

Poster session

16:50 – 18:20, Saturday December 3, 2011. Chairperson: H. Yamaguchi (Osaka Pref. Univ.)

- P-1 ***Effect of Born and unitary impurity scattering on the Kramer-Pesch shrinkage of a vortex core in an s-wave superconductor***
N. Hayashi, Osaka Prefecture University
- P-2 ***Simulation of Scanning Tunneling Microscopy with Molecular Tips***
S. Saiki and N. Hayashi, Osaka Prefecture University
- P-3 ***Phase-sensitive Flux-flow Resistivity in Unconventional Superconductors***
Y. Higashi, Y. Nagai, M. Machida, and N. Hayashi, Osaka Prefecture University
- P-4 ***Numerical analysis on stability of a time oscillating discrete state coupled with a continuum***
K. Noba, Osaka Prefecture University
- P-5 ***Complex Eigenvalue Problem of Floquet Hamiltonian of Driven Friedrichs Model***
N. Yamada, S. Tanaka, K. Noba, and T. Petrosky, Osaka Prefecture University
- P-6 ***Complex Eigenvalue Problem of Liouvillian for Weakly Coupled One-dimensional Quantum Lorentz Gas***
K. Hashimoto, Y. Sakaguchi, K. Kanki, S. Tanaka, and T. Petrosky, Osaka Prefecture University
- P-7 ***Photo-induced relaxation dynamics of spin-electron coupled systems***
W. Koshibae, N. Furukawa, and N. Nagaosa, RIKEN
- P-8 ***Scattering control of Bloch electrons under an oscillating external field***
Y. Mizumoto and Y. Kayanuma, Osaka Prefecture University
- P-9 ***Spectroscopy of quasi-particle bound states around a pair of half-quantum vortices in triplet p-wave ($p_x \pm ip_y$) superconductors***
Y. Niwa, M. Kato, and K. Maki, Osaka Prefecture University
- P-10 ***Double Cluster Model Study of NiO 2p X-ray Photoemission Spectroscopy and Resonant Inelastic X-ray Scattering***
A. Hariki and T. Uozumi, Osaka Prefecture University
- P-11 ***Non-phenomenological Impurity Model Analysis of Resonant Inelastic X-ray Scattering for 3d System***
Y. Kawano and T. Uozumi, Osaka Prefecture University
- P-12 ***A Non-phenomenological Framework for X-ray Spectroscopy Analysis - Theoretical Scheme and Application to 3d Systems -***
T. Uozumi, Osaka Prefecture University
- P-13 ***Raman Scattering Emission from Silicon High-Q Photonic Crystal Nanocavities***
Y. Takahashi, R. Terawaki, M. Chihara, T. Asano, Y. Inui, and S. Noda, Osaka Prefecture University
- P-14 ***Role of non-radiative relaxation process in formation of organic nano-particles by liquid laser ablation***
I. Akimoto, M. Ohata, N. Ozaki and G. Ping, Wakayama University
- P-15 ***Structural change of single-walled carbon nanotubes induced by soft x-ray irradiation***
K. Asai, T. Murakami, and C. Itoh, Wakayama University
- P-16 ***Free exciton luminescence of anthracene nanocrystals***
M. Yamashita, T. Kawai, and K. Mizoguchi, Osaka Prefecture University

- P-17 ***Energy transfer from CsI host crystals to Ag⁻ centers in CsI:Ag⁻***
S. Nagata, T. Hirai, and T. Kawai, *Osaka Prefecture University*
- P-18 ***Temperature dependence of optical reflectance spectrum in layered iron oxide LuFe₂O₄***
T. Go, G. Oohata, S. Mori, N. Ikeda, and K. Mizoguchi, *Osaka Prefecture University*
- P-19 ***Characteristics of Cavity Polaritons in CuCl Microcavities***
S. Yoshino, G. Oohata, Y. Shim, H. Ishihara, and K. Mizoguchi, *Osaka Prefecture University*
- P-20 ***Observation of coherent oscillation in CuI thin film on Au nano-film***
S. Isshiki, G. Oohata, and K. Mizoguchi, *Osaka Prefecture University*
- P-21 ***Design of Spatiotemporal Profiles in Light Electromagnetic Field for Efficient Fluctuation-mediated Optical Transport of Nanoparticles***
M. Tamura, S. Hidaka, H. Hattori, and T. Iida, *Osaka Prefecture University*
- P-22 ***Theory of Optical Response of Two-dimensional Array of High-density Metallic Nanoparticles for Optical Sensor of Organic Molecules***
K. Yamamoto, H. Hattori, S. Tanaka, and T. Iida, *Osaka Prefecture University*
- P-23 ***Spin-polarized electronic states of La_{1-x}Sr_xMnO₃ studied by magnetic Compton scattering***
T. Mizoroki, M. Itou, Y. Taguchi, T. Iwazumi, and Y. Sakuraib, *Osaka Prefecture University*
- P-24 ***Observation of Two Raman Components in Resonant X-ray Emission Spectra of Fe Cyanides***
T. Iwazumi, A. Ueno, M. Tanaka, Y. Koga, T. Ikeuchi, H. Tokoro, S. Ohkoshi, and Y. Isozumi, *Osaka Prefecture University*
- P-25 ***Orbital Ordering in Spinel Compound CuV₂S₄ with Incommensurate Charge-Density Wave***
S. Kawaguchi, Y. Kubota, N. Tsuji, J. Kim, K. Kato, M. Takata, and H. Ishibashi, *Osaka Prefecture University*
- P-26 ***Fe Site Substitution Effect on the Structural and Magnetic Properties in Spinel Type FeV₂O₄***
H. Ishibashi and Y. Kitadai, *Osaka Prefecture University*
- P-27 ***Ab-initio structure determination of [Cu(dhbc)₂(dpa)]_n as high CO₂ adsorption materials***
Y. Sato, Y. Kubota, Y. Inubushi, and M. Takata, *Osaka Prefecture University*
- P-28 ***The magnetic interactions in crystals of meta- and paraphenylenebisverdazyl biradicals***
K. Iwase, H. Yamaguchi, T. Ono, T. Shimokawa, H. Nakano, H. Nojiri, A. Matsuo, K. Kindo, T. Sakai, and Y. Hosokoshi, *Osaka Prefecture University*
- P-29 ***Structure and magnetic properties of new verdazyl monoradical crystals***
H. Yamaguchi, A. Toho, K. Iwase, T. Ono, M. Hagiwara, and Y. Hosokoshi, *Osaka Prefecture University*
- P-30 ***Magnetic properties and crystal structure of bisverdazylbiphenyl***
S. Nagata, M. Tada, H. Yamaguchi, T. Ono, T. Simokawa, H. Nakano, H. Nojiri, A. Matsuo, K. Kindo, and Y. Hosokoshi, *Osaka Prefecture University*

