



Sommersemester 2015

Oberseminar  
Geometrische Analysis und Mathematische Relativitätstheorie

Am Freitag, den 22.05.2015 spricht um 14 Uhr c. t. im Raum N16

**Prof. Dr. Domenico Giulini**  
(Universität Hannover und ZARM Bremen)

über das Thema

**Black holes in cosmological spacetimes**

Our intuition concerning exact solutions to Einstein's equations are essentially based on either spatially asymptotically Minkowskian solutions, like the exterior Schwarzschild, or spatially homogeneous cosmological solutions, like the Friedmann universe. We are interested in combining these solutions, i.e., to 'embed' black holes in cosmological environments, and eventually even replace all matter by a distribution of black holes. There are a number of conceptual and mathematical issues associated to this program which I wish to discuss in my talk.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken, C. Nerz