



EINLADUNG

im Rahmen des Seminars für Mathematische Physik

zum Vortrag

von

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über

„Applied Newton-Cartan Geometry“

Abstract:

I will give an introduction into the non-relativistic version of Riemannian geometry, which is called Newton-Cartan geometry. The corresponding non-relativistic gravity theory, called Newton-Cartan gravity, has received a renewed attention due to unexpected applications as a new tool to examine the (non-perturbative) properties of non-relativistic quantum field theories.

I will explain the basic construction of Newton-Cartan gravity plus some of its generalizations thereby putting an emphasis on how these different theories can be obtained by taking limits or reductions of General Relativity.

Zeit: Dienstag, 21.03.2017, 14:15

Ort: Erwin-Schrödinger-Hörsaal , Boltzmannngasse 5, 5. Stock

gez.: S. Fredenhagen, H. Steinacker