

23rd 'Saalburg' Summer School

FOUNDATIONS AND NEW METHODS IN THEORETICAL PHYSICS

04 – 15 September, 2017
Wolfersdorf, Thüringen



This school gives up to 35 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:

Cosmology, where smallest and largest scales meet	R. Durrer	Université de Genève
Entanglement	J. de Boer	Universiteit van Amsterdam
Exact perturbation theory	M. Serone	SISSA, Trieste
Dark matter, baryogenesis and all that	L. Covi	Universität Göttingen
Three dimensional gravity	M. Bañados	Universidad Católica de Chile

For electronic application and further information please go to

<https://saalburg.aei.mpg.de/>

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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Supported by the Wilhelm and Else Heraeus Foundation

