

Physik-Kolloquium



Dienstag, den 18.11.2014, 16.00 Uhr

Prof. Dr. Bernd Brügmann

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Black Holes on a Computer

Black holes are paradigms of extreme gravity described by Einstein's theory of general relativity. This talk reviews recent progress in numerical relativity that allows for the first time the simulation of the general relativistic two body problem for black holes and neutron stars. A key result is how such binaries generate spacetime oscillations, so-called gravitational waves, that provide information about astrophysical phenomena that would otherwise remain black and unseen.

Ort: Hörsaal für Theoretische Physik, Linnéstraße 5

Alle Teilnehmer sind ab 15.30 Uhr zu Kaffee vor dem Hörsaal eingeladen.