

Fritz-Haber-Institut der Max-Planck-Gesellschaft

Physikalische Chemie — Direktor: Prof. Dr. Martin Wolf



MAX-PLANCK-GESELLSCHAFT

Department Seminar:

Monday, October 14, 2019, at 11:00 a.m.;

— all are invited to meet at around 10:40 for a chat with coffee & cookies —

Dr. Pablo Alonso González

Quantum Nano-optics Lab,
Physics Department,
University of Oviedo, ES.

Nano-optics with 2D materials

PC Seminar Room G2.06, Building G, Faradayweg 4

A. Paarmann

Abstract:

The advent of two-dimensional (2D) materials with extraordinary optical properties has allowed the visualization of nanolight in the form of low-loss and electrically tunable (active) plasmon polaritons in graphene, or high optical quality phonon polaritons in h-BN or MoO₃, introducing a very encouraging arena for scientifically groundbreaking discoveries in nano-optics. In this talk I will show first proof-of-concept devices based on 2D materials for nano-optics.