

15th 'Saalburg' Summer School

FOUNDATIONS AND NEW METHODS IN THEORETICAL PHYSICS

31 August – 11 September, 2009
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 their field. Basic knowledge of quantum field theory, general relativity and group theory is assumed. Both lectures and exercises will be conducted on the following topics:

Infinite-dimensional symmetries	H. Nicolai	Albert-Einstein Institut Potsdam
Introduction to cosmology	D. Schwarz	Bielefeld University
Geometric quantization and hamiltonian analysis in field theory	V.P. Nair	City University of New York
Noncommutative field theory	R. Szabo	Heriot-Watt University Edinburgh
Introduction to lattice field theory	U.-J. Wiese	University of Bern

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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