

Abstract Submitted
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Kondo Effect in a mesoscopic system¹ SEUNGJOO NAH, MICHAEL PUSTILNIK, Georgia Institute of Technology — At low temperatures, transport and thermodynamic properties of Coulomb blockade systems are characterized by the energy scale T_K (the Kondo temperature). We show that the Kondo temperature is subject to strong mesoscopic fluctuations. In a quantum dot system with many single-particle energy levels, the Kondo temperature acquires a log-normal distribution.

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