



EINLADUNG

im Rahmen des Seminars für Mathematische Physik
zum Vortrag
von

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über

„Unconventional D-branes on T^4 “

Abstract:

We show that apart from the conventional D_p-branes and their supersymmetric bound states, the weakly coupled type II superstring compactified on a 4-torus admits new stable non-BPS fundamental D-branes. We construct the corresponding elementary superconformal boundary states at special values of closed string moduli for which the worldsheet theory admits a Gepner-like description and check a number of BCFT consistency conditions. The open string spectrum of these new non-BPS D-branes is tachyon free despite the fact that they carry no RR charges. New explicit superconformal boundary states for certain 1/4-BPS bound states of D_p-branes are also found.

Zeit: Dienstag, 25.06.2019, **13.45**

Ort: TU Wien, Wiedner Hauptstraße 8, Yellow Area, 9th floor,
Seminar Room (DB 09 E23)

gez.: S. Fredenhagen, D. Grumiller, D. Erkinger, R. Wutte