

Im Oberseminar

## Deformationsquantisierung

spricht am **30.01.2015 um 14 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

**MATTHIAS SCHÖTZ**

über das Thema:

### Convergent star-products on Hilbert spaces

I will present a way to construct a Fréchet-topology on the symmetric tensor algebra over a Hilbert space, such that the usual star-products of exponential type are continuous. Due to the stronger assumptions than in previous approaches, one can prove some nice analytic properties of this deformation of the symmetric tensor product, e.g. a continuous dependence on a  $C^*$ -Algebra valued deformation parameter.

gez. Stefan Waldmann