



Oberseminar
Geometrische Analysis, Differentialgeometrie und Relativitätstheorie

Am Mittwoch, den **05.03.2025** spricht um **14 Uhr s.t.** im Hörsaal N14 / M1 **und über Zoom**

Prof. Dr. Martín Reiris Ithurralde
(Universidad de la República - Uruguay)

über das Thema

Static vacuum 3+1 black holes that cannot be put into stationary rotation

We will show that some of the static Myers/Korotkin-Nicolai (MKN) vacuum 3+1 static black holes cannot be put into stationary rotation. Namely, they cannot be deformed into axisymmetric stationary vacuum black holes with non-zero angular momentum. We also prove that this occurs in particular for those MKN solutions for which the distance along the axis between the two poles of the horizon is sufficiently small compared to the square root of its area. The MKN solutions, sometimes called periodic Schwarzschild, are physically regular, have no struts or singularities, but are asymptotically Kasner.

Den Zoom-Link erhalten Sie per E-Mail von Martina Neu.

For participating online, please sign up by sending an email to Martina Neu.

Hierzu wird herzlich eingeladen.

Rodrigo Avalos, Carla Cederbaum, Gerhard Huisken, zusammen mit Jan Metzger (Potsdam)