Name

Masaki Fujita

Contacting Information

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Short CV

03/1995	Master of Science	Physics	Kobe University	Kobe,
03/1998	Doctor of Science	Physics	Kobe University	Kobe,

Education

Month/year	Institution
04/1987-03/1991	Faculty of Science, Kobe University
04/1991-03/1995	Department of Physics, Kobe University (Master Course)
04/1995-03/1998	Graduate School of Science and Technology, Kobe University (Doctor Course)

Research and Peofessional Experience

Month/year	Institution
04/1996-03/1998	Research fellow, Kobe University
04/1998-05/1998	Postdoctral, KEK
05/1998-06/2003	Research associate, Institute for Chemical Research, Kyoto Univ.
06/1998-06/2009	Research associate, Institute for Materials Research, Tohoku Univ.
07/2009-12/2013	Associate Professor, Institute for Materials Research, Tohoku Univ.
01/2014-present	Professor, Institute for Materials Research, Tohoku Univ.

Research interests and activities

Neutron-scattering, High-Tc superconductor, Low-dimensional magnetism, Crystal growth

Home-page and Link to research data base

http://qblab.imr.tohoku.ac.jp/

Major publication

Dual Structure of Low-Energy Spin Fluctuations in $La_{1.80}Sr_{0.14}Ce_{0.06}CuO_4$
M. Enoki, M. Fujita, and K. Yamada,
J. Phys. Soc. Jpn. 82, 114707-1-114707-6 (2013).

Temperature Dependence of Spin Excitations in the Frustrated Spin Chain System $CuGeO_3$
M. Fujita, C. D. Frost, S. M. Bennington, R. Kajimoto, M. Nakamura, Y. Inamura, F. Mizuno, K. Ikeuchi, and M. Arai, J. Phys. Soc. Jpn. 82, 084708-1-084708-5 (2013).

Spin-Stripe Density Varies Linearly With the Hole Content in Single-Layer $Bi_{2+x}Sr_{2-x}CuO_{6+y}$ Cuprate Superconductors M. Enoki, M. Fujita, T. Nishizaki, S. Iikubo, D. K. Singh, S. Chang, J. M. Tranquada, and K. Yamada, Phys. Rev. Lett. 110, 017004 -1-017004-5 (2013).

Progress in Neutron Scattering Studies of Spin Excitations in High-Tc Cuprates.[J. Phys. Soc. Jpn,81(1),(2012),011007-]M. Fujita, H. Hiraka, M. Matsuda, M. Matsuura, J. M. Tranquada, S. Wakimoto, G. Xu, K. Yamada
10.1143/JPSJ.81.011007

High-Energy Spin and Charge Excitations in Electron-Doped Copper Oxide Superconductors.[Nature Communications,5,(2014),4714-1-4714-8]. Ishii, M. Fujita, T. Sasaki, M. Minola, G. Dellea, C. Mazzoli, K. Kummer, G. Ghiringhelli, L. Braicovich, T. Tohyama, K. Tsutsumi, K. Sato, R. Kajimoto, K. Ikeuchi, K. Yamada, M. Yoshida, M. Kurooka,and J. Mizuki
10.1038/ncomms4714

Stripe order, depinning, and fluctuations in La1.875Ba0.125CuO4 and $La_{1.875}Ba_{0.075}Sr_{0.050}CuO_4$.[Phys. Rev. B,70,(2004),104517/1-104517/11]M. Fujita, H. Goka, K. Yamada, J. M. Tranquada, L. P. Regnault

Magnetic and superconducting phase diagram of electron-doped $Pr_{1-x}LaCe_xCuO_4$.[Physical Review B,67,(2003),014514-]Fujita M, Kubo T, Kuroshima S, Uefuji T, Kawashima K, Yamada K, Watanabe I, Nagamine K

Magnetic field effect on the static antiferromagnetism of the electron-doped superconductor Pr1-xLaCexCuO4 (x=0.11 and 0.15).[Phys. Rev. Lett.,93,(2004),147003/1-147003/4]M. Fujita, M. Matsuda, S. Katano, K. Yamada

Present international collaborations

US-Japan collaboration on Neutron scattering science