D. Vannette, X. Fang, M. Luban, A. Matsuo, K. Kindo, A. Müller, A. M. Todea, Phys. Rev. B, Vol.77 (2008) 224409, 1 - 8

Magneto-dielectric Phenomena in a Charge- and Spin-Frustrated System of Layered Iron Oxide

M. Naka, \*A. Nagano, S. Ishihara, Phys. Rev. B, Vol.77 (2008) 224441, 1 - 15

Antiferromagnetic Ordering of the Incommensurate Organic Superconductor (MDT-TS)(AuI<sub>2</sub>)<sub>0.441</sub> with a High Spin-Flop Field

\*T. Kawamoto, Y. Bando, T. Mori, T. Konoike, T. Yamaguchi, T. Terashima, S. Uji, K. Takimiya, T. Otsubo, Phys. Rev. B, Vol.77 (2008) 224506, 1 - 5

Spin-singlet Superconductivity with Multiple Gaps in PrFeAsO<sub>0.89</sub>F<sub>0.11</sub>

K. Matano, Z. A. Ren, X. L. Dong, L. L. Sun, Z. X. Zhao, \*G. -q. Zheng, Europhys. Lett., Vol.83 (2008) 57001, 1 - 4

Hydration-Induced Anisotropic Spin Fluctuations in Na<sub>x</sub>CoO<sub>2</sub> · 1.3H<sub>2</sub>O Superconductor

K. Matano, C. T. Lin, \*G. -q. Zheng, Europhys. Lett., Vol.84 (2008) 57010, 1 - 5

Numerical Exact Diagonalization Study on a Phonon-Assisted Hole Paring in the High-Tc Cuprates

\*T. Sakai, Physica C, Vol. (2009) , - to be published

Effects of Heavy-Ion Irradiation on the Vortex State in Ba(Fe<sub>1-x</sub>Co<sub>x</sub>)<sub>2</sub>As<sub>2</sub>

\*T. Tamegai, Y. Tsuchiya, T. Taen, Y. Nakajima, S. Okayasu, M. Sasase, Physica C, Vol. (2009) , - to be published

Impurity Effects in Two-Gap Superconductor Lu<sub>2</sub>Fe<sub>3</sub>Si<sub>5</sub>

\*H. Hidaka, Y. Nakajima, T. Tamegai, Physica C, Vol. (2009) , - to be published

Magneto-Optical Observations of Vortex Penetration into Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+y</sub> with Periodic Pinning Potentials

\*T. Tamegai, T. Tominaga, D. Naito, Y. Nakajima, S. Ooi, T. Mochiku, K. Hirata, Physica C, Vol. (2009) , - to be published

Doping Dependence of Magnetic and Transport Properties in Single Crystalline Co-Doped BaFe<sub>2</sub>As<sub>2</sub>

\*Y. Nakajima, T. Taen, T. Tamegai, , Vol. (2009) , - to be published

Magneto-Optical Imaging of Iron-Oxypnictide Superconductor LaFeAs(O,F)

\*Y. Nakajima, T. Maruokaa, T. Tamegai, Y. Kamihara, M. Hirano, H. Hosono, Physica C, Vol. (2009) , - to be published

Scanning Tunneling Microscopy/Spectroscopy in Iron-Pnictide Superconductor

\*T. Nishizaki, Y. Nakajim, T. Tamegai, N. Kobayashi, Physica C, Vol. (2009) , - to be published

Experimental Evidence for Vortex Equilibration by an In-plane dc Field in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$

\*I. Gutman, S. Goldberg, Y. Segev, Y. Myasoedov, E. Zeldov, T. Tamegai, Physica C, Vol. (2009) , - to be published

Superconducting Anisotropy in Single-crystalline  $\text{Ba}(\text{Fe}_{0.93}\text{Co}_{0.07})_2\text{As}_2$  near  $T_c$

\*T. Nojima, Y. Honda, Y. Nakajima, T. Tamegai, Physica C, Vol. (2009) , - to be published

Magneto-Optical Imaging of Polycrystalline  $\text{LaFePO}_{1-x}\text{F}_x$

\*Y. Tsuchiya, Y. Nakajima, T. Tamegai, Y. Kamihara, M. Hirao, H. Hosono, Physica C, Vol. (2009) , - to be published

Nanoscale Heterogeneous Structure of Ionic Liquid as Revealed by Magnetic Field Effects

\*M. Wakasa, T. Yago, A. Hamasaki, J. Phys. Chem. B, Vol.113 (2009) , 10559 - 10561

Formation of Cr-rich Nano-Clusters and Columns in  $(\text{Zn,Cr})\text{Te}$  Grown by MBE

Y. Nisho, K. Ishikawa, S. Kuroda, M. Mitome, Y. Bando, Materials Research Society, Vol.1183 (2009) , 1 - 6

Textures and Exotic Vortices in Neutral Fermion Superfluids

\*K. Machida, Y. Tsutsumi, T. Kawakami, H. M. Adachi, J. A. M. Huhtamäki, T. Mizushima, M. Ichioka, J. Low Temp. Phys., Vol.158 (2009) , 377 - 383

High-Field Magnetization of the Distorted Spin Frustration System  $\text{Ni}_5(\text{TeO}_3)_4\text{Br}_2$

\*J. L. Her, K. Suga, K. Kindo, S. Takeyama, H. Berger, H.D. Yang, Y. H. Matsuda, J. Low Temp. Phys., Vol.159 (2009) , 101 - 104

High Field Magnetism of the Spinel Oxide  $\text{CoAl}_2\text{O}_4$

\*M. Hagiwara, S. Kimura, N. Nishihagi, T. Suzuki, M. Nohara, H. Takagi, K. Kindo, J. Low Temp. Phys., Vol.159 (2009) , 11 - 14

High -Field and Multi-Frequency ESR in the Two-Dimensional Triangular-Lattice Antiferromagnet  $\text{CuCrO}_2$

\*H. Yamaguchi, S. Otomo, S. Kimura, M. Hagiwara, K. Kimura, T. Kimura, K. Kindo, J. Low Temp. Phys., Vol.159 (2009) , 130 - 133

Magneto-Absorption Spectra from Selected Chirality of Single-Walled Carbon Nanotubes

\*H. Suzuki, Y. Otsubo, R. Shen, E. Kojima, Y. Murakami, J. Shiomi, S. Maruyama, S. Takeyama, J. Low Temp. Phys., Vol.159 (2009) , 267 - 271

High-field Magnetization of  $\text{SrMn}_3\text{P}_4\text{O}_{14}$  Having Magnetization Plateau and Ferrimagnetic Long-Range Order

\*M. Hase, T. Yang, R. Cong, J. Lin, A. Matsuo, K. Kindo, K. Ozawa, H. Kitazawa, J. Low Temp. Phys., Vol.159 (2009) , 28 - 31

A Near-Infrared Spectroscopy in Magnetic Fields Above 100 T

\*H. Yokoi, M. Effendi, E. Kojima, S. Takeyama, J. Low Temp. Phys., Vol.159 (2009) , 311 - 314

Field Induced Exotic Phenomena of the  $S = 1/2$  Three-Leg Quantum Spin Nanotube

\*T. Sakai, K. Okunishi, K. Okamoto, C. Itoi, M. Sato, J. Low Temp. Phys., Vol.159 (2009) , 55 - 59

Observation of Elementary Excitations of Quantum Sine-Gordon Spin System  $\text{KCuGaF}_6$  Under High Magnetic Field

\*I. Umegaki, H. Tanaka, T. Ono, H. Nojiri, J. Low Temp. Phys., Vol.159 (2009) , 60 - 63

Quantum Phase Transition of a Triangular Lattice Spin Tube and Edge Spin Effects

K. Okunishi, S. Yoshikawa, T. Sakai, S. Miyashita, Int. J. Mod. Phys. C, Vol.20 (2009) , 1423 - 1430 to be published

Elementary Excitations and Spin Dynamics in Nanowire Quantum Magnets

T. Sakai, T. Tonegawa, K. Okamoto, Int. J. Mod. Phys. C, Vol.20 (2009) , 1467 - 1476 to be published

Electron Spin Imaging in Quantum Hall Devices by Kerr Rotation Measurement

K. Oto, R. Inaba, T. Yamada, T. Yamazaki, K. Muro, Y. Hirayama, N. Kumada, H. Yamaguchi, Int. J. Mod. Phys. B, Vol.23 (2009) , 2750 - 2754

Optically Induced Dynamic Nuclear Spin Polarization in Quantum Hall Regime Observed by a Time-Resolved Kerr Rotation

D. Fukuoka, N. Tanaka, K. Oto, K. Muro, Y. Hiyama, N. Kumada, H. Yamaguchi, Int. J. Mod. Phys. B, Vol.23 (2009) , 2755 - 2759

