

## List of Publications 2011

- [1] E. Abou-Hamad, P. Bontemps, and G. L. J. A. Rikken, "NMR in pulsed magnetic field," *Solid State Nuclear Magnetic Resonance* **40**, 42–44 (2011).
- [2] F. Aimo, S. Krämer, M. Klanjšek, M. Horvatić, and C. Berthier, "Magnetic structure of azurite above the magnetization plateau at  $\frac{1}{3}$  of saturation," *Physical Review B* **84**, 012401 (2011).
- [3] T. Alboussiere, P. Cardin, F. Debray, P. La Rizza, J. P. Masson, F. Plunian, A. Ribeiro, and D. Schmitt, "Experimental evidence of Alfvén wave propagation in a Gallium alloy," *Physics of Fluids* **23**, 096601 (2011).
- [4] Dai Aoki, Tatsuma D. Matsuda, Frédéric Hardy, Christoph Meingast, Valentin Taufour, Elena Hassinger, Ilya Sheikin, Carley Paulsen, Georg Knebel, Hisashi Kotegawa, and Jacques Flouquet, "Superconductivity Reinforced by Magnetic Field and the Magnetic Instability in Uranium Ferromagnets," *Journal of the Physical Society of Japan* **80SA**, SA008 (2011).
- [5] Dai Aoki, Ilya Sheikin, Tatsuma D. Matsuda, Valentin Taufour, Georg Knebel, and Jacques Flouquet, "First Observation of Quantum Oscillations in the Ferromagnetic Superconductor UCoGe," *Journal Of The Physical Society Of Japan* **80** (2011), 10.1143/JPSJ.80.013705.
- [6] A. Audouard, F. Duc, D. Vignolles, R. B. Lyubovskii, L. Vendier, G. V. Shilov, E. I. Zhilyaeva, R. N. Lyubovskaya, and E. Canadell, "Temperature- and pressure-dependent metallic states in (BEDT-TTF)<sub>8</sub>[Hg<sub>4</sub>Br<sub>12</sub>(C<sub>6</sub>H<sub>5</sub>Br)<sub>2</sub>]," *Physical Review B* **84**, 045101 (2011).
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- [8] Anne-Laure Barra, Anders Dossing, Thorbjørn Morsing, and Johan Vibenholt, "A high field and frequency electron paramagnetic resonance study of the S=2 chromium(II) complex trans-[Cr(NCCH<sub>3</sub>)<sub>4</sub>(FBF<sub>3</sub>)<sub>2</sub>] and investigation of its reaction with dioxygen: Crystal structure of [(CH<sub>3</sub>CN)<sub>5</sub>CrOcr(NCCH<sub>3</sub>)<sub>5</sub>](BF<sub>4</sub>)<sub>4</sub> · 2CH<sub>3</sub>CN," *Inorganica Chimica Acta* **373**, 266–269 (2011).
- [9] P. Berceau, R. Battesti, M. Fouché, and C. Rizzo, "The vacuum magnetic birefringence experiment: a test for quantum electrodynamics," *Canadian Journal Of Physics* **89**, 153–158 (2011).
- [10] Paul Berceau, Rmy Battesti, Mathilde Fouch, Paul Frings, Marc Nardone, Oliver Portugall, Geert Rikken, and Carlo Rizzo, "Quantum vacuum magnetic birefringence," *Hyperfine Interactions* , 1–6 (2011), 10.1007/s10751-011-0517-z.
- [11] B. Bergk, A. Demuer, I. Sheikin, Y. Wang, J. Wosnitza, Y. Nakazawa, and R. Lortz, "Magnetic torque evidence for the Fulde-Ferrell-Larkin-Ovchinnikov state in the layered organic superconductor  $\kappa$  - (BEDT - TTF)<sub>2</sub>Cu(NCS)<sub>2</sub>," *Physical Review B* **83**, 064506 (2011).
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- [14] Pierre Bouillot, Corinna Kollath, Andreas M. Läuchli, Mikhail Zvonarev, Benedikt Thielemann, Christian Rüegg, Edmond Orignac, Roberta Citro, Martin Klanjšek, Claude Berthier, Mladen Horvatić, and Thierry Giamarchi, "Statics and dynamics of weakly coupled antiferromagnetic spin- $\frac{1}{2}$  ladders in a magnetic field," *Physical Review B* **83**, 054407 (2011).
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