

Activity Report on Neutron Scattering Research in HQR (T1-1) (2003~2006)

2006年 (Vol. 13)

nact06-33384 Behavior of Σ_2 - Σ_3 phonon branches in A₂BO₄-type dielectrics
H. Shigematsu, M. Nishimura, C. Ikezoe, and Y. Akishige

nact06- 33456 Lattice dynamics of cubic PbTiO₃
I. Tomeno, M. Nishi, Y. Tsunoda, Y. Ishii, and K. Oka

nact06- 33453 Zone-center TO phonons in KTa_{1-x}NbxO₃
I. Tomeno, M. Nishi, Y. Tsunoda, K. Oka, and H. Unoki

nact06- 33696 Neutron diffraction studies on TbPdSn
Y. Andoh, Z. Ingjien, M. Kurisu, G. Nakamoto, T. Tsutaoka, and S. Kawano

nact06- 33354 Neutron diffraction study on DyRhGe Compound
G. Nakamoto, Y. Ueda, D. T. K. Anh, M. Kurisu, Y. Andoh, T. Tsutaoka, and S. Kawano

nact06- 33352 Magnetism of one-dimensional compounds, Ba₃Cu₃(AO₃)₄ with A=In, Sc
M. Nishi, M. Isobe, Y. Ueda, H. Kageyama, and K. Ohoyama

nact06- 33439 Transverse spin component in FeNi Invar alloys
S. Shimomura and Y. Tsunoda

nact06- 33473 Magnetic anisotropy measurements on PtMn ordered alloy
T. Shinozaki and Y. Tsunoda

nact06- 33477 Inelastic neutron scattering of a spinel type magnetic geometrical frustration system MgCr₂O₄
H. Suzuki and Y. Tsunoda

nact06- 33485 Neutron Diffraction Studies on Dy₇Rh₃
T. Tsutaoka, Y. Andoh, Z. Ingjie, S. Kawano, G. Nakamoto, and M. Kurisu

nact06- 33466 Spin-glass-like behavior of the MnCu alloy II
M. Yanagida and Y. Tsunoda

nact06- 33476 Magnetism of Pt₃Fe alloy under uniaxial pressure

S. Yano and Y. Tsunoda

nact06- 33458 Successive magnetic transitions of the Kagome staircase compound Co₃V₂O₈
Y.Yasui, Y. Kobayashi, T. Moyoshi, M. Soda, M. Sato, and K. Kakurai

nact06- 33445 Magnetic structure of Nd_{0.45}Sr_{0.55}Mn_{0.95}Cr_{0.05}O₃
Y. Oohara, M. Kubota, and J. Takeuchi

nact06- 33311 Development of hybrid type pressure cell installable in 3He-4He dilution refrigerator for neutron scattering experiment

T. Fujiwara, N. Aso, M. Nishi, Y. Uwatoko, and K. Hirota

nact06- 33371 Anomalous magnetic specific heat in partially disordered phase of spin frustration system CuFeO₂

T. Fujii, N. Terada, T. Nakajima, and S. Mitsuda

2005 年 (Vol. 12)

Research Highlights 2005 p.24-25.

Spin Frusyration in Octahedral Antiferromagnet Mn₃Pt

Y. Tsunoda

Research Highlights 2005 p.32-33.

Relationships between magnetic and ferroelectric phase transitions in multiferroics RMn₂O₅

