

Abstract Submitted
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A reexamination of the oxygen isotope effect in ARPES spectra of BSCCO FRASER DOUGLAS, Z. SUN, D.S. DESSAU, University of Colorado at Boulder, A.V. FEDOROV, Advanced Light Source, H. EISAKI, AIST, H. IWA-SAWA, AIST, Y. AIURA, AIST, T. MASUI, S. TAJIMA, Osaka University — High resolution angle-resolved photoemission spectroscopy (ARPES) has been utilized to further explore the effects of oxygen isotope substitution in Bi2212 and Bi2201 high temperature superconductors. First presented as evidence for the importance of phonons in the nodal dispersion of 2212, the use of several synchrotron beamlines with many different photon energies suggests an alternate explanation for the observed effect.

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