



Lecture Course in the Integrated Research Training Group (IRTG)
of the SFB 676 "Particles, Strings and the Early Universe"

Summer Term 2012

Introduction into String Theory

V. Schomerus

Course Description:

The following topics will be covered:

- Quantisation of the bosonic string (open and closed)
- D-brans and Yang-Mills theory
- Superstring theories (type IIA, IIB & heterotic)
- Basics of conformal field theory
- Calabi-Yau compactifications
- Dualities, in particular AdS/CFT correspondence

Date and Place:

Wed, 11:30 – 13:00, SR2/2a, DESY
Fri, 11:30 – 13:00, SR2/2a, DESY

Starting on:

11 April 2012

Exercises:

to be announced
