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Electronic transport in thin crystals of sodium iridate DAVID ROSSER, Cal State Univ- Long Beach, NICHOLAS P. BREZNAY, DREW LATZKE, University of California, Berkeley, CHRISTOPHER GONZALEZ, CHRISTOPHER KIM, SABRINA KAPLAN, JOSEPH GUZMAN, Cal State Univ-Long Beach, IRENE LO VECCHIO, ALESSANDRA LANZARA, JAMES G. ANALYTIS, ROBERT KEALHOFER, University of California, Berkeley, CLAUDIA OJEDA-ARISTIZABAL, Cal State Univ- Long Beach — Sodium iridate (Na_2IrO_3), known as a novel relativistic Mott insulator, is a layered material that has shown signature of a metallic surface state [1]. Here we present preliminary transport measurements on thin crystals of Na_2IrO_3 as well as analysis of high resolution angle resolved photoemission spectroscopy (ARPES) data at different photon energies and the effect of dopants deposited in-situ. [1] N. Alidoust et al. Phys. Rev. B **93,** 245132 (2016).

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