S. Kobayashi, T. Osawa, H. Kimura, Y. Noda, I. Kagomiya and K. Kohn

nact05- 33146 Phonon behavior of a quantum paraelectric KTaO₃ doped by Li

Y. Ishida, Y. Uesu, and Y. Yamada

nact05- 33200 Phonon dispersion in hexagonal barium titanate

H. Shigematsu and Y. Akishige

nact05- 33124 Lattice dynamics of cubic PbTiO₃

I.Tomeno, M. Nishi, Y. Tsunoda, Y. Ishii, and K. Oka

nact05- 33114 Magnon dispersion relation in PtFe alloy

S. Akiyama and Y. Tsunoda

nact05- 33151 Neutron diffraction studies on DyPdSn

Y. Andoh, M. Kurisu, G. Nakamoto, T. Tsutaoka, and S. Kawano

nact05- 33116 Neutron scattering study on ZnMn₂O₄

T. Arai, K. Kamazawa, and Y. Tsunoda

nact05- 33235 Magnetic structure of YbMn₂Ge₂ under high pressure

T. Fujiwara, N. Aso, M. Nishi, Y. Uwatoko, and K. Hirota

nact05- 33190 Magnetic structure and anomalous Hall effect in CrTe_{1-x}Sbx

H. Harashina

nact05- 33099 Low temperature magnetic phase transitions of multiferroic TmMn₂O₅ and TbMn₂O₅

S. Kobayashi, H. Kimura, Y. Noda, and K. Kohn

nact05- 33228 Magnetic structure in CrB₂

Y. Kousaka, H. Ichikawa, H. Kimura, Y. Noda, and J. Akimitsu

nact05- 33115 Magnetic anisotropy in MnPt L10-type ordered alloy

R. Motomura and Y. Tsunoda

nact05- 33205 Neutron diffraction study on YbPdGe compound

G. Nakamoto, D. T. K. Anh, M. Kurisu, Y. Andoh, T. Tsutaoka, and S. Kawano

nact05- 33216 Magnetic structure of the 2D spin system Nd₂BaZnO₅

M. Nishi, K. Taniyama, H. Kageyama, and Y. Ueda

nact05- 33189 Structural and magnetic phase transitions of distorted-triangular-lattice Ising-like antiferromagnet TlCoCl₃

Y. Nishiwaki, T. Kato, Y. Oohara, and K. Iio

nact05- 33158 Magnetic phase diagram of the triangular lattice antiferromagnet CuFe_{1-x}Al_xO₂

N. Terada, T. Fujii, K. Kitagawa, and S. Mitsuda

nact05- 33201 Magnetic short-range order of magnetic geometrical weak frustration system MnCr₂O₄

K. Tomiyasu and H. Suzuki

nact05- 33148 Neutron diffraction studies on Nd₇Ni₃

T. Tsutaoka, Y. Andoh, S. Kawano, G. Nakamoto, D. T. K. Anh, and M. Kurisu

nact05- 33135 Spin-glass like behavior of the MnCu alloy

M. Yanagida and Y. Tsunoda

nact05- 33119 Magnetic structure of Sr₂MnO_{3.5}

C. Kato, S. Iikubo, M. Soda, Y. Yasui, M. Sato, K. Kakurai, and S. Yoshii

nact05- 33120 Magnetic and Charge-Ordering Transitions of PrBaCo₂O₅

M. Soda, Y. Yasui, M. Sato, and K. Kakurai

nact05- 33171 The development and the properties of a small copper-beryllium-based piston-cylinder-type clamp cell for low temperature neutron diffraction measurements

N. Aso, T. Fujiwara, and Y. Uwatoko

nact05- 33234 Inspection of neutron scattering and transmitting performances of pressure transmitting mediums for neutron scattering experiments under high pressures

T. Fujiwara, N. Aso, M. Nishi, Y. Uwatoko, and K. Hirota

nact05- 33236 Development of high pressure micro-cell for sequential measurements between magnetization and neutron scattering under high pressure

T. Fujiwara, N. Aso, M. Nishi, Y. Uwatoko, T. Shigeoka, and K. Hirota

2004 年 (Vol. 11)

- (1) (K_{1-x}Rbx)₂SeO₄: H. Shigematsu and Y. Akishige
- (2) KTa_{1-x}NbxO₃: I. Tomono, M. Nishi, Y. Tsunoda, K. Oka and H. Unoki
- (3) KTaO₃: Y. Yamada, T. Komaki, S. Asanuma and Y. Uesu
- (4) DyPdSn: Y. Andoh, M. Kurisu, G. Nakamoto, T. Tsutaoka and S. Kawano
- (5) MnPt: H. Hama, T. Ikeda and Y. Tsunoda
- (6) ZnCr₂O₄: I. Kagomiya, A. Atanaka, K. Kohn, K. Nakajima, E. Kita, K. Kakurai and K. Siratori
- (7) GeCo₂O₄: K. Kamazawa, I. Kagomiya, S. Park, T. J. Sato and S. - Lee
- (8) (Zn_{1-x}Gex)Co₂O₄: K. Kamazawa
- (9) PtFe: H. Kobayashi and Y. Tsunoda
- (10) CeGa: S. Koiwai, M. Kosaka, M. Nisi and N. Mori
- (11) TbPtSn: M. Kurisu, G. Nakamoto, Do Thi Kim An, Y. Ando, T. Tsutaoka and S. Kawano

