

Im Oberseminar

Deformationsquantisierung

spricht am **9. 11. 2018 um 14 Uhr c.t.**,

im Seminarraum 00.009 (Physik Ost)

GREGOR SCHAUMANN

über das Thema:

Quantum field theory from linearising groupoids of G -bundles

In this talk we will motivate the framework of a functorial (quantum) field theory and then consider the toy example of a topological gauge theory with finite gauge group G (Dijkgraaf-Witten theory). Its classical fields are principal G -bundles and the corresponding quantum field theory is constructed by linearising spans of groupoids. Finally, we outline how to generalize this theory using state sum models.

gez. Stefan Waldmann