



Prof. Gerard 't Hooft (Utrecht University)

The Quantum Structure of the Black Hole Horizon

ZEIT:

1.11.2007, 17:00 Uhr - 18:30 Uhr

ORT:

HU-Berlin

Institut für Informatik, Hörsaal 3.001

Rudower Chaussee 25

12489 Berlin

It is now generally expected that black holes display a pure quantum spectrum of states. In this respect, they are not fundamentally different from unstable resonances in a scattering process. The properties of these resonances can be derived from Standard Model physics and perturbative gravity. A systematic approach is described that leads to an algebra of operators defined on the horizon, applicable to non-extreme black holes.

Kontakt:

Humboldt-Universität zu Berlin . Institut für Mathematik
SFB 647 . Unter den Linden 6 . 10099 Berlin
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727
sfb647@math.hu-berlin.de

www.raumzeitmaterie.de