

DESY Seminar

29 November 2005, 17:00, DESY Hörsaal

Volker Schomerus (DESY),
Strings for Everybody

Gauge theories have been studied for several decades as the most successful models for the description of nature. In spite of all efforts, some of their key features remain mysterious, in particular concerning the behavior at strong coupling. G. 't Hooft had argued many years ago that it should be possible to compute amplitudes in strongly coupled large N gauge theories within perturbative string theory. But unfortunately, no concrete example was known to demonstrate the power of such ideas. Through the developments of the last few years, this situation has changed profoundly. During my talk I will discuss in detail the origin and some surprising consequences of novel 'dualities' between gauge and string theories.

- Tea and cookies will be served at 16:45 in the lobby.
- After the seminar there is a chance for private discussions with the speaker over wine and pretzels also in the lobby.