

## SCHEDULE

### Monday

- 08:30-09:30 Registration at  
Albert-Ueberle-Str. 3-5,  
2nd floor, room 260
- 09:30-12:30 Morning lectures
- 12:30-13:30 Lunch, welcome address
- 14:00-17:00 Afternoon lectures
- 17:30-18:30 VMS AG industry lecture
- 18:30- ... General Welcome Party

### Tuesday

- 09:30-12:30 Morning lectures
- 12:30-13:30 Lunch
- 14:00-17:00 Afternoon lectures

### Wednesday

- 09:30-12:30 Morning lectures
- 12:30-13:30 Lunch
- 14:00-17:00 Afternoon lectures
- 17:30-18:30 Hans Jensen Invited Lecture  
Philosophenweg 12,  
»Großer Hörsaal
- 18:30- ... d-fine barbecue

### Thursday

- 09:30-12:30 Morning lectures
- 12:30-13:30 Lunch
- 14:00-17:00 Afternoon lectures

### Friday

- 09:30-12:30 Morning lectures
- 12:30-13:30 Lunch
- 14:00-17:00 Afternoon lectures

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## MAP



- 1 .... Institute of Theoretical Physics, Seminar Room, Philosophenweg 19
- 2 ..... Institute of Theoretical Physics, Library, Philosophenweg 16
- 3 ..... »Physikalisches Institut, »Kleiner Hörsaal, Philosophenweg 12
- 4 ..... »Physikalisches Institut, »Großer Hörsaal, Philosophenweg 12
- 5 ..... »Physikalisches Institut, Technical Workshop, Philosophenweg 12
- 6 ..... »Physikalisches Institut, »Neuer Hörsaal, Albert-Ueberle-Str. 7
- 7 ..... »Physikalisches Institut, Technical Workshop, Philosophenweg 12
- 8 ..... Institute of Theoretical Astrophysics, Albert-Ueberle-Str. 2
- 9 ..... Albert-Ueberle-Str. 1
- 10 ..... Dean's Office, Dept. of Physics and Astronomy, Albert-Ueberle-Str. 3-5
- 11 ..... Central Office, HGSP, Albert-Ueberle-Str. 3-5
- 12 ..... CIP Pool of the Institute of Psychology, Hauptstr. 47-51



