



Wintersemester 2014/15

**Oberseminar  
Geometrische Analysis und Mathematische Relativitätstheorie**

Am Donnerstag, den **15.01.2015** spricht um **14 Uhr c. t.** im Raum N16

**Dr. David Fajman**  
(Universität Wien)

über das Thema

**The Einstein-flow on the 2-sphere**

We study the Einstein-flow on the 2-sphere coupled to the massive Vlasov equation. We construct isotropic, future complete, non-vacuum solutions, which have no vacuum counterparts and study their nonlinear stability problem. The results illustrate a feature of the Einstein-Vlasov system in 2+1 dimensions, which 'decouples' the spatial topology from the future asymptotic behavior of the solutions.

Hierzu wird herzlich eingeladen.

C. Cederbaum, G. Huisken