

Abstract Submitted
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Angle-resolved photoemission spectroscopy study of $\text{Ba}(\text{Fe}_{1-x}\text{Ru}_x)_2\text{As}_2$ TIAN QIAN, NAN XU, PIERRE RICHARD, Institute of Physics, Chinese Academy of Sciences, GUANGHAN CAO, ZU'AN XU, Zhejiang University, HONG DING, Institute of Physics, Chinese Academy of Sciences — Ru-doped BaFe_2As_2 compounds were discovered to show superconductivity in a relatively wide doping range. We have performed angle-resolved photoemission spectroscopy measurements on a series of Ru-doped BaFe_2As_2 samples. We observed that band dispersions become more three-dimensional and Fermi velocities increase significantly with Ru doping. We will report these results and discuss implications to its superconductivity.

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