

## Poster Session II – Thursday June 7, 2012

Subject	Poster Title	Ref # & Presenter
<b>Competing interactions on bi-partite lattices</b>	Geometrical frustration of extended Hubbard diamond chain in quasi-atomic limit	HFM1209 – Sergio deSouza
	Spin Liquid Ground State of the Spin-1/2 Square J1-J2 Heisenberg Model	HFM1212 – Hong-Chen Jiang
	A theory of spin nematics in $S = 1/2$ frustrated ferromagnets	HFM1268 – Tsutomu Momoi
	Anisotropic spin correlation in the quasi-one-dimensional antiferromagnet LiCuVO4 probed by 51V and 7Li NMR	HFM1264 – Kazuhiro Nawa
	Field induced magnetic order phase of honeycomb lattice antiferromagnet Bi3Mn4O12(NO3) studied by high-field ESR	HFM1241 – Hitoshi Ohta
	Incommensurate spin excitations in BiCu2PO6	HFM1287 – Kemp Plumb
	Magnetic properties and revisited exchange integrals of the frustrated chain cuprate PbCuSO4(OH)2 - linarite	HFM1227 – Markus Schapers
	Magnetic ground state of the frustrated spin chain linarite	HFM1226 – Stefan Sullow
	Ground-state phase diagram of a spin-2 XXZ antiferromagnetic chain: effect of the quartic uniaxial on-site anisotropy	HFM1207 – Takashi Tonegawa
	Excitations in nanoscale compass-Heisenberg planar clusters	HFM1211 – Fabien Trouselet
	Short range ordering in SrHo2O4	HFM12128 – Jiajia Wen
	Magnetocaloric effect measurements of the frustrated spin chain linarite	HFM1234 – Britta Willenberg
	Exact Spin Liquid Ground States of the Generalized Quantum Dimer Model on the Square and Honeycomb Lattices	HFM12125 – Hong Yao
<b>Kagome Systems</b>	Spin excitations in the extended kagome YBaCo4O7.1 using neutron scattering	HFM12147 – Robert Bewley
	A DMRG Study of the Heisenberg Anti-Ferromagnet on the Kagome Lattice	HFM1253 – Stefan Depenbrock
	Spinon Fermi Surface and Spin Density Wave Order in a Coupled Chain Model for Volborthite	HFM12144 – Tyler Dodds
	Single Crystal NMR Study of Frustrated Spin-liquid in math bf $S = 1/2$ Kagome Lattice math bf ZnCu <sub>3</sub> (OD) <sub>6</sub> Cl <sub>2</sub>	HFM12119 – Mingxuan Fu
	Effects of Dzyaloshinsky-Moriya Interaction on Magnetic Susceptibilities of the Deformed-Kagome Antiferromagnet Rb <sub>2</sub> Cu <sub>3</sub> SnF <sub>12</sub>	HFM1218 – Yoshiyuki Fukumoto
	State selection via fermion induced coupling between classical spin configurations on the Kagome lattice	HFM1290 – Shivam Ghosh

