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E I N L A D U N G

im Rahmen des Seminars für Mathematische Physik

(Joint TU/UV Theory Seminar)

zum Vortrag

von

Urmi Ninad

Universität Bonn

„Duality defects in 2d Gauged Linear Sigma Models“

Abstract:
In this talk I will discuss certain 2d supersymmetric gauge theories (GLSMs) with a boundary which in the infrared flow to SCFTs that are relevant for string compactifications with D-branes. Certain non-abelian GLSMs exhibit Seiberg-like dualities which relate seemingly different ultraviolet theories with the same infrared physics. I extend the analysis of such dualities to theories with boundaries and propose the action of the duality on the boundary.
I geometrically realise these boundary degrees of freedom in terms of objects in the derived category of coherent sheaves for SCFTs admitting an NLSM description and demonstrate our approach using simple examples.

Zeit: Dienstag, 29.10.2019, 13.45 h

Ort: Fakultät für Physik, Erwin-Schrödinger-Hörsaal,
Boltzmanngasse 5, 5. Stock

gez.: S. Fredenhagen, D. Grumiller, C. Zwikel, T. Schimannek