Spin Resolved Subband - Landau - Level Coupling and Electron - Hole Coupling in InAs/AlGaSbAs Quantum Well

T. Yoshida, K. Oto, S. Ishida, H. Geka, I. Shibasaki, Int. J. Mod. Phys. B, Vol.23 (2009) , 2905 - 2909

Influence of Random Substitution on Magnetocaloric Effect in a Spinel Ferrite

\*H. Mamiya, N. Terada, T. Furubayashi, H. S. Suzuki, H. Kitazawa, J. Magn. Magn. Mater., Vol.322 (2009) , 1561 - 1564

Coherence Factors in a High- $T_c$  Cuprate Probed by Quasi-Particle Scattering of Vortices

\*T. Hanaguri, Y. Kohsaka, M. Ono, M. Maltseva, P. Coleman, I. Yamada, M. Azuma, M. Takano, K. Ohishi, T. Takagi, Science, Vol.323 (2009) , 923 - 926

High-Field and Multifrequency ESR Studies at KYOKUGEN in Osaka University

\*M. Hagiwara, S. Kimura, H. Yashiro, T. Kashiwagi, H. Yamaguchi, K. Kindo, Appl. Magn. Reson., Vol.36 (2009) , 269 - 274

High-Field and Multifrequency ESR in the Two-Dimensional Triangular Lattice Antiferromagnet NiGa<sub>2</sub>S<sub>4</sub>

\*H. Yamaguchi, S. Kimura, M. Hagiwara, Y. Nambu, S. Nakatsuji, Y. Maeno, K. Kindo, Appl. Magn. Reson., Vol.36 (2009) , 285 - 289

Spin Excitations in the Field-Induced Phase of the Quasi-One-Dimensional S=1 Heisenberg Antiferromagnet NDMAP

\*T. Kashiwagi, M. Hagiwara, S. Kimura, H. Miyazaki, I. Harada, Z. Honda, K. Kindo, Appl. Magn. Reson., Vol.36 (2009) , 309 - 316

Recent Advances in High Frequency Electron Spin Resonance Detection Using a Microcantilever

\*H. Ohta, E. Ohmichi, Appl. Magn. Reson., Vol.37 (2009) , 881 - 891

Primary Photochemical Process of Thiobenzophenone as Studied by Laser Flash Photolysis

M. Tanaka, T. Yago, \*M. Wakasa, Chem. Lett., Vol.38 (2009) , 1086 - 1087

Synthesis and Magnetic Properties of Ba<sub>2</sub>Mn<sub>2</sub>Si<sub>2</sub>O<sub>9</sub>: the First Example of S=2 Spin-Dimer with Spin-Singlet Ground State

\*Z. Z. He, M. H. Wangbo, Y. Ueda, Y. Narumi, K. Kindo, T. Taniyama, M. Itoh, \*W. D. Cheng, Chem. Asian J., Vol.4 (2009) , 1530 - 1535

X-Ray Magnetic Circular Dichroism Spectroscopy in Pulsed High Magnetic Fields

\*Y.H. Matsuda, Adv. X-Ray. Chem. Anal. , Vol.40 (2009) , 51 - 59

Magnetic Properties around Quantum Critical Point of CePt<sub>1-x</sub>Rh<sub>x</sub>

\*I. Kawasaki, D. Nishikawa, H. Hidaka, T. Yanagisawa, K. Tenya, M. Yokoyama, H. Amitsuka, Physica B, Vol.404 (2009) , 2098 - 2911

Specific Heat of EuIn<sub>2</sub>P<sub>2</sub> at High Magnetic Fields

\*H. Hidaka, Y. Ikeda, I. Kawasaki, T. Yanagisawa, H. Amitsuka, Physica B, Vol.404 (2009) , 3005 - 3007

Magnetic and Superconducting Properties of a Pressure-Induced Superconductor CePd<sub>5</sub>Al<sub>2</sub>

\*F. Honda, M. A. Measson, Y. Nakano, N. Yoshitani, T. Takeuchi, K. Sugiyama, M. Hagiwara, K. Shimizu, K. Kindo, N. Tateiwa, E. Yamamoto, Y. Haga, M. Ishizuka, H. Yamagami, R. Settai, Y. Onuki, Physica B, Vol.404 (2009) , 3202 - 3205

Bond-randomness Effect on the Quantum Spin System Tl<sub>1-x</sub>K<sub>x</sub>CuCl<sub>3</sub> probed by Muon-spin-relaxation Method

\*T. Suzuki, F. Yamada, I. Watanabe, T. Goto, A. Oosawa, H. Tanaka, Physica B, Vol.404 (2009) , 590 - 593

$\mu$ SR-detected Soft Mode Toward a Possible Phase Transition in Disordered Spin Gap System (CH<sub>3</sub>)<sub>2</sub>CHNH<sub>3</sub>-Cu(Cl<sub>x</sub>Br<sub>1-x</sub>)<sub>3</sub>

\*T. Goto, T. Suzuki, I. Watanabe, K. Kanada, T. Saito, A. Oosawa, H. Manaka, Physica B, Vol.404 (2009) , 594 - 596

Irreversible Magnetic-Field-Induced Antiferromagnetic to Ferromagnetic Transition in  $\text{Nd}_5\text{Ge}_3$

\*T. Tsutaoka, A. Tanaka, Y. Narumi, M. Iwaki, K. Kindo, Physica B, Vol.405 (2009) , 180 - 185

Magnetotransport Properties of Yb-doped  $\text{Al}_x\text{Ga}_{1-x}\text{As}/\text{GaAs}$  Two-dimensional Electron Systems

\*T. Kaizu, Y. Imanaka, K. Takehana, T. Takamasu, Physica E, Vol.42 (2009) , 1126 - 1129

Cyclotron study of 2DES incorporating QD layer

\*K. Takehana, Y. Imanaka, T. Takamasu, M. Henini , Physica E, Vol.42 (2009) , 915 - 917

Magneto-Optical Imaging of Vortex Arrangements in Pb Finite Superconducting Network

\*Y. Tsuchiya, Y. Nakajima, T. Tamegai, Physica C , Vol.469 (2009) , 1084 - 1087

Magneto-Optical Imaging of Iron-Oxypnictide  $\text{SmFeAs}(\text{O},\text{F})$  AND  $\text{NdFeAsO}_{1-y}$

T. Tamegai, Y. Nakajima, Y. Tsuchiya, H. Eisaki, H. Kito, K. Miyazawa, P.M. Shirage, A. Iyo, Physica C, Vol.469 (2009) , 915 - 920

Anomalous upper Critical Field in Ternary-Iron Silicide Superconductor  $\text{Lu}_2\text{Fe}_3\text{Si}_5$

Y. Nakajima, H. Hidaka, T. Tamegai, T. Nishizaki, T. Sasaki, Physica C, Vol.469 (2009) , 921 - 923

Effect of Antiferromagnetic Ordering on Temperature Dependent Superconducting Gap in  $\text{ErNi}_2\text{B}_2\text{C}$ : Laser-Photoemission Spectroscopy

\*T. Baba, T. Yokoya, S. Tsuda, T. Kiss, T. Shimojima, K. Ishizaka, H. Takeya, K. Hirata, N. Nakai, K. Machida, T. Togashi, C. T. Chen, C. Q. Zhang, S. Watanabe, S. Shin, Physica C, Vol.469 (2009) , 928 - 931

Non-Magnetic Impurity Effect in Two-Gap Superconductor  $\text{Lu}_2\text{Fe}_3\text{Si}_5$

H. Hidaka, Y. Nakajima, T. Tamegai, Physica C, Vol.469 (2009) , 999 - 1001

Lattice Orientations of Driven Vortex Matter in Amorphous MoGe Films

\*N. Kokubo, T. Nishizaki, B. Shinozaki, P. H. Kes , Physica C, Vol.470 (2009) , 43 - 47

Antiferromagnetic Rare Earth Coupling in  $\text{Pr}_{1-x}\text{Tb}_x\text{Ni}$  and  $\text{Nd}_{1-x}\text{Tb}_x\text{Ni}$  Single Crystals

Y. Tajiri, \*K. Nishimura, L. W. Li, T. Kawabata, K. Sato, K. Kindo, W. D. Hutchison, J. Alloys Compd. , Vol.487 (2009) , 5 - 10

Magnetization “Steps” on a Kagome Lattice in Volborthite

H. Yoshida, Y. Okamoto, T. Tayama, T. Sakakibara, M. Tokunaga, A. Matsuo, Y. Narumi, K. Kindo, M. Yoshida, M. Takigawa, \*Z. Hiroi, J. Phys. Soc. Jpn., Vol.78 (2009) , 1 - 4



