

18th 'Saalburg' Summer School

FOUNDATIONS AND NEW METHODS IN THEORETICAL PHYSICS

03 – 14 September, 2012
Wolfersdorf, Thüringen



This school gives up to 30 PhD students of theoretical physics the opportunity of becoming familiar with a selection of modern aspects and methods in theoretical and mathematical physics. Basic knowledge of quantum field theory, general relativity and group theory is assumed. Lectures and exercises will be conducted on:

Topics beyond the Standard Model	P. Ramond	University of Florida at Gainesville
Statistical field theory	E. Brézin	École Normale Supérieure Paris
Nonequilibrium quantum field theory	J. Berges	Universität Heidelberg
Introduction to AdS/CFT	S. Theisen	Albert-Einstein-Institut Potsdam
Introduction to turbulence	K. Gawędzki	École Normale Supérieure Lyon

For electronic application and further information please go to

<http://www.itp.uni-hannover.de/saalburg>

The deadline is 30 June, and further instructions (list of participants, suggested literature) will appear starting July. Participants cover their travel and a school fee of 150 Euro; lodging and food (without drinks) are provided by the school. In 2002, the school's location moved from Saalburg to the hotel *Am Kellerberg* in the village of *Trockenborn-Wolfersdorf*, about 20 km southeast of Jena in the foothills of the Thüringer Wald.

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