## Max-Planck-Institut für Struktur und Dynamik der Materie



Max Planck Institute for the Structure and Dynamics of Matter

## March 24<sup>th</sup> 2014 – 14:00 CFEL Seminar room IV, 01.111 (Bldg. 99)

Sven Aeschlimann

Karlsruher Institut für Technologie (KIT)

## Coulomb drag in double layer graphene near the Dirac point

The Coulomb drag effect describes the frictional coupling of two spatially separated conducting layers. Driving a current through one layer causes a voltage drop along the other layer. Recent experiments revealed a surprising non-vanishing drag resistance in double layer graphene at the double neutrality point. At low temperatures drag even develops into a sharp peak in the vicinity of the Dirac point.

The talk addresses the possibility of a non-vanishing drag resistance in clean samples due to next-to-leading order drag contributions.

