

Internal Webinar

Exploring Low-Frequency Resistance Fluctuations near the Lifshitz Transition in Trilayer Graphene

Girija Shankar Papanai

IISC, Bangalore

Resistance fluctuation spectroscopy is a powerful technique for investigating charge carrier dynamics within condensed matter systems. Two-dimensional materials offer a unique test bed to probe low-frequency ($1/f$) noise due to their unusual low energy band structure and density of states. In this talk, I will provide an experimental overview of $1/f$ noise and Lifshitz transition in multiband systems. Additionally, I will discuss the experimental observations of $1/f$ noise across Lifshitz transition in trilayer graphene-based heterostructures.

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11:30 Hrs

