

Professor T. Takahashi -- Elucidation of the reason why T_c is so suppressed in iron-based high-temperature superconductors --

– Contributing to designing a novel superconductor with higher T_c –

A research group consisting of Assistant Professor Kosuke Nakayama at Graduate School of Science, Tohoku University and Professor Takashi Takahashi at WPI Advanced Institute for Materials Research, Tohoku University, has succeeded in revealing the reason why the superconducting transition temperature (T_c) is so suppressed in iron-based high-temperature superconductors, in collaboration with Boston University and Institute of Physics Chinese Academy of Sciences. This finding would contribute to elucidating the mechanism of high- T_c superconductivity as well as searching for and/or designing a novel high- T_c superconductor for future energy-saving technologies.

The research results have been published online in Nature Communications on July 12, 2011.

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(About the research)

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(About JST projects)

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