Dzyaloshinsky-Moriya Interaction in the  $S = 1/2$  Quasi-One-Dimensional Antiferromagnet  $\text{Cu}_2\text{Cl}_4 \cdot \text{H}_8\text{C}_4\text{SO}_2$  as Determined Via High-Frequency ESR

M. Fujisawa, K. Shiraki, S. Okubo, \*H. Ohta, M. Yoshida, H. Tanaka, T. Sakai, Phys. Rev. B, Vol.80 (2009) 012408, 1 - 4

Enhancement of Critical Current Densities in Co-Doped  $\text{BaFe}_2\text{As}_2$  with Columnar Defects Introduced by Heavy-Ion Irradiation

\*Y. Nakajima, Y. Tsuchiya, T. Taen, T. Tamegai, S. Okayasu, M. Sasase, Phys. Rev. B, Vol.80 (2009) 012510, 1 - 4

Generic First-Order Orientation Transition of Vortex Lattices in Type II Superconductors

\*K. M. Suzuki, K. Inoue, P. Miranovic, M. Ichioka, K. Machida, J. Phys. Soc. Jpn., Vol.79 (2009) 013702, 1 - 4

High-Frequency Electron Spin Resonance System using a Microcantilever and a Pulsed Magnetic Field

\*E. Ohmichi, N. Mizuno, M. Kimata, H. Ohta, T. Osada, Rev. Sci. Instrum., Vol.80 (2009) 013904, 1 - 5

Quantum Magnetism of Perfect Spin Tetrahedra in  $\text{Co}_4\text{B}_6\text{O}_{13}$

H. Hagiwara, \*H. Sato, M. Iwaki, Y. Narumi, K. Kindo, Phys. Rev. B, Vol.80 (2009) 014424, 1 - 5

Synthesis, Structural and Magnetic Properties of the Solid Solution  $(\text{CuCl}_{1-x}\text{Br}_x)\text{LaNb}_2\text{O}_7$  ( $0 \leq x \leq 1$ )

\*Y. Tsujimoto, A. Kitada, H. Kageyama, M. Nishi, Y. Narumi, K. Kindo, Y. Kiuchi, Y. Ueda, Y. J. Uemura, Y. Ajiro, K. Yoshimura, J. Phys. Soc. Jpn., Vol.79 (2009) 014709, 1 - 4

Insulator–Metal Phase Transition of  $\text{Pr}_{0.6}\text{Ca}_{0.4}\text{MnO}_3$  Studied by X-ray Absorption Spectroscopy in Pulsed Magnetic Fields

\*Z. W. Ouyang, Y. H. Matsuda, H. Nojiri, Y. Inada, Y. Niwa, T. Arima, J. Phys.: Condens. Matter., Vol.21 (2009) 016006, 1 - 5

Quantum Phase Transition in the Magnetic-Field-Induced Normal State of Optimum-Doped High- $T_c$  Cuprate Superconductors at Low Temperatures

\*F. F. Balakirev, J. B. Betts, A. Migliori, I. Tsukada, Y. Ando, G. S. Boebinger, Phys. Rev. Lett., Vol.102 (2009) 017004, 1 - 4

Magnetic Field Induced 4f Octupole in  $\text{CeB}_6$  Probed by Resonant X-Ray Diffraction

\*T. Matsumura, T. Yonemura, K. Kunimori, M. Sera, F. Iga, Phys. Rev. Lett., Vol.103 (2009) 017203, 1 - 4

Possible Superconductivity above 25 K in Single-Crystalline Co-Doped  $\text{BaFe}_2\text{As}_2$

\*Y. Nakajima, T. Taen, T. Tamegai, J. Phys. Soc. Jpn., Vol.78 (2009) 023702, 1 - 4

Magneto-Optical Studies of Low-Dimensional Organic Conductors

\*H. Ohta, M. Kimata, Y. Oshima, Sci. Technol. Adv. Mater., Vol.10 (2009) 024310, 1 - 13

High-field Multifrequency Electron-spin-resonance Study of the Haldane Magnet  $\text{Ni}(\text{C}_5\text{H}_{14}\text{N}_2)_2\text{N}_3(\text{PF}_6)$

\*T. Kashiwagi, M. Hagiwara, S. Kimura, Z. Honda, H. Miyazaki, I. Harada, K. Kindo, Phys. Rev. B, Vol.79 (2009) 024403, 1 - 12

Anomalous Frequency and Intensity Scaling of Collective and Local Modes in a Coupled-spin Tetrahedral System  $\text{Cu}_2\text{Te}_2\text{O}_5\text{C}_{12}$

K. -Y. Choi, \*H. Nojiri, N. S. Dalal, H. Berger, W. Brenig, P. Lemmens, Phys. Rev. B, Vol.79 (2009) 024416, 1 - 7

Complex Magnetic Structures of a Shastry-Sutherland Lattice  $\text{TmB}_4$  Studied by Powder Neutron Diffraction Analysis

\*S. Michimura, A. Shigekawa, F. Iga, T. Takabatake, K. Ohoyama, J. Phys. Soc. Jpn., Vol.78 (2009) 024707, 1 - 5

Magnetic Properties of Single Crystalline  $\text{RCu}_2\text{Si}_2$  (R: Rare Earth)

\*N. D. Dung, Y. Ota, K. Sugiyama, T. D. Matsuda, Y. Haga, K. Kindo, M. Hagiwara, T. Takeuchi, R. Settai, Y. Onuki, J. Phys. Soc. Jpn., Vol.78 (2009) 024712, 1 - 16

Quadrupole Ordering in Clathrate Compound  $\text{Ce}_3\text{Pd}_{20}\text{Si}_6$

\*T. Goto, T. Watanabe, S. Tsuduku, H. Kobayashi, Y. Nemoto, T. Yanagisawa, M. Akatsu, G. Ano, O. Suzuki, N. Takeda, A. Dönni, H. Kitazawa, J. Phys. Soc. Jpn., Vol.78 (2009) 024716, 1 - 9

Fermi Surface in  $\text{BaNi}_2\text{P}_2$

\*T. Terashima, M. Kimta, H. Satsukawa, A. Harada, K. Hazama, M. Imai, S. Uji, H. Kito, A. Iyo, H. Eisaki, H. Harima, J. Phys. Soc. Jpn., Vol.78 (2009) 033706, 1 - 4

Resonant Magnetic X-ray Diffraction Study on Successive Metamagnetic Transitions in  $\text{TbB}_4$

T. Inami, K. Ohwada, \*Y. H. Matsuda, Z. W. Ouyang, H. Nojiri, T. Matsumura, D. Okuyama, Y. Murakami, J. Phys. Soc. Jpn., Vol.78 (2009) 033707, 1 - 4

Superconducting Gap and Valence Band of  $\text{Mg}_{10}\text{Ir}_{19}\text{B}_{16}$  Studied by Laser and Synchrotron Photoemission Spectroscopy

\*R. Yoshuda, H. Okazaki, K. Iwai, K. Noami, T. Muro, M. Okawa, K. Ishizaka, S. Shin, Z. Li, J. Luo, G. -q. Zheng, J. Phys. Soc. Jpn., Vol.78 (2009) 034705, 1 - 4

Electrical and Magnetic Properties of  $\text{CeAu}_2\text{Si}_2$

\*Y. Ota, K. Sugiyama, Y. Miyauchi, Y. Takeda, Y. Nakano, Y. Doi, K. Katayama, N. D. Dung, T. D. Matsuda, Y. Haga, K. Kindo, T. Takeuchi, M. Hagiwara, R. Settai, Y. Onuki, J. Phys. Soc. Jpn., Vol.78 (2009) 034714, 1 - 8

Dilution Effect in Correlated Electron Systems with Orbital Degeneracy

\*T. Tanaka, S. Ishihara, Phys. Rev. B, Vol.79 (2009) 035109, 1 - 11

Universal Versus Material-Dependent Two-Gap Behaviors of the High- $T_c$  Cuprate Superconductors: Angle-Resolved Photoemission Study of  $\text{La}_{x-1}\text{Sr}_x\text{CuO}_4$

\*T. Yoshida, M. Hashimoto, S. Ideta, A. Fujimori, K. Tanaka, N. Mannella, Z. Hussain, Z.-X. Shen, M. Kubota, K. Ono, S. Komiya Y. Ando, H. Eisaki, S. Uchida, Phys. Rev. Lett., Vol.103 (2009) 037004, 1 - 4

Evidence for Large Electric Polarization from Collinear Magnetism in  $\text{TmMnO}_3$

\*V. Y. Pomjakushin, M. Kenzelmann, A. Dönni, A. B. Harris, T. Nakajima, S. Mitsuda, M. Tachibana, L. Keller, J. Mesot, H. Kitazawa, E. T. -Muromachi, *New J. Phys.*, Vol.11 (2009) 043019, 1 - 9

