Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

MUΦX
Lehrstuhl X

Im Oberseminar

Deformationsquantisierung

spricht am **15.05.2015 um 14 Uhr c.t.,**

im Seminarraum 00.009 (Physik Ost)

MATTHIAS SCHÖTZ

über das Thema:

Deformations for actions of Kähler Lie groups

I will give a summary on the geometric aspects of deformations for actions of Kähler Lie groups that have been discussed in great detail in a recent memoir by Pierre Bieliavsky and Victor Gayral. The idea is to deform a Fréchet-algebra $\mathcal{A}$ by making use of the action of some general negatively curved Kähler Lie group G on $\mathcal{A}$, analogously to Rieffel's deformation of $\mathcal{C}^\infty(\mathbb{R}^{2n})$ using the action of $\mathbb{R}^{2n}$ via translation. As a concrete example, I will discuss the application to the Poincaré-disc.

gez. Stefan Waldmann