

X-ray diffraction and absorption studies under strong pulsed magnetic fields

T. Inami, XX Congress of the International Union of Crystallography, 8.23-8.30 (2005) Florence, Italy

Quest for the high-field phase of  $\text{CdCr}_2\text{O}_4$  using an X-ray diffraction technique

T. Inami, K. Ohwada, M. Tsubota, Y. Murata, Y. H. Matsuda, H. Nojiri, H. Ueda, Y. Murakami, Yamada Conference LX RHMf2006, 8.16-8.19 (2006) Sendai

de Haas-van Alphen oscillations in  $\text{UNi}_2\text{Al}_3$

T. Terashima, K. Emoto, T. Kounoike, S. Uji, N. Satou, H. Yamagami, The International Conference on Strongly Correlated Electron Systems(SCES'05), 7.26-7.30 (2005) Vienna, Austria

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

T. Ebihara, S. Uji, T. Takahashi, K. Tezuka, M. Hedo, Y. Uwatoko, International conference on strongly correlated systems, 7.26-7.30 (2005) Vienna, Austria

Observation of two distinct magnetic states in  $\text{ZrZn}_2$  via the dHvA effect under pressure

T. Terashima, N. Kimura, G. Endo, T. Isshiki, A. Ochiai, H. Aoki, S. Uji, T. Matsumoto, G. G. Lonzarich, SCES04, 7.26-7.30 (2005) Karlsruhe, Germany

Anomalous Magnetic-Field-hysteresis of Shubnikov-de Haas oscillations in  $\kappa$ -(BETS) $_2$ FeBr $_4$

T. Konoike, S. Uji, T. Terashima, M. Nishimura, K. Enomoto, T. Yamaguchi, H. Fujiwara, Bin Zhang, H. Kobayashi, ISMC2005, 7.17-7.21 (2005) Kanagawa, Japan

Quantum oscillation of Hall resistance in high magnetic field SDW phase of  $(\text{TMTSF})_2\text{ClO}_4$

S. Uji, S. Yasuzuka, K. Enomoto, T. Konoike, J. Yamada, E. S. Choi, D. Graf, J. S. Brooks, ISMC2005, 7.17-7.21 (2005) Kanagawa, Japan

Power-law current-voltage characteristics in  $\theta$ -(BEDT-TTF) $_2$ CsZn(SCN) $_4$

T. Yamaguchi, T. Konoike, Enomoto, M. Nishimura, T. Yakabe, T. Terashima, S. Uji, H. M. Yamamoto, ISMC2005, 7.17-7.21 (2005) Kanagawa, Japan

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Possibility of FFLO state in organic superconductor  $\lambda$ -(BETS) $_2$ FeCl $_4$

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Charge transport in the insulating state of  $\theta$ -(BEDT-TTF) $_2$ CsZn(SCN) $_4$

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K. Enomoto, T. Yamaguchi, T. Yakabe, T. Terashima, T. Konoike, M. Nishimura, S. Uji, LT-24, 8.10-8.17 (2005) Florida, USA

Fermi Surface and Electronic Properties of  $\kappa$ -(BETS)<sub>2</sub>FeCl<sub>4</sub>

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Does FFLO state exist in magnetic field induced superconducting phase in  $\lambda$ -(BETS)<sub>2</sub>FeCl<sub>4</sub>

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

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Power-law Current-Voltage Characteristics of Charge-Ordered Crystals  $\theta$ -(BEDT-TTF)<sub>2</sub>MZn(SCN)<sub>4</sub> (M=Cs, Rb)

T. Yamaguchi, T. Konoike, K. Enomoto, M. Nishimura, T. Terashima, S. Uji, H. M. Yamamoto, APS March Meeting 2006, 3.13-3.17 (2006) Baltimore, USA

De Haas-van Alphen Effect Measurements under High Pressure Application to CeRhSi<sub>3</sub>

T. Terashima, T. Matsumoto, S. Uji, N. Kimura, H. Aoki, RHMF2006, 8.16-8.19 (2006) Sendai, Japan

Low temperature resistivity measurements in a wide range of magnetic field and pressure in UGe<sub>2</sub>

T. Terashima, K. Enomoto, T. Konoike, T. Matsumoto, S. Uji, N. Kimura, M. Endo, T. Komatsubara, H. Aoki, K. Maezawa, ICM2006, 8.20-8.25 (2006) Kyoto, Japan

Non-Linear Current-Voltage Characteristics of  $\theta$ -(BEDT-TTF)<sub>2</sub>MZn(SCN)<sub>4</sub> (M=Cs, Rb)