Field Induced Lattice Deformation in the Quantum Antiferromagnet  $\text{SrCu}_2(\text{BO}_3)_2$

\*Y. Narumi, N. Terada, Y. Tanaka, M. Iwaki, K. Katsumata, K. Kindo, H. Kageyama, Y. Ueda, H. Toyokawa, T. Ishikawa, H. Kitamura, *J. Phys. Soc. Jpn.*, Vol.78 (2009) 043702, 1 - 4

Magnetization “Steps” on a Kagome Lattice in Volborthite

H. Yoshida, Y. Okamoto, T. Tayama, T. Sakakibara, M. Tokunaga, A. Matsuo, Y. Narumi, K. Kindo, M. Yoshida, M. Takigawa, \*Z. Hiroi, *J. Phys. Soc. Jpn.*, Vol.78 (2009) 043704, 1 - 4

Field Induced Lattice Deformation in a Quasi-One-Dimensional Antiferromagnet  $\text{BaCo}_2\text{V}_2\text{O}_8$

\*S. Kimura, Y. Narumi, N. Terada, Y. Tanaka, M. Iwaki, K. Katsumata, M. Hagiwara, K. Kindo, Z. He, T. Taniyama, M. Itoh, H. Toyokawa, T. Ishikawa, H. Kitamura, *J. Phys. Soc. Jpn.*, Vol.79 (2009) 043706, 1 - 4

X-Ray Magnetic Circular Dichroism of a Valence Fluctuating State in Eu at High Magnetic Fields

Y. H. Matsuda, \*Z. W. Ouyang, H. Nojiri, T. Inami, K. Ohwada, M. Suzuki, N. Kawamura, A. Mitsuda, H. Wada, *Phys. Rev. Lett.*, Vol.103 (2009) 046402, 1 - 4

Wang–Landau Simulation for the Quasi-One-Dimensional Ising Model

\*T. Tanabe, K. Okunishi, *J. Phys. Soc. Jpn.*, Vol.78 (2009) 054002, 1 - 6

Correlation between Electron Spin Resonance and Magnetization in  $\text{Gd}_5\text{Ge}_4$

\*Z. W. Ouyang, H. Nojiri, S. Yoshii, G. H. Rao, Y. C. Wang, *Phys. Rev. B*, Vol.80 (2009) 054401, 1 - 5

X-ray Resonant Scattering Study of the Structural and Magnetic Transitions in  $\text{PrB}_6$

H. C. Walker, \*K. A. McEwen, D. F. McMorrow, M. Bleckmann, J. -G. Park, S. Lee, F. Iga, D. Mannix, *Phys. Rev. B*, Vol.79 (2009) 054402, 1 - 8

High-field Magnetization of  $\text{SrMn}_3\text{P}_4\text{O}_{14}$  Exhibiting a Quantum-Mechanical Magnetization Plateau and Classical Magnetic Long-Range Order

\*M. Hase, T. Yang, R. Cong, J. Lin, A. Matsuo, K. Kindo, K. Ozawa, H. Kitazawa, *Phys. Rev. B*, Vol.80 (2009) 054402, 1 - 5

Suppression of Mn Photoluminescence in Ferromagnetic State of Mn-doped ZnS Nanocrystals

\*I. Sarkar, M. K. Sanyal, S. Takeyama, S. Kar, H. Hirayama, H. Mino, F. Komori, S. Biswas, *Phys. Rev. B*, Vol.79 (2009) 054410, 1 - 6

Spin-state Transition and Phase Separation in a Multiorbital Hubbard Model

\*R. Suzuki, T. Watanabe, S. Ishihara, *Phys. Rev. B*, Vol.80 (2009) 054410, 1 - 5

Magnetothermal Instability in the Organic Layered Superconductor  $\kappa$ -(BEDT-TTF)<sub>2</sub>Cu(NCS)<sub>2</sub>

\*T. Konoike, K. Uchida, T. Osada, T. Yamaguchi, M. Nishimura, T. Terashima, S. Uji, J. Yamada, Phys. Rev. B, Vol.79 (2009) 054509, 1 - 5

Superconducting State in the Noncentrosymmetric Mg<sub>9.3</sub>Ir<sub>19</sub>B<sub>16.7</sub> and Mg<sub>10.5</sub>Ir<sub>19</sub>B<sub>17.1</sub> Revealed by NMR

K. Tahara, Z. Li, H. X. Yang, J. L. Luo, S. Kawasaki, \*G. -q. Zheng, Phys. Rev. B, Vol.80 (2009) 060503, 1 - 4

Polarization Plateau in an Atomic Fermi Gas Loaded on a Three-leg Triangular Optical Lattice

\*M. Okumura, S. Yamada, M. Machida, T. Sakai, Phys. Rev. A, Vol.79 (2009) 061602, 1 - 4

Resistivity and Upper Critical Field in KFe<sub>2</sub>As<sub>2</sub> Single Crystals

\*T. Terashima, M. Kimata, H. Satsukawa, A. Harada, K. Hazawa, S. Uji, H. Harima, G. -F. Chen, J. -L. Luo, N. -L. Wang, J. Phys. Soc. Jpn., Vol.78 (2009) 063702, 1 - 4

Mott Insulator Phases and First-Order Melting in Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+ $\delta$</sub>  Crystals with Periodic Surface Holes

\*S. Goldberg, Y. Segev, Y. Myasoedov, I. Gutman, N. Avraham, M. Rappaport, E. Zeldov, T. Tamegai, C. W. Hicks, K. A. Moler, Phys. Rev. B, Vol.79 (2009) 064523, 1 - 10

Possible Sign-Reversing s-Wave Superconductivity in Co-doped BaFe<sub>2</sub>As<sub>2</sub> Proved by Thermal Transport Studies

\*Y. Machida, K. Tomokuni, T. Isono, K. Izawa, Y. Nakajima, T. Tamegai, J. Phys. Soc. Jpn., Vol.78 (2009) 073705, 1 - 4

Magnetic Field versus Temperature Phase Diagram of the Spin-1/2 Alternating-Bond Chain Compound F<sub>3</sub>PNN

\*Y. Yoshida, T. Kawae, Y. Hosokoshi, K. Inoue, N. Maeshima, K. Okunishi, K. Okamoto, T. Sakai, J. Phys. Soc. Jpn., Vol.78 (2009) 074716, 1 - 5

Metamagnetic Behaviour under High Magnetic Fields in Ni<sub>50</sub>Mn<sub>50-x</sub>In<sub>x</sub> (x = 14.0 and 15.6) Shape Memory Alloys

\*R.Y. Umetsu, Y. Kusakari, T. Kanomata, K. Suga, Y. Sawai, K. Kindo, K. Oikawa, R. Kainuma, K. Ishida, J. Phys. D: Appl. Phys., Vol.42 (2009) 075003, 1 - 5

Neutron Diffraction Study on the Multiple Magnetization Plateaus in TbB<sub>4</sub> under Pulsed High Magnetic Field

\*S. Yoshii, K. Ohoyama, K. Kurosawa, H. Nojiri, M. Matsuda, P. Frings, F. Duc, B. Vignolle, G. L. J. A. Rikken, L.-P. Regnault, S. Michimura, F. Iga, Phys. Rev. Lett., Vol.103 (2009) 077203, 1 - 4

Magnetic Flux Oscillations in Partially Irradiated Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+ $\delta$</sub>  Crystals

\*D. Barnes, M. Sinvani, A. Shaulov, C. Trautmann, T. Tamegai, Y. Yeshurun, J. Appl. Phys., Vol.105 (2009) 07E310, 1 - 3

Softening of the Tunneling Gap in Modulation-doped GaAs/AlGaAs Asymmetric Coupled Double Quantum Wells in Magnetic Fields

Y. H. Shin, Y. H. Park, C. H. Perry, J. A. Simmons, T. Takamasu, K. Yongmin, Appl. Phys. Lett., Vol.95 (2009) 082102, 1

EuFe<sub>2</sub>As<sub>2</sub> under High Pressure: An Antiferromagnetic Bulk Superconductor

\*T. Terashima, M. Kimata, H. Satsukawa, A. Harada, K. Hazawa, S. Uji, H. S. Suzuki, T. Matsumoto, K. Murata, J. Phys. Soc. Jpn., Vol.78 (2009) 083701, 1 - 4

Resonant Magnetic X-ray Diffraction Study on the Triangular Lattice Antiferromagnet GdPd<sub>2</sub>Al<sub>3</sub>

\*T. Inami, N. Teradai, H. Kitazawa, O. Sakai, J. Phys. Soc. Jpn, Vol.78 (2009) 084713, 1 - 5

