

TENTATIVE AGENDA

Forum on Inelastic Neutron Scattering: Condensed Matter Systems

Room C-156, Building 8600

Spallation Neutron Source, Oak Ridge National Laboratory, Oak Ridge, TN

Unless otherwise scheduled, invited talks are 25 minutes long with 5 minutes available for questions and discussion. Contributed talks are 15 minutes long with 5 minutes available for questions and discussion.

Wednesday, November 16, 2011

- 8:30 am Coffee and light refreshment
- 8:45 Introductory remarks. Stephen Nagler (ORNL).
- 9:00 – 10:40 SESSION 1. Chair, Pengcheng Dai (University of Tennessee).
- 9:00 “Hidden magnetism in a model cuprate superconductor”(invited) Martin Greven (University of Minnesota).
- 9:30 “Competing magnetic phases in $\text{Ba}(\text{Fe}_{0.925}\text{Mn}_{0.075})_2\text{As}_2$ ” (contributed). Greg Tucker (Iowa State University).
- 9:50 “Lattice dynamics in filled and unfilled skutterudites” (Invited). Anne Moechel (Juelich Centre of Neutron Sciences).
- 10:20 “Crystal growth and neutron scattering in hole-doped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ ” (contributed). Chenglin Zhang (University of Tennessee).
- 10:40 Coffee break.
- 10:40 – 12:10 SESSION 2. Chair Seunghun Lee (University of Virginia).
- 10:40 “Zn-induced spin dynamics in a high- T_c cuprate at the overdoped edge of superconductivity” (invited). Stephen D. Wilson (Boston College).
- 11:20 “Spin fluctuations in $\text{FeTe}_x\text{Se}_{1-x}$ ” (contributed). Jooseop Lee (University of Virginia).
- 11:40 “TBD” (invited). Gregory MacDougall (ORNL).
- 12:10 pm Closeout of morning session, Al Ekkebus (ORNL)
- 12:15 – 1:45 Lunch and Poster session
- 1:45 – 2:50 SESSION 3. Chair, Matthew Stone (ORNL)
- 1:45 “The HYSPEC spectrometer” (invited). Barry Winn (ORNL).
- 2:05 “The CTAX spectrometer” (invited). Tao Hong (ORNL).
- 2:25 “The inelastic suite of neutron scattering instruments at ORNL” (invited). Mark Lumsden (ORNL).
- 2:50 Coffee break.

- 3:05 – 4:25 SESSION 3. Chair, Olivier Delaire (ORNL)
 3:05 “Signatures of dynamics and static charge inhomogeneity in the phonons of copper and nickel oxides” (invited). Dmitry Reznik (University of Colorado-Boulder).
 3:35 “Neutron scattering study of phonons and magnons in BiFeO₃” (contributed). Jie Ma (ORNL).
 3:55 “Magnetic excitations in the spin-Peirls compound TiOBr” (invited). Patrick Clancy (University of Toronto).
- 4:25 – 6:00 Break out session 1. Chair, Doug Abernathy (ORNL)
 Suggested discussions of instrument upgrades, instrument suggestions and sample environment.

Thursday, November 17, 2011

- 8:30 am Coffee and light refreshment
- 8:45 – 10:15 SESSION 4. Chair, Andrew Christianson (ORNL).
 8:45 “TBD” (invited). Guangyong Xu (Brookhaven National Laboratory).
 9:15 “TBD” (invited). Ray Osborn (Argonne National Laboratory).
 9:45 “Quantum critical fluctuations in the heavy fermion compound Ce(Ni_{0.935}Pd_{0.065})₂Ge₂” (invited). Cuihuan Wang (ORNL).
- 10:15 Coffee break.
- 10:35 – 11:05 SESSION 5. Chair, Jaime Fernandez-Baca (ORNL).
 10:35 “Identifying and understanding the multiferroic phase of doped CuFeO₂” (invited). Randy Fishman (ORNL).
 11:05 “Inelastic neutron scattering studies of iron-based superconductors” (contributed). Jennifer Niedziela (University of Tennessee).
 11:25 “Transverse field-induced quantum fluctuations in the ground state of the kagome staircase system Co₃V₂O₈” (contributed). Katharina Fritsch (McMaster University).
 11:45 “Orbital liquid-glass transition in the pyrochlore Y₂Mo₂O₇” (Invited). Haidong Zhou (National High Magnetic Field Laboratory).
- 12:15 pm Closeout of morning session
- 12:25 – 2:00 Breakout session 2 and working lunch. Chair, Mark Lumsden (ORNL).
 Suggested discussions of larger scale investigations, programmatic proposals, software, etc.