

Sommerfeld Theory Colloquium

Dr. Dmitry S. Petrov

Harvard University, USA

Weakly bound dimers of fermionic atoms

I will discuss elastic and inelastic collisions in a gas of weakly bound homonuclear and heteronuclear molecules composed of fermionic atoms and show that such molecules represent novel composite bosons, which exhibit features of Fermi statistics at short intermolecular distances. I will also discuss Bose-Einstein condensation of these composite bosons and outline prospects for future studies of Fermi mixtures with different masses.

Wednesday, 11th January 06, 11.15 h , Room 348 / 349, Theresienstr. 37 / III