Narrow Carrier Concentration Range of Superconductivity and Critical Point of Pseudogap Formation Temperature in Pb-Substituted Bi<sub>2</sub>Sr<sub>2</sub>CuO<sub>6+δ</sub>

\*K. Kudo, N. Okumura, Y. Miyoshi, T. Nishizaki, T. Sasaki, N. Kobayashi, J. Phys. Soc. Jpn., Vol.78 (2009) 084722, 1 - 5

Antiferromagnetic Resonance in Sodium Clusters in Sodalite

\*T. Nakano, T. Kashiwagi, A. Hanazawa, K. Watanabe, M. Hagiwara, Y. Nozue, J. Phys. Soc. Jpn., Vol.78 (2009) 084723, 1 - 5

Interplay between Magnetism and Conductivity in the One-dimensional Organic Conductor TPP[Fe(Pc)(CN)<sub>2</sub>]<sub>2</sub>

\*M. Kimata,\* Y. Takahide, A. Harada, H. Satsukawa, K. Hazama, T. Terashima, S. Uji, Phys. Rev. B, Vol.80 (2009) 085110, 1 - 5

Quantum Oscillations in a Topological Insulator Bi<sub>1-x</sub>Sb<sub>x</sub>

A. A. Taskin, Y. Ando, Phys. Rev. B, Vol.80 (2009) 085303, 1 - 6

High-Field Ground-State Level Crossing and Magnetic Susceptibility of an {Fe<sub>8</sub>}-Cubane Cluster

\*A. Matsuo, K. Kindo, H. Nojiri, L. Engelhardt, M. Luban, E. K. Brechin, L. A. Gass, Phys. Rev. B, Vol.80 (2009) 092401, 1 - 3

Superconductivity at T<sub>c</sub> ~14 K in Single Crystalline FeTe<sub>0.61</sub>Se<sub>0.39</sub>

T. Taen, Y. Tsuchiya, Y. Nakajima, \*T. Tamegai, Phys. Rev. B, Vol.80 (2009) 092502, 1 - 4

Field Induced Spin-State Transition in LaCoO<sub>3</sub>

K. Sato, A. Matsuo, K. Kindo, \*Y. Kobayashi, K. Asai, J. Phys. Soc. Jpn., Vol.78 (2009) 093702, 1 - 4

Stabilization of Phase IV in Ce<sub>x</sub>La<sub>1-x</sub>B<sub>6</sub> (x=0.4, 0.5) by Pr and Nd Ion Dopings

\*A. Kondo, T. Taniguchi, H. Tanida, T. Matsumura, M. Sera, F. Iga, H. Tou, T. Sakakibara, S. Kunii, J. Phys. Soc. Jpn., Vol.78 (2009) 093708, 1 - 4

Spin-Echo NMR in Pulsed High Magnetic Fields up to 48 T

\*G. -q. Zheng, K. Katayama, M. Nishiyama S. Kawasaki, N. Nishihagi, S. Kimura, M. Hagiwara, K. Kindo, J. Phys. Soc. Jpn., Vol.78 (2009) 095001, 1 - 2

Quantum Critical Behavior in Highly Random Systems  $Tl_{1-x}K_xCuCl_3$  probed by Zero and Longitudinal-field Muon Spin Relaxation Measurements

\*T. Suzuki, F. Yamada, T. Kawamata, I. Watanabe, T. Goto, H. Tanaka, Phys. Rev. B, Vol.79 (2009) 104409, 1 - 5

Deviation from the Wiedemann-Franz Law Induced by Nonmagnetic Impurities in Overdoped  $La_{2-x}Sr_xCuO_4$

\*X. F. Sun, B. Lin, X. Zhao, L. Li, S. Komiya, I. Tsukada, Y. Ando, Phys. Rev. B, Vol.80 (2009) 104510, 1 - 7

Magnetic Field Induced Modification of Superfluid Density and Interplane Spectral weight in  $YB_2Cu_3O_y$

A. D. LaForge, \* W. J. Padilla, K. S. Burch, Z. Q. Li, A. A. Schafgans, K. Segawa, Y. Ando, D. N. Basov, Phys. Rev. B, Vol.79 (2009) 104516, 1 - 7

Magnetic Field-induced Modification of Superfluid Density and Interplane Spectral Weight in  $YBa_2Cu_3O_y$

\*A. D. LaForge, W. J. Padilla, K. S. Burch, Z. Q. Li, A. A. Schafgans, K. Segawa, Y. Ando, D. N. Basov, Phys. Rev. B, Vol.79 (2009) 104516, 1 - 8

Universal Critical behavior in Single Crystals and Films of  $YBa_2Cu_3O_{7-\delta}$

H. Xu, S. Li, S. M. Anlage, \*C. J. Lobb, M. C. Sullivan, K. Segawa, Y. Ando, Phys. Rev. B, Vol.80 (2009) 104518, 1 - 11

Magnetic and Transport Properties of FeAs Single Crystals

\*K. Segawa, Y. Ando, J. Phys. Soc. Jpn., Vol.78 (2009) 104720, 1 - 3

Neutron Diffraction Texture Analysis for  $\alpha-Al_2O_3$  Oriented by High Magnetic Field and Sintering

\*N. Terada, H. S. Suzuki<sup>1</sup>, T. S. Suzuki<sup>1</sup>, H. Kitazawa, Y. Sakka, K. Kaneko, N. Metoki, J. Phys. D: Appl. Phys., Vol.42 (2009) 105404, 1 - 5

Tuning Ferroelectric Polarization by Electric and Magnetic Fields in  $CuCrO_2$

\*K. Kimura, H. Nakamura, S. Kimura, M. Hagiwara, T. Kimura, Phys. Rev. Lett., Vol.103 (2009) 107201, 1 - 4

Textures and Non-Abelian Vortices in Atomic d-Wave Paired Fermi Condensates

\*H. M. Adachi, Y. Tsutsumi, J. A. M. Huhtamäki, K. Machida, J. Phys. Soc. Jpn., Vol.78 (2009) 113301, 1 - 4

Upper Critical Fields of the 11-System Iron-Chalcogenide Superconductor  $FeSe_{0.25}Te_{0.75}$

\*T. Kida, T. Matsunaga, M. Hagiwara, Y. Mizuguchi, Y. Takano, K. Kindo, J. Phys. Soc. Jpn., Vol.78 (2009) 113701, 1 - 4

A Portable High-Field Pulsed-Magnet System for Single-Crystal X-ray Scattering Studies

\*Z. Islam, J. P. C. Ruff, H. Nojiri, Y. H. Matsuda, K. A. Ross, B. D. Gaulin, Z. Qu, J. C. Lang, Rev. Sci. Instrum., Vol.80 (2009) 113902, 1 - 5

Possible Existence of Magnetic Polaron in Nearly Ferromagnetic Semiconductor  $\beta$ -US<sub>2</sub>

\*S. Ikeda, H. Sakai, N. Tateiwa, T. D. Matsuda, D. Aoki, Y. Homma, E. Yamamoto, A. Nakamura, Y. Shiokawa, Y. Ota, K. Sugiyama, M. Hagiwara, K. Kindo, K. Matsubayashi, M. Hedo, Y. Uwatoko, Y. Haga, Y. Onuki, J. Phys. Soc. Jpn., Vol.78 (2009) 114704 1 - 10

Competition between the Quadrupole Interaction and Crystalline Electric Field Effect in the Antiferromagnetic Ordered Phase of NdB<sub>6</sub>

\*T. Yonemura, H. Tanida, M. Sera, F. Iga, J. Phys. Soc. Jpn., Vol.78 (2009) 114705, 1 - 9

Electronic and Magnetic Properties of Rare Earth Compounds RPt<sub>2</sub>Ge<sub>2</sub> (R: La-Ho)

\*C. Tonohiro, Y. Nakano, F. Honda, T. Yamada, T. Takeuchi, K. Sugiyama, M. Hagiwara, K. Kindo, T. D. Matsuda, Y. Haga, M. Hedo, Y. Uwatoko, R. Settai, Y. Onuki, J. Phys. Soc. Jpn., Vol.78 (2009) 114706, 1 - 9

Systematic Study on Fluorine-Doping Dependence of Superconducting and Normal State Properties in LaFePO<sub>1-x</sub>F<sub>x</sub>

\*S. Suzuki, S. Miyasaka, S. Tajima, T. Kida, M. Hagiwara, J. Phys. Soc. Jpn., Vol.78 (2009) 114712, 1 - 6

Spatially Separated Indirect Photoemission in Undoped ZnSe/BeTe Type-II Quantum Wells Studied in Pulse Magnetic Fields

\*R. Shen, R. Akimoto, S. Takeyama, Semicond. Sci. Technol., Vol.24 (2009) 115011, 1 - 6

Three-Dimensional Electronic Structure of Superconducting Iron Pnictides Observed by Angle-Resolved Photoemission Spectroscopy

