

Im Oberseminar

## Deformationsquantisierung

spricht am **25.04.2014 um 10 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

**BENEDIKT HURLE**

über das Thema:

Deformation of fiber bundles

In this talk, I will present the topic of my master thesis. It is about deformation quantization of fiber bundles  $P \rightarrow M$ , where  $M$  has a given starproduct  $\star_M$ . The aim is to find necessary and sufficient conditions for the existence of a bimodule or an algebra structure on  $C^\infty(P)$ , which is compatible with  $\star_M$ . Also some examples coming from the theory of quantum groups will be studied.

gez. Stefan Waldmann