E I N L A D U N G

im Rahmen des Seminars für Mathematische Physik

(Joint TU/UV Theory Seminar)

zum Vortrag

von

Gerben Oling

(Nordita, Stockholm)

„Galilean and Carrollian limits of non-relativistic strings"

Abstract:
I will present and analyze two novel classes of non-relativistic string actions.
Non-relativistic string theory usually refers to a particular limit of string theory that results
in a non-relativistic spectrum, as I will briefly review from a modern geometrical perspective.
However, the worldsheet geometry of such strings is still Lorentzian. Motivated in part by
decoupling limits of N=4 SYM, I will introduce two related constructions that lead to novel
classes of non-relativistic strings with Galilean and Carrollian structures on the worldsheet,
respectively.
Time permitting, I will briefly present their Hamiltonian constraint analysis, and I will
comment on their potential relevance for accessing new solvable subsectors of AdS/CFT.

Zeit: Dienstag, **21.03.2023, 14.00 h**

Ort: **TU Wien-** SEM.R.DA grün 05 (Freihaus, TU Wien, Wiedner Hauptstrasse 8)

gez.: S. Fredenhagen, D. Grumiller, E. Battista, R. Ruzziconi