

Abstract Submitted  
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**NMR Studies of pseudogap and electronic inhomogeneity in BSCCO-2212** J. CROCKER, A.P. DIOGUARDI, N. APROBERTS-WARREN, A.C. SHOCKLEY, UC Davis, H.-J GRAFE, IWF Dresden, Z. XU, J. WEN, G. GU, BNL, N.J. CURRO, UC Davis — We present O-17 NMR measurements on a single crystal of overdoped BSCCO-2212. We measure the planar oxygen's Knight shift (K), electronic field gradient (EFG), and spin lattice relaxation rate ( $1/T_1$ ) along each principle axis. Our analysis shows that the temperature dependence can be explained by a suppression of the density of states in the pseudogap region.

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