- (12) TlCoCl₃: Y. Nishiwaki, K. Iio, T. Kato and Y. Oohara
- (13) (Pd_{1-x}Ag_x)₉₀Mn₁₀: K. Sato, Y. Ito and Y. Tsunoda
- (14) CuFe_{1-x}Al_xO₂: N. Terada, T. Kawasaki, T. Fujii and S. Mitsuda
- (15) NiCr₂O₄: K. Tomiyasu and I. Kagomiya
- (16) CoCr₂O₄: K. Tomiyasu, J. Fukunaga, Y. Tsunoda and K. Kohn
- (17) Tb₇Rh₃: T. Tsutaoka, T. Tokunaga, Y. Andoh, S. Kawano, G. Nakamoto and M. Kurisu
- (18) SrFe_{1-x}CoxO_{3-d}: Y. Yasui, M. Soda, S. Iikubo, T. Ido, M. Sato, K. Kakurai and M. Nishi

2003年 (Vol. 10)

- (1) KRbSeO₄: H. Shigematsu and T. Matsui
- (2) ZnFe₂O₄: K. Kamazawa, K. Nakajima, K. Kohn and Y. Tsunoda
- (3) 110CdFe₂O₄: K. Kamazawa, S. Park, T. J. Sato, S. - . Lee and Y. Tsunoda
- (4) CoCr₂O₄: K. Tomiyasu, J. Fukunaga and Y. Tsunoda
- (5) Cu_{0.3}Zn_{0.7}Cr₂Se₄: S. Iikubo, Y. Yasui, Y. Kobayashi, Y. Ohno, M. Ito, M. Soda, M. Sato and K. Kakurai
- (6) Nd₂Mo₂O₇: Y. Yasui, T. Kageyama, S. Iikubo, M. Ito, M. Sato and K. Kakurai
- (7) Yb₂Ti₂O₇: Y. Yasui, M. Soda, S. Iikubo, M. Ito, M. Sato, N. Hamaguchi, T. Matsushita, N. Wada, N. Aso and K. Kakurai
- (8) Mn₃Pt: T. Ikeda and Y. Tsunoda
- (9) RbCoBr₃: T. Kato, Y. Nishiwaki, K. Iio and Y. Oohara
- (10) (V_{1-x}Tix)₂O₃: J. Kikuchi, K. Motoya and S. Tabaru
- (11) MnPt: H. Hamada, T. Ikeda and Y. Tsunoda
- (12) PtFe: H. Kobayashi and Y. Tsunoda
- (13) Pt₆₇Fe₃₃: Y. Higashiyama and Y. Tsunoda
- (14) Tb₇Rh₃: T. Tsutaoka, T. Tokunaga, Y. Andoh, S. Kawano, G. Nakamoto and M. Kurisu
- (15) HoPdSn: Y. Andoh, G. Nakamoto, M. Kurisu, T. Tsutaoka and S. Kawano
- (16) YbPdGe: M. Kurisu, G. Nakamoto, Y. Andoh, T. Tsutaoka and S. Kawano
- (17) PrCu₂Ge₂: T. Shigeoka, K. Ohishi, M. Nishi and Y. Uwatoko
- (18) UGe₂: H. Sagayama, K. Kuwahara, K. Iwasa, M. Kohgi, T. Osakabe, T. D. Matsuda, E. Yamamoto, Y. Haga and Y. Onuki
- (19) Pr_{1-x}CaxMnO₃: R. Kajimoto, H. Mochizuki and H. Yoshizawa