- P-31 ***Magnetic properties of an antiferromagnetic alternating chain compound F_3PNN and deuteration effects***
N. Amaya, N. Obata, H. Yamaguchi, T. Ono and Y. Hosokoshi, *Osaka Prefecture University*
- P-32 ***Low temperature magnetic properties of an organic $S=1$ ladder BIP-TENO in magnetic fields***
N. Hasegawa, H. Yamaguchi, T. Ono, K. Kindo, H. Suwa, S. Todo, Y. Narumi, A. Toda, Y. Nogami, and Y. Hosokoshi, *Osaka Prefecture University*
- P-33 ***Crystal structure and magnetic properties of a new heterobiradical with a nitroxide and a verdazyl PVNO***
Y. Tagawa, H. Yamaguchi, T. Ono, and Y. Hosokoshi, *Osaka Prefecture University*
- P-34 ***The crystal structure and low-temperature physical properties of an $S=1$ organic spin dimer compound $Br_2Ph-BNO$***
K. Iwashita, H. Yamaguchi, T. Ono, A. Matuo, K. Kindo, and Y. Hosokoshi, *Osaka Prefecture University*
- P-35 ***Low temperature magnetic properties of an organic triangular spin system, $TNN \cdot CH_3CN$, in magnetic fields***
K. Takada, S. Iisaka, Y. Takano, J.-H. Park, T. P. Murphy, H. Yamaguchi, T. Ono, Y. Shimura, T. Sakakibara, H. Nakano, and Y. Hosokoshi, *Osaka Prefecture University*
- P-36 ***Crystal structure and magnetic properties of organic triangular spin systems, $TIM \cdot CH_3CN$ and $BNN \cdot CH_3CN$***
A. Higashiguchi, K. Takada, S. Iisaka, M. Nakaji, H. Yamaguchi, T. Ono, Y. Takano, J. -H. Park, T. P. Murphy, and Y. Hosokoshi, *Osaka Prefecture University*
- P-37 ***The crystal structures and the magnetic properties of trichlorophenyl nitronyl nitroxide radicals***
N. Obata, H. Yamaguchi, T. Ono, and Y. Hosokoshi, *Osaka Prefecture University*
- P-38 ***Strong Renormalization of Spin Wave Spectrum in an $S=1/2$ Kagome Antiferromagnet***
T. Ono, H. Yamaguchi, Y. Hosokoshi, K. Matan, N. Yusuke, T. J Sato, J. Yamaura, and H. Tanaka, *Osaka Prefecture University*
- P-39 ***Construction of Low-Temperature Thermal Relaxation Calorimeter for Small Amount of Samples***
Y. Horie, S. Fukuoka, and Y. Nakazawa, *Osaka University*
- P-40 ***Thermodynamic Study of Chiral Molecule Magnets***
S. Fukuoka, T. Yamamoto, Y. Nakazawa, H. Higashikawa, and K. Inoue, *Osaka University*
- P-41 ***Fabrication and structural evaluation of Two Dimensional Polymer Sheets composed of a triangle-shape molecule connected by hydrogen/coordination bonding***
K. Tsuchiyama and R. Makiura, *Osaka Prefecture University*
- P-42 ***Control of the in-plane molecular arrangement of metal-organic framework nanofilms: application of a ditopic trans-coordinative porphyrin derivative***
R. Usui and R. Makiura, *Osaka Prefecture University*
- P-43 ***Nanoparticles-Embedded and Crosslinked Hydrogels Capable of Very Slow-Release of a Model Drug***
Y. Watanabe and C. Kojima, *Osaka Prefecture University*