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ARPES Study of Interfacial Superconductivity of Monolayer FeSe TAO JIA, SLAVKO REBEC, CHAOFAN ZHANG, Stanford University, SIMES, MAKOTO HASHIMOTO, DONGHUI LU, SSRL, ROBERT MOORE, SIMES, ZHI-XUN SHEN, Stanford University, SIMES — Ever since the first realization of interfacial superconductors, the low dimensionality and interface effect have created new possibilities to the research of superconductivity. In this talk, I will talk about the mechanism for the enhanced superconductivity of monolayer FeSe on different substrates. We analyze the effects of substrates to the superconductivity of monolayer FeSe by substrate engineering in the molecular beam epitaxy (MBE) growth and angle-resolved photoemission spectroscopy (ARPES) measurement.

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