\*W. Malaeb, T. oshida, A. Fujimori, M. ubota, K. Ono, K. Kihou, P. M. Shirage, H. Kito, A. yo, H. Eisaki, Y. Nakajima, T. Tamegai, R. Arita, J. Phys. Soc. Jpn., Vol.78 (2009) 123706, 1 - 4

Heavy Fermion State in YbIr<sub>2</sub>Zn<sub>2</sub>O

\*S. Yoshiuchi, M. Toda, M. Matsushita, S. Yasui, Y. Hirose, M. Ohya, K. Katayama, F. Honda, K. Sugiyama, M. Hagiwara, K. Kindo, T. Takeuchi, E. Yamamoto, Y. Haga, R. Settai, T. Tanaka, Y. Kubo, Y. Onuki, J. Phys. Soc. Jpn., Vol.78 (2009) 123711 1 - 4

High-Field Magnetism of the Spin-Ladder Material Na<sub>2</sub>Fe<sub>2</sub>(C<sub>2</sub>O<sub>4</sub>)<sub>3</sub>(H<sub>2</sub>O)<sub>2</sub>

\*H. Yamaguchi, S. Kimura, Z. Honda, K. Okunishi, S. Todo, K. Kindo, M. Hagiwara, J. Phys. Soc. Jpn., Vol.78 (2009) 124701, 1 - 5

Magnetic Properties of RCoGe<sub>3</sub> (R: Ce, Pr and Nd) and Strong Anisotropy of the Upper Critical Field in Non-centrosymmetric Compound CeCoGe<sub>3</sub>

\*M. Measson, H. Muranaka, T. Kawai, Y. Ota, K. Sugiyama, M. Hagiwara, K. Kindo, T. Takeuchi, K. Shimizu, F. Honda, R. Settai, Y. Onuki, J. Phys. Soc. Jpn., Vol.78 (2009) 124713, 1 - 10

Kondo Lattice Effects and The Collapse of Lattice Coherence in Yb<sub>1-x</sub>Lu<sub>x</sub>B<sub>12</sub> Studied by Hard X-ray Photoelectron Spectroscopy

J. Yamaguchi, A. Sekiyama, \*S. Imada, H. Fujiwara, M. Yano, T. Miyamachi, G. Funabashi, M. Obara, A. Higashiya, K. Tamasaku, M. Yabashi, T. Ishikawa, F. Iga, T. Takabatake, S. Suga, Phys. Rev. B, Vol.79 (2009) 125121, 1 - 8

High-Resolution Spin-Flip Raman Scattering in CdTe Quantum Wells at <sup>3</sup>He Temperature

\*R. Shen, K. Oto, K. Muro, G. Karczewski, T. Wojtowicz, J. Kossut, S. Takeyama, Phys. Rev. B, Vol.80 (2009) 125312, 1

Second Hidden Triplet-Singlet Crossover of Charged Excitons in N-doped (Cd,Mn)Te/(Cd,Mg)Te in Ultra-High Magnetic Fields

\*Y. Hirayama, E. Kojima, S. Takeyama, G. Karczewski, T. Wojtowicz, J. Kossut, Phys. Rev. B, Vol.79 (2009) 125327, 1 - 7

Evidence of Spin Ground State in the Frustrated Antiferromagnetic Ring Cr<sub>8</sub>Ni

Y. Furukawa, K. Kiuchi, K. Kumagai, Y. Ajiro, Y. Narumi, M. Iwaki, K. Kindo, A. Bianchi, S. Carretta, P. Santini, F. Borsa, G. A. Timco, R. E. Winpenny, Physica B, Vol.79 (2009) 134416, 1 - 7

Josephson Scanning Tunneling Microscopy: A Local and Direct Probe of the Superconducting Order Parameter

\*H. Kimura, R. P. Barber, Jr., S. Ono, Y. Ando, R. C. Dynes, Phys. Rev. B, Vol.80 (2009) 144506, 1 - 16

Possible Phase Transition Deep Inside the Hidden Order Phase of Ultraclean URu<sub>2</sub>Si<sub>2</sub>

\*H. Shishido, K. Hashimoto, T. Shibauchi, T. Sasaki, H. Oizumi, N. Kobayashi, T. Takamasu, K. Takehana, Y. Imanaka, T. D. Matsuda, Y. Haga, Y. Onuki, Y. Matsuda, Phys. Rev. Lett., Vol.102 (2009) 156403, 1 - 4

Continuum vs. Discrete Flux behaviour in Large Mesoscopic Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+δ</sub> Disks

\*M. R. Connolly, M. V. Milosevic, S. J. Bending, J. R. Clem, T. Tamegai, Europhys. Lett., Vol.85 (2009) 17008, 1 - 6

Reversible Ferromagnetic Spin Ordering Governed by Hydrogen in Co-doped ZnO Semiconductor

Y. C. Cho, S. J. Kim, S. Lee, S. J. Kim, C. R. Cho, H. H. Nahm, C. H. Park, I. K. Jeong, S. Park, T. E. Hong, S. Kuroda, S. Y. Jeong, Appl. Phys. Lett., Vol.95 (2009) 172514, 1 - 3

Magnetic Susceptibilities in a Family of S=1/2 Kagome Antiferromagnets

T. Ono, K. Morita, M. Yano, H. Tanaka, K. Fujii, H. Uekusa, Y. Narumi, K. Kindo, Phys. Rev. B, Vol.79 (2009) 174407, 1 - 11

Quantum phase transition in (CuCl)La(Nb<sub>1-x</sub>Ta<sub>x</sub>)<sub>2</sub>O<sub>7</sub>

A. Kitada, Y. Tsujimoto, \*H. Kageyama, Y. Ajiro, M. Nishi, Y. Narumi, K. Kindo, M. Ichihara, Y. Ueda, Y. J. Uemura, K. Yoshimura, Phys. Rev. B, Vol.80 (2009) 174409, 1 - 5

<sup>63/65</sup>Cu- and <sup>35/37</sup>Cl-NMR Studies of Triplet Localization in the Quantum Spin System NH<sub>4</sub>CuCl<sub>3</sub>

H. Inoue, S. Tani, S. Hosoya, K. Inokuchi, T. Fujiwara, T. Saito, T. Suzuki, A. Oosawa, T. Goto, M. Fujisawa, H. Tanaka, T. Sasaki, S. Awaji, K. Watanabe, N. Kobayashi, Phys. Rev. B, Vol.79 (2009) 174418, 1 - 7

Elementary Excitations of the S=1/2 One-Dimensional Antiferromagnet KCuGaF<sub>6</sub> in a Magnetic Field and Quantum Sine-Gordon Model

\*I. Umegaki, H. Tanaka, T. Ono, H. Uekusa, H. Nojiri, Phys. Rev. B, Vol.79 (2009) 184401, 1 - 8

Novel Multiferroic State of Eu<sub>1-x</sub>Y<sub>x</sub>MnO<sub>3</sub> in High Magnetic Fields

\*M. Tokunaga, Y. Yamasaki, Y. Onose, M. Mochizuki, N. Furukawa, Y. Tokura, Phys. Rev. Lett., Vol.103 (2009) 187202, 1 - 4



Gigantic Magnetoelectric Effect Caused by Magnetic-Field-Induced Canted Antiferromagnetic- Paramagnetic Transition in Quasi-Two-Dimensional  $\text{Ca}_2\text{CoSi}_2\text{O}_7$  Crystal

\*M. Akaki, J. Tozawa, D. Akahoshi, H. Kuwahara, Appl. Phys. Lett., Vol.94 (2009) 212904, 1 - 3

Comprehensive Study on Ferroelectricity Induced by a Proper-Screw-Type Magnetic Ordering in Multiferroic  $\text{CuFeO}_2$ : Nonmagnetic Impurity Effect on Magnetic and Ferroelectric Order

\*T. Nakajima, S. Mitsuda, K. Takahashi, M. Yamano, K. Masuda, H. Yamazaki, K. Prokes, K. Kiefer, S. Gerischer, N. Terada, H. Kitazawa, M. Matsuda, K. Kakurai, H. Kimura, Y. Noda, M. Soda, M. Matsuura, K. Hirota, Phys. Rev. B, Vol.79 (2009) 214423. 1 - 13

Role of f Electrons in the Fermi Surface of the Heavy Fermion Superconductor  $\beta\text{-YbAlB}_4$

\*E. C. T. O'Farrell, D. A. Tompsett, S. E. Sebastian, N. Harrison, C. Capan, L. Balicas, K. Kuga, A. Matsuo, K. Kindo, M. Tokunaga, S. Nakatsuji, G. Csá'nyi, Z. Fisk, M. L. Sutherland, Phys. Rev. Lett., Vol.102 (2009) 216402, 1 - 4

