Abstract Submitted
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Laser-ARPES studies of BSCCO-BASED cuprate superconductors J.F. DOUGLAS, J.D. KORALEK, Z. SUN, University of Colorado, N.C. PLUMB, Q. WANG, T.J. REBER, J.D. GRIFFITH, University of Colorado, Y. AIURA, K. OKA, H. EISAKI, AIST, D.S. DESSAU, University of Colorado, T.P. DEVEREAUX, S.S. JOHNSON, University of Waterloo — Utilizing 6 eV and 7 eV laser light, we have performed high-resolution ANGLE RESOLVED PHOTOEMISSION studies of the BSCCO family of superconductors. This higher resolution, in both energy and momentum, has allowed the observation of interesting new doping- and temperature-dependent features in the nodal and near nodal dispersions in these materials.

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