



Charge order in cuprates: from hole to electron doping

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Charge ordering has recently resurged as a prominent phenomenon in the physics of copper-oxide high-temperature superconductors. In this talk I will review our recent results from Bi2201 and YBCO hole-doped cuprates, as well as electron doped NCCO. Following the early discoveries of stripe-like order in La-based cuprates, this establishes charge ordering instabilities to be omnipresent in all cuprate families. I will discuss the connection between charge ordering and pseudogap phenomenology, similarities and asymmetries between hole and electron doping, and the native local symmetry of charge modulations.