



## Prof. Dr. Luciano Rezzolla (MPI Potsdam) Modelling sources of gravitational waves

**ZEIT:**

14.2.2008, 15:00 Uhr - 17:00 Uhr

**ORT:**

HU-Berlin  
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Rudower Chaussee 25, Raum 1.013  
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The modelling of sources of gravitational waves requires the solution in fully nonlinear regimes of the Einstein field equations together with those of relativistic hydrodynamics and magnetohydrodynamics. In my seminar I will review briefly the numerical techniques employed to obtain accurate solutions and review the present achievements in the modelling of sources in vacuum and non-vacuum spacetimes.

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