

[TuD2] Spin Liquids

Date / Time	July 3 (Tue.), 2018 / 13:30-15:30
Place	Room D (#109)
Session Chair	Toshihiro Takahashi (Gakushuin Univ., Japan)

TuD2-I1 (Invited) 13:30-13:55

Genuine Mott Transition in Spin Liquids: Quantum Fluctuations, Superconductivity and Fermi Liquid

Andrej Pustogow¹, Vladimir Dobrosavljevic², Simone Fratini³, and Martin Dressel¹
¹Stuttgart Univ., Germany, ²Florida State Univ., USA, ³Univ. Grenoble Alpes, France

TuD2-I2 (Invited) 13:55-14:20

Role of Frustration and Disorder in The Competition between Antiferromagnetism and Quantum Spin Liquid of Organic Charge-Transfer Mott Insulators

Silvia Tomic
 Univ. of Zagreb, Croatia

TuD2-I3 (Invited) 14:20-14:45

μ SR of Layered Molecular Conductors: From Vortex Phases in Superconductors to Quantum Critical Phases in Spin Liquids

Francis Pratt
 STFC Rutherford Appleton Lab., UK

TuD2-O4 14:45-15:00

Resonant Inelastic X-ray Scattering Probes The Electron-Phonon Coupling in The Spin-Liquid Kappa-(BEDT-TTF)₂Cu₂(CN)₃

Vita Ilakovac^{1,2}, Stéphane Carniato^{1,2}, Pascale Foury-Leylekian³, Silvia Tomic⁴, Jean-Paul Pouget³, Predrag Lazić⁵, Yves Joly⁶, Kazuya Miyagawa⁷, Kazuya Kanoda⁷, and Alessandro Nicolaou⁸
¹Sorbonne Univ., France, ²Univ. Pierre et Marie Curie, France, ³Univ. Paris Saclay, France, ⁴Inst. of Physics, Croatia, ⁵Inst. Rudjer Boskovic, Croatia, ⁶Inst. Néel, France, ⁷Univ. of Tokyo, Japan, ⁸Synchrotron SOLEIL, France

TuD2-O5 15:00-15:15

Kappa-(BEDT-TTF)₂Cu₂(CN)₃ Spin Liquid : Beyond The Average Structure

Pascale Foury-Leylekian^{1,2}, Vita Ilakovac^{3,4}, Victor Baledent^{1,2}, Pierre Fertey⁵, Alla Arakcheeva⁶, Ognjen Milat⁷, Kazushi Kanoda⁸, Enric Canadell⁹, Silvia Tomic⁷, and Jean-Paul Pouget^{1,2}
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TuD2-O6 15:15-15:30

Spin Liquids and Superconductivity based on BEDT-TTF

Mitsuhiro Maesato, Shinya Tomeno, Yojiro Kimura, Yukihiko Yoshida, Gunzi Saito, and Hiroshi Kitagawa
 Kyoto Univ., Japan