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JAIME MERINO  Professor  Strongly Correlated Systems

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Biographical Info

Research Interests
Jaime Merino is a theoretical condensed matter physicist currently working in the area of strongly correlated systems. His main research focuses on understanding the behavior of electronic systems in which Coulomb electron interactions. Some of the topics addressed includes the understanding of transport properties of strongly correlated metals, out-of-equilibrium quantum many-body theory, superconductivity in strongly interacting systems, charge ordering phenomena in low dimensional materials, deriving effective model Hamiltonians for strongly correlated systems, and STM spectroscopy of Kondo impurities on metal surfaces.

Relevant/Recent Publications
L. Cano-Cortes, J. Merino, and S. Fratini, “Quantum critical behavior of electrons at