

19th 'Saalburg' Summer School

FOUNDATIONS AND NEW METHODS IN THEORETICAL PHYSICS

02 – 13 September, 2013
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:

Beyond standard model signatures	P. Langacker	Princeton, University and IAS
Higher-spin theory: problems and perspectives	D. Francia	Scuola Normale Superiore Pisa
Effective field theory and quantum gravity	J. Donoghue	University of Massachusetts at Amherst
Geometry and topology in physics	T. Weigand	Universität Heidelberg
Dynamics of the string theory landscape	B. Freivogel	Universiteit van Amsterdam

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.

Arthur Hebecker
Heidelberg

Olaf Lechtenfeld
Hannover

Ivo Sachs
München

Stefan Theisen
Potsdam

Andreas Wipf
Jena

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