



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

ARNOLD SOMMERFELD
CENTER FOR THEORETICAL PHYSICS



Sommerfeld Theory Colloquium

Professor Marc Henneaux

University of Brussels

The asymptotic structure of gravity at
spatial infinity ($D=4$ and $D>4$)

The asymptotic structure of gravity in the asymptotically flat case will be described in four and higher spacetime dimensions by making central use of the Hamiltonian formalism. Special emphasis will be paid to the case $D=5$. How the relevant infinite-dimensional asymptotic symmetry group (BMS group) emerges at spatial infinity will be explained. Non-linear structures which appear in five (and higher) spacetime dimensions will be discussed.

Wednesday, July 13, 2022, 16:15h, Room 348, Theresienstr. 37 / III and via Zoom

Prof. Dieter Lüst and Prof. Slava Mukhanov