Julius-Maximilians-
UNIVERSITÄT
WÜRZBURG

Lehrstuhl X

Im Oberseminar

Deformationsquantisierung

spricht am **03 June 2016 um 14 Uhr c.t.,**

im Seminarraum 00.009 (Physik Ost)

Alfonso G. Tortorella

über das Thema:

Deformations of coisotropic submanifolds of Jacobi manifolds

In this paper, using the Atiyah algebroid and first order multi-differential calculus on non-trivial line bundles, we attach an L_∞-algebra to any coisotropic submanifold S in an abstract (or Kirillov's) Jacobi manifold. Our construction generalizes and unifies analogous constructions in symplectic, Poisson case, and locally conformal symplectic geometry. As a new special case, we attach an L_∞-algebra to any coisotropic submanifold in a contact manifold, including Legendrian submanifolds. The L_∞-algebra of a coisotropic submanifold S governs the (formal) deformation problem of S.

gez. Stefan Waldmann