Quasiparticle dynamics in overdoped Bi$_{1.4}$Pb$_{0.5}$Sr$_{1.9}$CaCu$_2$O$_{8+\delta}$: Coexistence of superconducting gap and pseudogap below $T_c$

SARITHA K. NAIR, XINGQUAN ZOU, Nanyang Technological University, Singapore, JIAN-XIN ZHU, Los Alamos National Laboratory, CHRISTOS PANAGOPULOS, Nanyang Technological University, Singapore, SHIGEYUKI ISHIDA, SHIN-ICHI UCHIDA, The University of Tokyo, ELBERT E.M. CHIA, Nanyang Technological University, Singapore — Photoexcited quasiparticle relaxation dynamics in overdoped Bi$_2$Sr$_2$CaCu$_2$O$_{8+\delta}$ ($T_c=65$ K, hole doping $p=0.22$) single crystal is investigated as a function of temperature. We provide evidence of a $\sim 22$ meV pseudogap ($T^* \approx 100$ K) at this doping level. Moreover, this pseudogap vanishes at $T^*$. Our data support the scenario where both the superconducting gap and pseudogap coexist in the superconducting state. Our results also suggest an increased scattering rate between electrons and spin fluctuations as the sample enters the pseudogap phase. Phys. Rev. B 82, 212503 (2010)

Saritha K. Nair
Nanyang Technological University, Singapore

Date submitted: 11 Nov 2011
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