

Program

ORAL

4th June

8:30 Registration

9:00 Opening, Objective of Workshop

Director of ISSP, H. Mori

Objective of workshop, T. Masuda

Session 1 History of US-Japan cooperative program/ISSP activity reports

9:15 Y. Fujii, Thirty-seven Years Old US-Japan Cooperative Program to be Revitalized

9:45 T. Masuda, ISSP University of Tokyo, Collective excitations near quantum criticality in the geometrically frustrated antiferromagnet CsFeCl_3

10:15 Y. Uwatoko, ISSP University of Tokyo, High pressure apparatus for neutron diffraction measurements

10:45 Coffee break

Session 2 Spectrometers in ORNL

11:00 J. Fernandez-Baca, ORNL, Status of the MANTA project and the future of CTAX

11:30 I. Zaliznyak, BNL, Neutron Spectroscopy and Polarization Analysis on HYSPEC.

12:00 Lunch

13:00 Poster Session

Session 3 Activity reports from US, JAEA activity report

14:30 M. Frontzek, ORNL, The upgraded diffractometer at HFIR, HB-2C: WAND²

14:55 N. Ikeda, Okayama University, Charge Ordering Model for Spin and Charge Frustrated System YbFe_2O_4

15:20 T. Nakajima, RIKEN, Magnetic orders and excitations in multiferroic Y-type hexaferrites

15:45 K. Kaneko, JAEA, Systematic neutron scattering study on Eu intermetallics

16:10 Coffee break

Session 4 Crystal growth / Neutron scientists / Complimentary use

16:30 Z. Hiroi, ISSP University of Tokyo, Searching for frustrated magnets with the benefit of neutron experiments

17:00 K. Iwasa, Ibaraki University, Neutron and x-ray scattering studies on semimetal systems $Ce_3Tr_4Sn_{13}$ (*Tr*: transition metal)

17:25-17:50 A.Q.R. Baron, RIKEN, Opportunities with Inelastic *X-Ray* Scattering

18:30 Banquet

5th June

Session 5 Reports from US/ISSP Activity Report/Neutron scientists

9:00 M. D. Lumsden, ORNL, Neutron Scattering Research Highlights from ORNL

9:30 T. J. Sato, Tohoku University, Nonreciprocal Magnons in Noncentrosymmetric Magnets

10:00 H. Tanaka, Tokyo Institute of Technology, Magnetic Excitations in the Spin-1/2 Triangular-Lattice Heisenberg Antiferromagnet $Ba_3CoSb_2O_9$

10:30 M. Hase, NIMS, Magnetic excitations in antiferromagnetic alternating spin-3/2 chain compounds $RCrGeO_5$

10:55 Coffee break

Session 6 Neutron scientists/ ISSP Activity Report

11:10 H. Kageyama, Kyoto University, The role of neutron science in solid state chemistry

11:40 C. Lee, AIST, Development of thermoelectric materials using rattling and lone pairs

12:05 M. Fujita, Tohoku University, Oxygen Reduction Effect on the Spatial Spin Density Distribution in $T'-Pr_{1.40}La_{0.60}CuO_{4+y}$

12:30 Lunch & Business meeting: Discussion on future of US-Japan cooperative program@2nd meeting room

Session 7 J-PARC/Crystal growth/Neutron user

13:30 K. Nakajima, J-PARC, Frontier of condensed matter physics at J-PARC

14:00 K. Tomiyasu, Tohoku University, Neutron scattering study of 3D frustrated magnets

14:25 S. Nakatsuji, ISSP University of Tokyo, Large Transverse Responses at Room Temperature in the Weyl Antiferromagnets Mn_3X

14:55 T. Kimura, University of Tokyo, Magnetoelectrics showing non-coplanar magnetic order

15:25 J. D. Reim, Tohoku University, New observations in well-established skyrmion materials Cu_2OSeO_3 and $MnSi$

15:50 Coffee break

Session 8 Discussions on future of US-Japan cooperative program

16:05 Y. Fujii 10min. talk

16:15 Free discussion

16:35 Closing

POSTER

4th June 13:00 – 14:30

P1 N. Aso, Ryukyu University, Neutron Scattering Study in Single-Crystalline $YbCo_2Zn_{20}$

P2 M. Hagihala, KEK, Magnetic Structure of $S=5/2$ Spin-dimer compound $Cs_3Fe_2Cl_9$

P3 K. Ikeuchi, CROSS, Phonons and magnetic excitations in Fe-based superconductor $Ca_{10}Pt_4As_8(Fe_{1-x}Pt_xAs)_{10}$

P4 R. Kobayashi, Ryukyu University, Magnetic Interaction Crossover by Rh-doping in a Kondo Semiconductor $CeRu_2Al_{10}$

P5 N. Kurita, Tokyo Institute of Technology, Localized magnetic excitations in the $S=1/2$ fully frustrated dimer compound $Ba_2CoSi_2O_6Cl_2$

P6 T. Matsumura, Hiroshima University, Magnetic-field-induced charge order in $SmRu_4P_{12}$ studied by polarized neutron diffraction

P7 M. Soda, RIKEN, Neutron Scattering Study in Åkermanite System $Ba_2CoT_2O_7$ (T=Si and Ge)

P8 K. Suzuki, Tohoku University, Step-like Development of magnetism in the electron doped cuprate superconductor $R_{2-x}Ce_xCuO$ ($R = Nd, Eu$)

P9 D. Ueta, ISSP University of Tokyo, Magnetic Structure of a Non-Centrosymmetric $CePdSi_3$

P10 T. Hawai, KEK, Magnetic excitation of quasi-one dimensional ladder compound $BaFe_2Se_3$