

Arnold Sommerfeld

CENTER FOR THEORETICAL PHYSICS



Sommerfeld Theory Colloquium

Prof. Mikhail Katsnelson

Radboud University, Nijmegen, Netherlands

From materials science to basic physics

Condensed matter provides us deep insights into quantum physics. Giving just two examples, wave-corpuscle duality manifests itself in spectroscopy of strongly correlated systems as coexistence of itinerant and atomic-like features, and graphene and other Dirac materials provide a natural playground to study vacuum reconstruction, Klein tunneling and other fundamental quantum relativistic phenomena. Electron-photon interaction is the key tool to understand this rich and nontrivial physics.

Wednesday, 4 May 2016, 16:15h, Room A
348/349, The
resienstr. $37/\mathrm{III}$

Prof. V. Mukhanov