	Structural and magnetic properties of single crystals of volborthite comprising a distorted spin-1/2 kagome lattice	HFM1278 – Ishikawa Hajime
	Phase diagram of the spin-1/2 Heisenberg J1-Jd model on the kagome lattice	HFM1298 – Oleg Janson
	Finite-size effects of the Z2 gauge theory on the kagome lattice	HFM12118 – Hyejin Ju
	Spin-liquid ground state in the frustrated kagome antiferromagnet MgCu <sub>3</sub> (OH) <sub>6</sub> Cl <sub>2</sub>	HFM1251 – Edwin Kermarrec
	DMRG Study of the S > 1=2 quantum Heisenberg Antiferromagnet on a Kagome-like lattice without loops	HFM12101 – Zach Lamberty
	Z2 striped spin liquid in kagome spin 1/2 Heisenberg antiferromagnets	HFM12108 – Michael Lawler
	Spin Dynamics of Volborthite in a Magnetic Field	HFM12109 – Goran Nilssen
	Strong renormalization of spin-wave spectrum in S=1/2 kagome antiferromagnet	HFM12141 – Toshio Ono
	Novel Field-Induced Quantum Phase Transition of the Kagome-Lattice Antiferromagnet	HFM1205 – Toru Sakai
	Single crystal NMR study of volborthite	HFM1242 – Makota Yoshida
	Structurally perfect kagome antiferromagnets BaM <sub>3</sub> V <sub>2</sub> O <sub>8</sub> (OH) <sub>2</sub> (M = Ni, Cu)	HFM1247 – Hiroyuki Yoshida
<b>Kagome systems</b>	Detecting non-magnetic excitations in quantum magnet	HFM1239 – Zhihao Hao
<b>Triangular lattice systems</b>	Novel disordering mechanisms in dipolar spin glasses and ferromagnets	HFM12132 – Juan Carlos Andresen
<b>Spin glasses and random magnets</b>	Magnetic texture to 97.4 Tesla in strongly frustrated SrCu <sub>2</sub> (BO <sub>3</sub> ) <sub>2</sub>	HFM1203 – Jamie Marcelo
<b>Triangular lattice system, Competing interactions on a bipartite lattice</b>	Frustrated quantum critical theory of a putative spin liquid phenomenology in 6H-B-Ba <sub>3</sub> NiSb <sub>2</sub> O <sub>9</sub>	HFM1202 – Gang Chen
<b>Triangular lattice systems</b>	Field-Anisotropy Phase Diagram for S=1/2 Triangular Antiferromagnets	HFM12113 – Ru Chen
	Quantum Spin Liquid Signatures in Ba <sub>3</sub> CuSb <sub>2</sub> O <sub>9</sub>	HFM1237 – Francis Pratt
	Frustrated Magnetism in the Ordered Rock Salt Phases Li <sub>3</sub> Mg <sub>2</sub> RuO <sub>6</sub> and Li <sub>3</sub> Mg <sub>2</sub> O <sub>s</sub> O <sub>6</sub>	HFM1240 – John Greedan
	Diffuse X-ray scattering of BaCuSb <sub>2</sub> O <sub>9</sub> with triangular lattice	HFM1280 – Yuki Ishiguro
	Partial disorder in an Ising-spin Kondo lattice model on a triangular lattice	HFM1259 – Hiroaki Ishizuka
	Is there a new type of magnetic supersolid in AgNiO <sub>2</sub> ?	HFM1299 – Seabra Luis
	Spin nematic order in the multiple-spin exchange model on the triangular	HFM1267 – Tsutomu Momoi

	lattice	
	Quasi-one-dimensional magnetic phase as a competing ground state in a frustrated magnet	HFM1271 – Krunslav Prsa
	Ferromagnetic transition in Li doped spinel GeNi2O4	HFM12135 – F. Razavi
	Magnetic colloids – A model system for frustrated	HFM1219 – Gabi Steinbach
	Quantum magnetization process in an S=1/2 triangular-lattice antiferromagnet Ba3CoSb2O9	HFM1274 – Hidekazu Tanaka
	Quadrupolar ordering on the triangular lattice in the presence of single-ion anisotropy	HFM12123 – Tamas Toth
	Magnetic soft modes in the distorted triangular antiferromagnet a-CaCr2O4	HFM1248 – Sandor Toth
	Universal transport near a quantum critical Mott transition	HFM12143 – William Witczak-Drempa
	Magnetic studies of geometrically frustrated SrHo2O4	HFM1295 – Olga Young
	Magnetic chirality in the geometrically frustrated Ba <sub>3</sub> NbFe <sub>3</sub> Si <sub>20</sub> 14	HFM1201 – Andrej Zorko
<b>Triangular lattice systems, spin glasses and random systems</b>	Spin Correlations and Excitations in the Quasi-2D Triangular Bilayer Spin Glass LuCoGaO4	HFM12140 – Katharina Fritsch
<b>Other</b>	Evidence of charge ordering suppression and emergence of spin glass behavior in Co-doped LaSr2Mn2O7bi-layered manganite	HFM1255 – Mohammad Ehsai
	Static and dynamic features of the quasi-one-dimensional spin-chain antiferromagnet BaCo2V2O8	HFM12121 – Jorge Gavilano
	Antiferromagnetic Ising model on the sorrel net: a new frustrated corner-shared triangle lattice	HFM1286 – John Hopkinson
	Observation of a valence electron cloud	HFM12133 – Naoyuki Katayama
	Structural study of Ba3CuSb2O9 using Synchrotron X-ray diffrac	HFM12134 – Naoyuki Katayama
	Temperature Dependence of the Magnon Lineshapes in the 3-Dimensional Spin Dimer System Sr3Cr2O8	HFM1216 – Diana Quintero-Castro
	How do you decide if LiCuVO4 is a quantum spin-nematic?	HFM1262 – Andrew Smerald
	Spin waves in a skyrmion crystal	HFM1221 – Olga Petrova
Real space renormalization group approach to classical O(n) interacting spins on corner sharing hyper-tetrahedra lattices	HFM1252 – Angel Garcia-Adeva	