

Seminar

Electronic transport in high mobility graphene – role of electronic interactions

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Graphene's electronic properties are exciting and have been studied extensively. I will start with a pedagogical introduction to electronic properties and how we make these devices. The mean free path for the electrons in our devices is comparable to device dimensions. In such a clean limit it is possible to see the effect of electronic interactions in the quantum Hall regime. Such interactions lift the spin and valley symmetries and one is able to realize a quantum Hall ferromagnet in the trilayer ABA stacked graphene.

Thursday, Apr 7th 2016

4:00 PM (Tea/Coffee at 3:45 PM)

Seminar Hall, TCIS