T. Yamaguchi, T. Konoike, K. Enomoto, M. Nishimura, T. Terashima, S. Uji, H. Yamamoto, ICSM2006, 7.2-7.7 (2006) Dublin, Ireland

FFLO state and vortex dynamics in two dimensional magnetic-field-induced organic superconductor

S. Uji, The Vth symposium on new trends of physics, 6.9-6.11 (2006) Sapporo, Japan

Magnetic Torque in Superconducting State of  $\kappa$ -(BETS)<sub>2</sub>Fe<sub>x</sub>Ga<sub>1-x</sub>ClO<sub>4</sub>

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Large positive magnetoresistance of non-magnetic insulating organic crystals

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Novel quantum oscillation of Hall resistance in (TMTSF)<sub>2</sub>ClO<sub>4</sub>

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Spin and Charge Dynamics in High- $T_c$  Cuprates

T. Tohyama, Sixth International Conference on New Theories, Discoveries and Applications of Superconductor and Related Materials (New<sup>3</sup>SC-6), 1.9-1.7 (2007) Sydney, Australia

Momentum-Dependent Charge Dynamics in High- $T_c$  Cuprates

T. Tohyama, International Conference on Stripes (STRIPES2006), 12.20-12.23 (2006) Roma, Italy

Quantum phase transition of a spin tube and edge spin effects

K. Okunishi, U.S.-Japan Bilateral Seminar: Simulations of Complex Behavior from Simple Models, 7.17-20 (2006) Maui, U.S.A

Real space renormalization group approach for the corner Hamiltonian

K. Okunishi, Computational Approaches and Quantum Critical Phenomena, 8.9-8.11 (2006) Kashiwa, Japan

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K. Okunishi, ICM2006, kyoto, 8.20-8.25 (2006) Kyoto, Japan

High Field Magneto-optical Study of Unbundled SWNTs to 120 T

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H. Yokoi, K. Mori, N. Kuroda, Y. Kim, K. Miyashita, S. Kazaoui, N. Minami, E. Kojima, S. Takeyama, 28th International Conference on the Physics of Semiconductors, 7.24-7.28 (2006) Wien, Austria

Imaging of Current Concentration in Sub-linear Width Dependent Quantum Hall Breakdown

K. Oto, T. Katagiri, M. Dohi, R. Yonamine, T. Ishihara, 28th International Conference on the Physics of Semiconductors, 7.24-7.28 (2006) Vienna, Austria

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

M.Dohi, R.Yonamine, K.Oto, K.Muro, 17th International Conference on High Magnetic Fields in Semiconductor Physics, 7.30-8.4 (2006) Wurzburg, Germany

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

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Unidentified Spin-flip Excitation in  $\text{CdZnTe}/\text{CdZnMnTe}$  Quantum Wells

K.Arahara, D.Fukuoka, T.Koyama, K.Oto, K.Muro, S.Takeyama, G.Karczewski, T.Wojtowicz, J.Kossut, 17th International Conference on High Magnetic Fields in Semiconductor Physics, 7.30-8.4 (2006) Wurzburg, Germany

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Optical fiber system for the high resolution resonant Raman spectroscopy at 3He temperature in a high magnetic field

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Low energy spectroscopic mapping study on  $(\text{Ca,Na})_2\text{CuO}_2\text{Cl}_2$

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Physical properties at high magnetic field in  $\text{CeIn}_{2.75}\text{Sn}_{0.25}$

T. Ebihara, International Conference on Magnetism, 8.21-8.25 (2006) Kyoto

Reduction of Neel temperature of  $\text{CeIn}_3$  by La doping

Y. Iwamoto, T. Ebihara, International Conference on Magnetism, 8.21-8.25 (2006) Kyoto

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

K. Kumagai, International Conference on Strongly Correlated Electron Systems (SCES05), 6.26-6.30 (2005) Vienna, Austria

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

K. Kumagai, The 4th International Conference on Magnetic and Superconducting, 9.5-9.8 (2005) Agadir, Morocco

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K. Kumagai, NATO Advanced Research Workshop on Electron Correlation in New Materials and Nanosystems, 9.19-9.23 (2005) Yalta, Ukraine

Texture in  $\text{CeCoIn}_5$  Probed by  $^{115}\text{In}$ -NMR Study

K. Kumagai, International ICAM Workshop:NMR/EPR of Correlated Electron Superconductors, 10.15-10.21 (2005) Dresden, Germany

NMR Study of the FFLO State in CeCoIn<sub>5</sub>

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NMR studies of spin dynamics in nanoscale molecular magnet V15 at very low temperature

