13th March, 2015

Original Papers

● **K. Matsuura**, H. Sagayama, Y. Nii, N. D. Khanh, N. Abe, and T. Arima, "*X-ray Magnetic Circular Dichroism Study of the Orbital Ordered State in the Spinel-type Vanadium Oxide AV_2O_4 (A=Mn, Fe)*", submitted

●J. Nasu, T. Kaji, **K. Matsuura**, M. Udagawa, and Y. Motome, "*Finite-temperature phase transition to a quantum spin liquid in a three-dimensional Kitaev model on a hyperhoneycomb lattice*", Phys. Rev. B **89**, 115125 (2014)

Presentations

(1) International Conferences

● **K. Matsuura**, H. Sagayama, Y. Nii, N. D. Khanh, N. Abe, and T. Arima, "*X-ray Magnetic Circular Dichroism in the Spinel-type Vanadium Oxides AV_2O_4 (A=Mn,Fe)*", 20th International Conference on Magnetism, Barcelona, Spain (2015) (Poster)

●**K. Matsuura***, A. Uehara*, Y. Nii, N. Abe, H. Sagayama, T. Arima, Sungdae Ji, and R. Kajimoto, "*Magnetic Excitations in MnV_2O_4 Studied by Inelastic Neutron Scattering*", APS March Meeting, A54.00009, Denver (USA) (2014) (Oral)

●**K. Matsuura***, A. Uehara*, Y. Nii, N. Abe, H. Sagayama, T. Arima, Sungdae Ji, and R. Kajimoto, "*Magnetic Excitations in MnV_2O_4 Studied by Inelastic Neutron Scattering*", FIRST-QS^{2}C Work Shop on Emergent Phenomena of Correlated Materials, Shinagawa (2013) (Poster)

●**K. Matsuura***, A. Uehara*, Y. Nii, N. Abe, H. Sagayama, T. Arima, Sungdae Ji, and R. Kajimoto, "*Magnetic Excitations in MnV_2O_4 Studied by Inelastic Neutron Scattering*", Light and Particle Beams in Materials Science 2013, Tsukuba (2013) (Poster)

●**K. Matsuura***, A. Uehara*, Y. Nii, N. Abe, H. Sagayama, T. Arima, Sungdae Ji, and R. Kajimoto, "*Magnetic Excitations in MnV_2O_4 Studied by Inelastic Neutron Scattering*", The International Conference on Strongly Correlated Electron Systems, 5-9, Hongo (2013) (Poster)

●**K. Matsuura***, A. Uehara*, Y. Nii, N. Abe, H. Sagayama, T. Arima, Sungdae Ji, and R. Kajimoto, "*Magnetic Excitations in MnV_2O_4 Studied by Inelastic Neutron Scattering*", International Symposium on Spin Waves 2013, 2-9, St.Petersburg (Russia) (2013) (Poster)

(2) Domestic Conferences

● **K. Matsuura**, N.D. Khanh, Y. Nii, N. Abe, H. Sagayama and T. Arima, "XMCD による FeV_2O_4 の軌道角運動量の研究", JPS Meeting (Spring), 28pCE-11, Kanagawa (2014)

● **K. Matsuura***, A. Uehara*, Y. Nii, N. Abe, H. Sagayama, T. Arima, Sungdae Ji, and R. Kajimoto, "*Magnetic Excitations in MnV_2O_4 Studied by Inelastic Neutron Scattering*", PS-4, Annual Meeting of Japanese Society for Neutron Science (2013)

● **K. Matsuura***, A. Uehara*, Y. Nii, N. Abe, H. Sagayama, T. Arima, Sungdae Ji, and R. Kajimoto, "非弾性中性子散乱実験による MnV_2O_4 の磁気励起の観測", JPS Meeting (Spring), 29pXY-7, Hiroshima (2013)

(3) Symposium

● **松浦 慧介**, "X線磁気円二色性を用いたスピネル型酸化物 AV_2O_4 (A=Mn,Fe)の軌道角運動量に関する研究", 第 3 回物構研サイエンスフェスタ, 026B (2015.3.17- 18)

● **松浦 慧介**, "XMCD による FeV_2O_4 の軌道角運動量の研究", 第 4 回東大新領域・KEK 連携教育シンポジウム (2014)

Awards

●Poster session Awards, Condensed-Matter Physics Summer School: Best Speaker Presentation Award (2013.8)

●Poster Awards, Annual Meeting of Japanese Society for Neutron Science (2013.12)

●Shohji Tanaka Prize (Master Thesis Award), Department of Applied Physics, The University of Tokyo (2015.3)

●Master Thesis and Presentation Award, Department of Advanced Materials Science, The University of Tokyo (2015.3)

Memberships

●The Physical Society of Japan (JPS)

●American Physical Society (APS)

●Japanese Society for Neutron Science

Scholarships

●Materials Education program for the future leaders in Research, Industry, and Technology (MERIT), the University of Tokyo (2013.10-)

●Japan Society for the Promotion of Science (JSPS) Research Fellowship for Young Scientists (DC1) (2015.4-)