



Heidelberg Graduate School
of Fundamental Physics



XXI HEIDELBERG PHYSICS GRADUATE DAYS

29. September – 02. October 2008
at the Faculty of Physics and Astronomy of the University of Heidelberg

Courses are conceived for advanced students in physics, in particular for doctoral, masters or diploma students. The goal of the lecture series is to expand the general knowledge of students and to deepen their understanding of special topics and methods. Each course runs every day for four days either in a morning or afternoon slot.

Morning Courses | Monday to Thursday, 9:30-12:30

- »PHYSICS OF COMPACT STARS« Jürgen Schaffner-Bielich, University of Heidelberg
- »THEORETICAL METHODS IN QUANTUM OPTICS« Scott Parkins, University of Auckland, New Zealand
- »UNDERSTANDING THE QCD PHASE DIAGRAMME« Bernd-Jochen Schäfer, University of Graz, Austria
- »NON-EQUILIBRIUM DYNAMICS IN LOW D SYSTEMS« Thomas Gasenzer, University of Heidelberg
- »APPLICATIONS OF MRI IN CLINICAL MEDICINE« Lothar Schad, University of Mannheim

Afternoon Courses | Monday to Thursday, 14:00-17:00

- »QUANTUM INFORMATION AND ENTANGLEMENT« Florian Mintert, University of Freiburg
- »EVOLUTION OF THE COSMOLOGICAL LARGE SCALE STRUCTURE« ... Björn Schäfer, University of Heidelberg
- »FORMATION OF PLANETS« Sebastian Wolf, University of Kiel
- »AN INTRODUCTION TO CHIRAL PERTURBATION THEORY« Ulf Meißner, Helmholtz Institute Bonn and FZ Jülich
- »SCIENTIFIC METHODS FOR QUANTIFYING AND MANAGING RISK IN THE FINANCIAL WORLD« d-fine, Frankfurt
- »NUCLEAR RENAISSANCE – MYTH OR SUBSTANCE?«
(SINGLE LECTURE) André Schnidrig, Alexander Weiss, McKinsey&Company

Hans Jensen Invited Lecture | 01.10.2008, 17:30, Great Lecture Theatre, Philosophenweg 12

- »THE ›CONCORDANCE MODEL‹
AND THE VALUE OF THE HUBBLE CONSTANT« Andreas Tammann, University of Basel

For registration and further information on the internet, see <http://gsfp.physi.uni-heidelberg.de/graddays/>

