

14th 'Saalburg' Summer School

FOUNDATIONS AND NEW METHODS IN THEORETICAL PHYSICS

01 – 12 September, 2008
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:

Lie algebras and applications	H. Steinacker	Vienna University
Functional determinants in quantum field theory	G. Dunne	Connecticut University
Extra dimensions	R. Gregory	Durham University
On-shell methods	R. Roiban	Pennsylvania State University
Beyond Standard Model phenomenology	H. Dreiner	Bonn University

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.

Olaf Lechtenfeld
Hannover

Jan Plefka
Berlin

Ivo Sachs
München

Stefan Theisen
Potsdam

Andreas Wipf
Jena