

Spin and charge correlations in high-temperature superconductors

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This talk will review recent advances in the experimental characterization of static and dynamic spin and charge correlations in cuprate superconductors, with a focus on the $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ systems. Implications for our understanding of the "pseudogap" phenomenon and of the mechanism of high-temperature superconductivity will also be discussed.