Y. Furukawa, Y. Nishisaka, K. Kumagai, P. Kögerler, International conference on Magnetism, 8.20-8.25 (2006) Kyoto, Japan

<sup>1</sup>H-NMR Studies of Quantum Spin Chain System (CH<sub>3</sub>)<sub>2</sub>NH<sub>2</sub>CuCl<sub>3</sub> at Very Low Temperature

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NMR Studies of Superconducting and Normal Properties of Li<sub>2</sub>Pt<sub>3</sub>B and Li<sub>2</sub>Pd<sub>3</sub>B without Inversion Symmetry

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Magnetic properties of Heisenberg triangular system V15 cluster studied by NMR

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X-ray magnetic circular dichroism at L edges of Er in Laves phase compounds

I. Harada, A. Fujiwara, A. Kotani, XAFS13, 7.7-7.17 (2006) California, USA

Field-Induced Quantum Ordered Phases in an Anisotropic Haldane System

H. Miyazaki, T. Hiwasa, I. Harada, The International Conference on Research in High Magnetic Fields (Yamada Conference LX RHMF2006) , 8.16-8.19 (2006) Sendai, Japan

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## High Magnetic Field Study of Rare-earth Doped GaAs/AlAs Superlattices

T. Takamasu, K. Satou, 28th International Conference on the Physics of Semiconductors, 7.24-7.28 (2006) Vienna, Austria

## Fabrication and Characterization of n-type modulation doped (Cd, Cr) Te quantum well

F. Takano, T. Nishizawa, J.W. Lee, S. Kuroda, H. Ofuchi, Y. Imanaka, T. Takamasu, G. Kido, K. Takita, H. Akinaga, 28th International Conference on the Physics of Semiconductors, 7.24-7.28 (2006) Vienna, Austria

## Fabrication of a Micro-coil Pulsed Magnet System and its Application for Solid State Physics

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## Influence of nearby QD layer on 2DES in quantum Hall regime

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## Crossing of Zeeman Levels in quantum Hall systems of CdMnTe

Y. Imanaka, T. Takamasu, G. Karczewski, T. Wojtowicz, J. Kossut, Yamada Conference LX on Research in High Magnetic Fields, 8.16-8.19 (2006) Sendai, Japan

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## Magnetic Field Effects on the Photochemical Reactions in Ionic Liquids Under Ultra-High Fields of up to 27T.

Hamasaki, T. Takamasu, Y. Sakaguchi, M. Wakasa, Spin Chemistry Meeting 2007, 6.18-6.21 (2007) Venice, Italy

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A. Hamasaki, T. Takamasu, Y. Sakaguchi, M. Wakasa, COIL-2, 8.5-8.10 (2007) Yokohama, Japan

## Cyclotron Resonance in 2D electron systems of II-VI Diluted Magnetic Semiconductor

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## Significant influence of carrier doping on ferromagnetism in (Zn,Cr)Te

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Anisotropic magneto-transport properties of  $Zn_{1-x}Co_xO$  thin films grown by pulsed laser deposition

J. W. Lee, S. Kuroda, K. Takita, 3rd International School and Conference on Semiconductor Spintronics and Quantum Information Technology (SPINTECH-III), 8.1-8.5 (2005) Awaji, Japan

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PR Measurements of a Two-dimensional Spin Frustrated System, BIPNNBNO with  $S=1$  and  $S=1/2$

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Magnetic Properties of a Spin-1 Ladder under Pressure

Y. Hosokoshi, Y. Konishi, S. Nishihara, K. Inoue, International Conference on Magnetism 2006, 8.20-8.25 (2006) Kyoto, Japan

Stripes, quantum critical point and phase separation in  $La_{2-x}Sr_xCuO_4$

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Phase separation in the overdoped regime of  $La_{2-x}Sr_xCuO_4$

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Anisotropy of Resistivity and Vortex State in Untwinned  $YBa_2Cu_3O_y$  Single Crystals

T. Nishizaki, H. Fujita, K. Kasuga, N. Kobayashi, 18th International Symposium on Superconductivity (ISS2005), 10.24-10.26 (2005) Tsukuba, Japan

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

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Application of miniature pulsed magnets to synchrotron X-ray spectroscopy and neutron diffraction

Y. H. Matsuda, Y. Murata, T. Inami, K. Ohwada, H. Nojiri, K. Ohoyama, N. Katoh, Y. Murakami, F. Iga, T. Takabatake, A. Mitsuda, H. Wada, The International Conference on Research in High Magnetic Fields (Yamada Conference LX RHMF2006) , 8.16-8.19 (2006) Sendai

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Vortex Phase Diagram in Heavy Ion Irradiated Untwinned  $\text{YBa}_2\text{Cu}_3\text{O}_y$  Single Crystals

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