



EINLADUNG

im Rahmen Literaturseminars

zum Vortrag

von

Pau Figueras

(Queen Mary College, London)

über

***„Non-spherically symmetric collapse in
asymptotically AdS spacetimes“***

Abstract:

In this talk I'm going to present our recent studies on gravitational collapse in asymptotically anti-de Sitter spacetimes away from spherical symmetry. Starting from initial data sourced by a massless real scalar field, we solve the Einstein equations with a negative cosmological constant in five spacetime dimensions and obtain a family of non-spherically symmetric solutions, including those that form two distinct black holes on the axis. We find that these configurations collapse faster than spherically symmetric ones of the same mass and radial compactness. Similarly, they require less mass to collapse within a fixed time.

Zeit: Donnerstag, 08.11.2018, 14.00

Ort: Arbeitsgruppe Gravitation, Währinger Straße 17,
Raum 218, 2. Stock

gez.: P. Chrusciel, D. Fajman