



## SFB Seminar + Vollversammlung

### ZEIT:

29.1.2008, 15:00 Uhr - 19:00 Uhr

### ORT:

HU-Berlin  
Invalidenstraße 42  
Nordbau, Hörsaal 8  
10115 Berlin

### PROGRAMM:

15:00 - 15:45 Vollversammlung des SFB 647

15:45 - 16:00 Pause

16:00 - 17:00 **Prof. Dr. Jan Louis (Desy)**

#### **Particles, Strings and the Early Universe**

In the first part of the talk I introduce the SFB 676 "Particles, Strings and the Early Universe". I will briefly discuss the present and future interest in studying the interface of particle physics, string theory and cosmology.

In the last part of the talk I concentrate on string theory and in particular on compactifications on manifolds with G-structure.

17:00 - 17:30 Kaffeepause

17:30 - 18:30 **Prof. Dr. Klaus Ecker (FU Berlin)**

#### **Entropy formulas for geometric evolution equations**

We present an entropy formula for the Ricci flow due to Perelman and discuss its connection with isoperimetric properties of the evolving manifold. Extensions to mean curvature flow will also be touched upon.

### 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](http://www.raumzeitmaterie.de)