



HGSFP

Heidelberg Graduate School
of Fundamental Physics



XXIV HEIDELBERG PHYSICS GRADUATE DAYS 06. April – 09. April 2010

at the Department 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 | Tuesday to Friday | 9:30-12:30

- »NEUTRON SCATTERING: „WHERE ATOMS ARE AND WHAT ATOMS DO“«
..... Niels Christensen, Risø National Laboratory and TU Denmark, Copenhagen
- »INTRODUCTION TO COMPUTATIONAL ASTROPHYSICS«
..... Fritz Roepke, Max Planck Institute for Astrophysics, Garching
- »TRANSPORT THROUGH NANOSTRUCTURES IN THE QUANTUM-TO-CLASSICAL CROSSOVER«
..... Stefan Rotter, Technical University, Vienna
- »MODERN TECHNIQUES IN STATISTICS AND DATA ANALYSIS«
..... Helge Voss, Max Planck Institute for Nuclear Physics, Heidelberg
- »SCIENTIFIC WRITING« Sita Schanne, University of Heidelberg

Afternoon Courses | Tuesday to Friday | 14:00-17:00

- »MANY-BODY QUANTUM PHYSICS WITH COLD ATOMS« Sebastian Diehl, University of Innsbruck
- »NEW PHYSICS AT THE LHC« Tilman Plehn, University of Heidelberg
- »BIOLOGICAL BACKGROUND AND THEORETICAL MODELS OF BRAIN FUNCTIONS«
..... Heinz Horner, University of Heidelberg
- »FROM TINY GALAXIES TO HUGE CLUSTERS - A GUIDED TOUR THROUGH THE LOCAL UNIVERSE«
..... Thorsten Lisker, University of Heidelberg
- »NEUTRINO ASTRONOMY« Ulrich Katz, University of Erlangen-Nuremberg
- »A PRACTICAL COURSE TEACHING C++« Jens Schöbel, Crytek, Frankfurt am Main

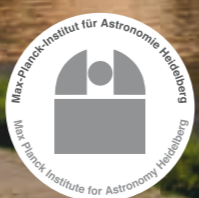
Additional Lecture | Tuesday, 06.04.2010 | 17:30

- »MAKING SCIENCE UNDERSTANDABLE« Hannelore Hämmerle, Max Planck Institute for Astrophysics, Garching
followed by a general welcome party

Hans Jensen Invited Lecture | Thursday, 08.04.2010 | 17:30 | Great Lecture Theatre, Philosophenweg 12

- »USING ULTRACOLD ATOMS TO LEARN ABOUT
DENSE NUCLEAR AND QCD MATTER« Gordon Baym, University of Illinois
followed by the d-fine barbecue

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



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