Time-resolved Ultrafast Spectroscopy Experiments on High Temperature Superconductor Bi2Sr2CaCu2O8


Time-resolved ultrafast spectroscopy experiments have been carried out on various dopings of high temperature superconductor Bi2Sr2CaCu2O8. In this talk, we will report our observation and analysis of ultrafast dynamics in Bi2Sr2CaCu2O8, with special emphasis on the quasiparticle dynamics in the pseudogap and SC gap regimes.

Jianqiao Meng
Condensed Matter and Magnet Science,
Materials Physics and Applications Division,
Los Alamos National Laboratory, Los Alamos NM, 87545

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