HGSP

Heidelberg Graduate School  
of Fundamental Physics



# XXII HEIDELBERG PHYSICS GRADUATE DAYS

23. March – 27. March 2009

at the Department of Physics and Astronomy  
of the University of Heidelberg

Programme

SUPPORTED BY

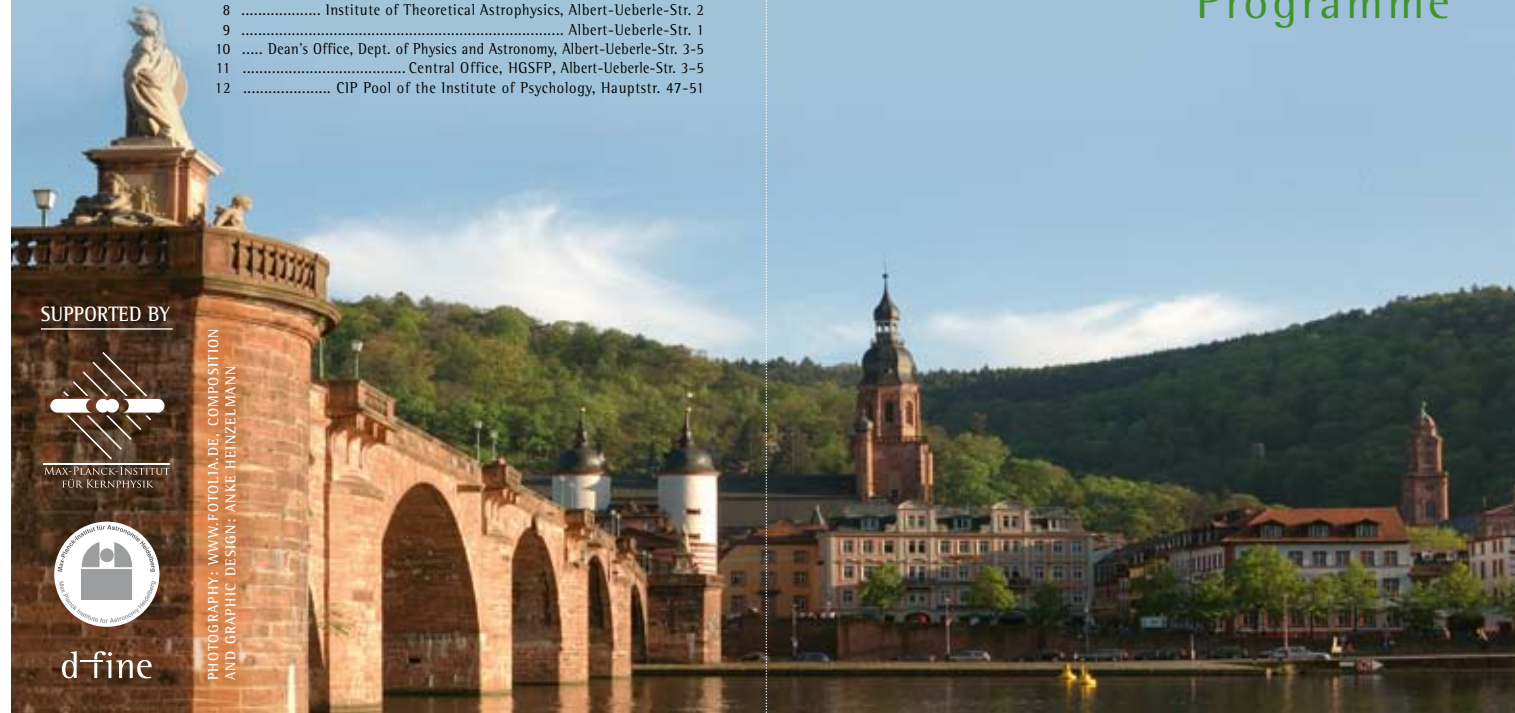


MAX-PLANCK-INSTITUT  
FÜR KERNPHYSIK



d-fine

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## REGISTRATION

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All participants are requested to register at the conference office on Monday morning between 8:30 and 9:30 a.m. The address is: Albert-Ueberle-Str. 3-5, 2nd floor, room 260 of Mrs. Buchhaupt (+49 6221 54 92 85). If you have not paid the conference fee, you should do it in cash then.

At this office, you can obtain further information about the event. There will also be a short welcome address by the organisers on Monday during the lunchbreak, where you can ask further questions.

## PROGRAMME

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### Morning lectures (9:30–12:30)

#### »INTRODUCTION TO SUPERCONDUCTIVITY«

Boris Fine (University of Heidelberg)  
Room: Phil 19 SR

#### »EMERGENT PHENOMENA IN QUANTUM MANY BODY SYSTEMS«

Lincoln Carr (University of Colorado)  
Room: Phil 12 gHS

#### »ASPECTS OF NANOTECHNOLOGY: NANO QUAKES ON A CHIP«

Achim Wixforth (University of Augsburg)  
Room: Phil 12 SR

#### »NEWS FROM QUANTUM GRAVITY«

Daniel Litim (University of Sussex)  
Room: Phil 12 kHS

#### »RETHINKING SCIENCE STUDIES, METHODOLOGY, ETHICS AND THE INTERNATIONAL POLITICAL ECONOMY OF THE ENVIRONMENT«

Giridhari Lal Pandit (University of Delhi)  
Room: A-Ue 3-5 FS

### Afternoon lectures (14:00–17:00)

#### »COMPLEX MATTER ON THE BORDER OF MAGNETISM«

Christos Panagopoulos (University of Crete)  
Room: Phil 12 SR

#### »DIPOLAR QUANTUM GASES«

Matthias Weidemüller (University of Heidelberg)  
Room: Phil 12 gHS

#### »OBSERVATIONAL ASTEROSEISMOLOGY«

Mike Reed (Missouri State University)  
Room: A-Ue 3-5 SR

#### »SILICON DETECTORS«

Peter Fischer (Technical Computation, University of Mannheim)  
Room: Phil 12 kHS

#### »LATTICE QCD - TOPOLOGY AND GEOMETRY IN PHYSICS«

Falk Bruckmann (University of Regensburg)  
Room: Phil 19 SR

#### »PRESENTING RESEARCH RESULTS«

Ute Leidig (Department of Key Competencies,  
University of Heidelberg)  
Room: A-Ue 3-5 FS

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### Additional lecture (Monday, 17:30–18:30)

#### »ANALYSING LARGE IT SYSTEMS: A PHYSICIST'S POINT OF VIEW«

Andreas Mielke (VMS AG)  
Room: Phil 12 gHS

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### Hans Jensen Invited Lecture (Wednesday, 17:30–18:30)

#### »TESTING THE LIMITS OF QUANTUM MECHANICS: MOTIVATION, STATE OF PLAY, PROSPECTS«

Anthony Leggett, Nobel Laureate (University of Illinois)  
Room: Phil 12 gHS

## BREAKS AND EVENTS

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Coffee breaks (around 11:00 and 15:30)

Lunch break (12:30–13:30)

General Welcome Party (Monday, 18:30–...)

d-fine barbecue (Wednesday, 18:30–...)

## LEGEND

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**Phil 19 SR:** Seminar room  
Institute of Theoretical Physics,  
Philosophenweg 19

**Phil 12 gHS:** »Großer Hörsaal«  
(Large lecture theatre),  
1st floor, »Physikalisches Institut«,  
Philosophenweg 12

**Phil 12 kHS:** »Kleiner Hörsaal«  
(Small lecture theatre),  
2nd floor, »Physikalisches Institut«,  
Philosophenweg 12

**Phil 12 SR:** Seminar room  
3rd floor,  
»Physikalisches Institut«,  
Philosophenweg 12

**A-Ue 3-5 FS:** »Fakultätssaal«  
3rd floor,  
»Physikalisches Institut«,  
Albert-Ueberle-Str. 3-5

**A-Ue 3-5 SR:** Seminar room  
1st floor,  
»Physikalisches Institut«,  
Albert-Ueberle-Str. 3-5