Measurement of Electron Correlations in  $\text{Li}_x\text{CoO}_2$  ( $x=0.0\text{--}0.35$ ) Using  $^{59}\text{Co}$  Nuclear Magnetic Resonance and Nuclear Quadrupole Resonance Techniques

\*S. Kawasaki, T. Motohashi, K. Shimada, T. Ono, R. Kanno, M. Karppinen, H. Yamauchi, G. -q. Zheng, Phys. Rev. B, Vol.79 (2009) 220514, 1 - 4

Effect of Nd Substitution on the Magnetic Order in  $\text{Ce}_x\text{Nd}_{1-x}\text{B}_6$  Solid Solutions

\*J.-M. Mignot, J. Robert, G. André, M. Sera, F. Iga, Phys. Rev. B, Vol.79 (2009) 224426, 1 - 7

Transport Properties Governed by the Inductance of the Edges in  $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$

\*H. Beidenkopf, Y. Myasoedov, E. Zeldov, E. H. Brandt, G. P. Mikitik, T. Tamegai, T. Sasagawa, C. J. van der Beek, Phys. Rev. B, Vol.80 (2009) 224526, 1 - 5

Zn-impurity Effects on Quasiparticle Scattering in  $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$  Studied by Angle-resolved Photoemission Spectroscopy

T. Yoshida, S. Komiyama, X. J. Zhou, K. Tanaka, A. Fujimori, Z. Hussain, Z.-X. Shen, Y. Ando, H. Eisaki, S. Uchida, Phys. Rev. B, Vol.80 (2009) 245113, 1 - 7

Evolution of Superconductivity from a Charge-Density-Wave Ground State in Pressurized  $(\text{Per})_2[\text{Au}(\text{mnt})_2]$

\*D. Graf, J. S. Brooks, M. Almeida, J. C. Dias, S. Uji, T. Terashima, M. Kimata, Europhys. Lett., Vol.85 (2009) 27009, 1 - 5

Anisotropic Spin Fluctuations and Multiple Superconducting Gaps in Hole-Doped  $\text{Ba}_{0.72}\text{K}_{0.28}\text{Fe}_2\text{As}_2$ : NMR in a Single Crystal

K. Matano, Z. Li, G. L. Sun, D. L. Sun, C. T. Lin, M. Ichioka, \*G. -q. Zheng, Europhys. Lett., Vol.87 (2009) 27012, 1 - 6

High-Field Magnetization of a Two-Dimensional Spin Frustration System,  $\text{Ni}_5(\text{TeO}_3)_4\text{X}_2$  ( $\text{X} = \text{Br}, \text{Cl}$ )

\*J. L. Her, Y. H. Matsuda, K. Suga, K. Kindo, S. Takeyama, H. Berger, H. D. Yang, J. Phys. : Condens. Matter., Vol.21 (2009) 436005, 1 - 4

Magnetic Domain Structures in Superconductor/Ferromagnet Bilayer

Y. Nakao, Y. Nakajima, \*T. Tamegai, Physica C, Vol. (2010) , - to be published

Anomalous Vortex Penetrations into Square Superconducting Networks

\*Y. Tsuchiya, Y. Nakajima, T. Tamegai, T. Yamamoto, Y. Nakamura, J. S. Tsai, M. Hidaka, H. Terai, Z. Wang, Physica C, Vol. (2010) , - to be published

Intergranular Current in Iron-Oxypnictide Superconductors

T. Tamegai, Y. Tsuchiya, Y. Nakajima, Y. Kamihara, H. Hosono, Physica C, Vol. (2010) , - to be published

Characterization of Superconductivity in Fe(Te<sub>1-x</sub>Se<sub>x</sub>) Single Crystals with Tc=14 K

T. Taen, Y. Nakajima, T. Tamegai, Physica C, Vol. (2010) , - to be published

Preferential Diagonal Penetration of Vortices into Square Superconducting Networks

\*T. Tamegai, Y. Tsuchiya, Y. Nakajima, T. Yamamoto, Y. Nakamura, J. S. Tsai, M. Hidaka, H. Terai, Z. Wang, Physica C, Vol. (2010) , - to be published

Critical Current Densities and Vortex Dynamics in FeTe<sub>1-x</sub>Se<sub>x</sub> Single Crystals

T. Taen, Y. Tsuchiya, Y. Nakajima, T. Tamegai, Physica C, Vol. (2010) , - to be published

Critical Current Densities and Vortex Dynamics in Ba(Fe<sub>1-x</sub>Cox)<sub>2</sub>As<sub>2</sub> Single Crystals

\*T. Tamegai, T. Taen, Y. Tsuchiya, Y. Nakajima, S. Okayasu, M. Sasase, J. Supercond. Novel Magn., Vol. (2010) , 1 - 4 to be published

Development of Magnetically Aligned Single-Walled Carbon Nanotubes-Gelatin Composite Films

H. Momota, \*H. Yokoi, T. Takamasu, Journal of Nanoscience and Nanotechnology, Vol.10 (2010) , 3849 - 3853

High Field Magnetization and Magnetoresistance of CaCu<sub>3</sub>Ti<sub>4-x</sub>Ru<sub>x</sub>O<sub>12</sub>

\*T. Kida, R. Kammuri, S. Yoshii, M. Hagiwara, M. Iwakawa, W. Kobayashi, I. Terasaki, K. Kindo, J. Low Temp. Phys., Vol.159 (2010) , 143 - 146

Phase Transition of Josephson Vortices Under High Magnetic Fields up to 30 T in Heavily Overdoped YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> Single Crystals

\*T. Naito, H. Iwasaki, T. Nishizaki, N. Kobayashi, J. Low Temp. Phys., Vol.159 (2010) , 168 - 171

Photoluminescence Measurement of Er,O-Codoped GaAs under a Pulsed Magnetic Field up to 60 T

\*H. Ohta, O. Portugall, N. Ubrig, M. Fujisawa, H. Katsuno, E. Fatma, S. Okubo, Y. Fujiwara, J. Low Temp. Phys., Vol.159 (2010) , 203 - 207

Effect of Charge State in Nearby Quantum Dots on Quantum Hall Systems

\*K. Takehana, Y. Imanaka, T. Takamasu, M. Henini, J. Low Temp. Phys., Vol.159 (2010) , 234 - 237

High-frequency ESR Measurement at 315 GHz Using a Microcantilever

\*E. Ohmichi, N. Mizuno, S. Hirano, H. Ohta, J. Low Temp. Phys., Vol.159 (2010) , 276 - 279

<sup>59</sup>Co NMR at Pulsed High Magnetic Fields

\*G-q. Zheng, K. Katayama, M. Kandatsu, N. Nishihagi, S. Kimura, M. Hagiwara, K. Kindo, J. Low Temp. Phys., Vol.159 (2010) , 280 - 283

High-Magnetic-Field XMCD as a Novel Tool for the Study of Valence Fluctuation Phenomena—Application to Eu-based Intermetallic Compounds

\*Y. H. Matsuda, J. L. Her, T. Inami, K. Ohwada, Z. W. Ouyang, K. Okada, H. Nojiri, A. Mitsuda, H. Wada, N. Kawamura, M. Suzuki, J. Low Temp. Phys., Vol.159 (2010) , 292 - 296

Application of an Electro-Magnetic Induction Technique for the Magnetization up to 100 T in a Vertical Single-turn Coil System

\*R. Sakakura, Y. H. Matsuda, M. Tokunaga, E. Kojima, S. Takeyama, J. Low Temp. Phys., Vol.159 (2010) , 297 - 301

Magnetic Orders of Highly Frustrated Spinel, ZnCr<sub>2</sub>O<sub>4</sub> in Magnetic Fields up to 400 T

\*E. Kojima, A. Miyata, Y. Motome, H. Ueda, Y. Ueda, S. Takeyama, J. Low Temp. Phys., Vol.159 (2010) , 3 - 6

Development of Multi-extreme ESR Measurement System in Kobe

\*H. Ohta, E. Ohmichi, S. Okubo, T. Sakurai, M. Fujisawa, J. Low Temp. Phys., Vol.159 (2010) , 302 - 306

Development of the High-Field Imaging System in Pulsed-High Magnetic Fields and Its Application to Manganites

\*I. Katakura, M. Tokunaga, A. Matsuo, K. Kawaguchi, K. Kindo, M. Hitomi, D. Akahoshi, H. Kuwahara, J. Low Temp. Phys., Vol.159 (2010) , 319 - 323

High Field ESR Measurements of S=1/2 Quasi One-Dimensional Antiferromagnet Cu<sub>3</sub>Mo<sub>2</sub>O<sub>9</sub>

