



IRTG-Joint-Seminar

Aleksey Korobenko

University of British Columbia, Vancouver

“Control of molecular rotation with an optical centrifuge”

The major purpose of our work is the experimental study of the applicability of an optical centrifuge -- a novel tool, utilizing non-resonant broadband laser radiation to excite molecular rotation -- to produce and control molecules in extremely high rotational states, so called "super rotors", and to study their optical, magnetic, acoustic, hydrodynamic and quantum mechanical properties.

**Tuesday, July 12th, 2016, 6:00 p.m.,
University Computing Center, Room 023
Hermann-Herder-Str. 10**