\*S. Okubo, T. Yoshida, M. Fujisawa, T. Sakurai, H. Ohta, T. Hamasaki, H. Kuroe, T. Sekine, M. Hase, K. Oka, T. Ito, H. Eisaki, J. Low Temp. Phys., Vol.159 (2010) , 32 - 36

Recent Developments of the Electro-Magnetic Flux Compression

\*S. Takeyama, H. Sawabe, E. Kojima, J. Low Temp. Phys., Vol.159 (2010) , 328 - 331

The International MegaGauss Laboratory at ISSP, The University of Tokyo

\*K. Kindo, S. Takeyama, M. Tokunaga, Y. H. Matsuda, E. Kojima, A. Matsuo, K. Kawaguchi, H. Sawabe, J. Low Temp. Phys., Vol.159 (2010) , 381 - 388

High-Field Studies on Single Crystals of EuFe<sub>2</sub>As<sub>2</sub>

\*M. Tokunaga, I. Katakura, N. Katayama, K. Ohgushi, J. Low Temp. Phys., Vol.159 (2010) , 601 - 605

### High Field Magnetism of $\text{Sr}_{0.78}\text{Y}_{0.22}\text{CoO}_{3-\delta}$ under High Pressure

\*T. Matsunaga, T. Kida, S. Kimura, M. Hagiwara, S. Yoshida, I. Terasaki, K. Kindo, J. Low Temp. Phys., Vol.159 (2010), 7 - 10

### High Field Magnetism of the Spinel Oxide $\text{CoAl}_2\text{O}_4$

\*S. Kimura, N. Nishihagi, H. Yamaguchi, T. Kashiwagi, M. Hagiwara, N. Terada, K. Kindo, J. Low Temp. Phys., Vol.159 (2010), 80 - 83

### Field-Induced Nematic Phase in the Spin Ladder System with Easy-Axis Anisotropy

\*T. Sakai, T. Tonegawa, K. Okamoto, Phys. Status Solidi B, Vol.247 (2010), 583 - 585

### Spin Dynamics of $S=1/2$ Kagome Lattice Antiferromagnets Observed by High-Field ESR

\*H. Ohta, W-M Zhang, S. Okubo, M. Fujisawa, T. sakurai, Y. Okamoto, H. Yoshida, Z. Hiroi, Phys. Status Solidi B, Vol.247 (2010), 679 - 681

### First-Order Phase Transition between One-Third Magnetization Plateau States in an Anisotropic $(S, S') = (1, 2)$ Spin-Alternating Chain

\*T. Tonegawa, K. Okamoto, T. Sakai, Phys. Status Solidi B, Vol.247 (2010), 688 - 690

### Unconventional S-Wave Superconductivity in $\text{Fe}(\text{Se}, \text{Te})$

T. Hanaguri, S. Niitaka, K. Kuroki, H. Takagi, Science, Vol.328 (2010), 474 - 476

### Reexamination of the Photochemical Primary Process of Photo-Fries Rearrangement Reaction as Studied by MFE Probe

M. Gohdo, \*M. Wakasa, Chem. Lett., Vol.39 (2010), 106 - 107

### Graphene-Like Magneto-Oscillations in Graphite Capacitor

\*T. Yoshida, K. Oto, Physica E, Vol.42 (2010), 684 - 686

### Ferroelectricity in a One-Dimensional Organic Quantum Magnet

\*F. Kagawa, S. Horiuchi, M. Tokunaga, J. Fujioka, Y. Tokura, Nat. Phys., Vol.6 (2010), 169 - 172

### Development of High-Speed Polarizing Imaging System for Operation in High Pulsed Magnetic Field

\*I. Katakura, M. Tokunaga, A. Matsuo, K. Kawaguchi, K. Kindo, M. Hitomi, D. Akahoshi, H. Kuwahara, Rev. Sci. Instrum., Vol.81 (2010), 1 - 5

### Anisotropic Magnetic Field Responses of Ferroelectric Polarization in the Trigonal Multiferroic $\text{CuFe}_{1-x}\text{Al}_x\text{O}_2$ ( $x=0.015$ )

\*T. Nakajima, S. Mitsuda, S. Kanetsuki, M. Yamano, S. Iwamoto, Y. Yoshida, H. Mitamura, Y. Sawai, M. Tokunaga, K. Kindo, K. Prokeš, A. Podlesnyak, Phys. Rev. B, Vol.81 (2010) 014422, 1 - 10

The Local Effect of Magnetic Impurities on Superconductivity in  $\text{Co}_x\text{NbSe}_2$  and  $\text{Mn}_x\text{NbSe}_2$  Single Crystals

\*M. Iavarone, G. Karapetrov, J. Fedor, D. Rosenmann, T. Nishizaki, N. Kobayashi, J. Phys.: Condens. Matter., Vol.22 (2010) 015501, 1 - 6

Electron Magnetic Resonance in Interacting Ferromagnetic-Metal Nanoparticle Systems: Experiment and Numerical Simulation

\*C. Mitumata, S. Tomita, M. Hagiwara, K. Akamatsu, J. Phys.: Condens. Matter., Vol.22 (2010) 016005, 1 - 10

High-Field ESR Measurements of  $S=1/2$  Kagome Lattice Antiferromagnet  $\text{BaCu}_3\text{V}_2\text{O}_8(\text{OH})_2$

\*W.-M. Zhang, H. Ohta, S. Okubo, M. Fujisawa, T. Sakurai, Y. Okamoto, H. Yoshida, Z. Hiroi, J. Phys. Soc. Jpn., Vol.79 (2010) 023708, 1 - 4

Magnetic and Fermi Surface Properties of  $\text{CePd}_5\text{Al}_2$  and  $\text{PrPd}_5\text{Al}_2$

\*Y. Nakano, F. Honda, T. Takeuchi, K. Sugiyama, M. Hagiwara, K. Kindo, E. Yamamoto, Y. Haga, R. Settai, H. Yamagami, Y. Onuk, J. Phys. Soc. Jpn., Vol.79 (2010) 024702, 1 - 9

Theoretical Study of XAS and XMCD Spectra for the Field-Induced Valence Transition in Eu Compounds

\*M. Oko, K. Okada, I. Harada, K. Akabli, H. T. Diep, J. Phys. Soc. Jpn., Vol.79 (2010) 024703, 1 - 7

Spiral-Plane Flop Probed by ESR in the Multiferroic Triangular-Lattice Antiferromagnet  $\text{CuCrO}_2$

\*H. Yamaguchi, S. Ohotomo, S. Kimura, M. Hagiwara, K. Kimurai, T. Kimura, T. Okuda, K. Kindo, Phys. Rev. B, Vol.81 (2010) 033104, 1 - 4

Sign Reversal of Field-Angle Resolved Heat Capacity Oscillations in a Heavy Fermion Superconductor  $\text{CeCoIn}_5$  and  $d_{x^2-y^2}$  Pairing Symmetry

\*K. An, T. Sakakibara, R. Settai, Y. Onuki, M. Hiragi, M. Ichioka, K. Machida, Phys. Rev. Lett., Vol.104 (2010) 037002, 1 - 4

Direct Mapping of the Spin-filtered Surface Bands of a Three-dimensional Quantum Spin Hall Insulator

A. Nishide, A. A. Taskin, Y. Takeichi, T. Okuda, A. Kakizaki, T. Hirahara, K. Nakatsuji, F. Komori, \*Y. Ando, I. Matsuda, Phys. Rev. B, Vol. (2010) 041309, 1 - 4

Universal Magnetic Structure of the Half-Magnetization Phase in Cr-Based Spinels

\*M. Matsuda, K. Ohoyama, S. Yoshii, H. Nojiri, P. Frings, F. Duc, B. Vignolle, G. L. J. A. Rikken, L.-P. Regnault, S.-H. Lee, H. Ueda, Y. Ueda, Phys. Rev. Lett., Vol.104 (2010) 047201, 1 - 4

Magnetization Process of the Kagome Lattice Antiferromagnet

\*H. Nakano, T. Sakai, J. Phys. Soc. Jpn., Vol.79 (2010) 053707, 1 - 4

Possibility of Magnetic-field-induced Reconstruction of the Fermi Surface in Underdoped Cuprates: Constraints from Infrared Magneto-optics

\*A. D. LaForge, A. A. Schafgans, S. V. Dordevic, W. J. Padilla, K. S. Burch, Z. Q. Li, K. Segawa, S. Komiyama, Y. Ando, J. M. Tranquada, D. N. Basov, Phys. Rev. B, Vol.81 (2010) 064510, 1 - 7

Specific-Heat Study of the  $Ce_{1-x}Y_xPdAl$  system

\*P. Cermak, H. Kitazawa, J. Prechal, P. Javorsky, J. Phys.: Condens. Matter., Vol.22 (2010) 126002, 1 - 6