

SCHEDULE

MONDAY

- 08:30–09:30 Registration at the foyer of the
»Physikalisches Institut«, INF 226
- 09:30–12:30 Morning lectures
- 12:30–13:30 Lunch
- 14:00–17:00 Afternoon lectures
- 17:30–18:30 Additional lecture
- 18:30– ... General welcome party

TUESDAY

- 09:30–12:30 Morning lectures
- 12:30–13:30 Lunch
- 14:00–17:00 Afternoon lectures
- 17:15– ... Student Representatives' Welcome

WEDNESDAY

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

THURSDAY

- 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
- 18:30– ... d-fine barbecue

FRIDAY

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

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MAP



- 1 »Physikalisches Institut«, INF 226
- 2 »Kirchhoff-Institut für Physik«, INF 227
- 3 »Institut für Umwelphysik«, INF 229
- 4 »Hörsäle Physik«, INF 308
- 5 »Mensa Area E«, INF 304

SUPPORTED BY:



MAX-PLANCK-INSTITUT
FÜR KERNPHYSIK



Center for
Quantum Dynamics

d-fine

VOLUME
GRAPHICS

FURTHER INFORMATION:



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

41st HEIDELBERG PHYSICS GRADUATE DAYS

October 8–12, 2018

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

PROGRAMME



PROGRAMME

MORNING COURSES (9:30–12:30)

STOCHASTIC PROCESSES, HYDRODYNAMICS AND ACTIVE MOTION

Roland Winkler, Forschungszentrum Jülich

INF 226 K1/2/3

AXIONS

David J. E. Marsh, University of Göttingen

INF 227 SR 3.404

B-PHYSICS: FROM THE SM FLAVOUR STRUCTURE TO NEW DISCOVERIES

Johannes Albrecht, TU Dortmund

INF 227 SR 3.402

EXPLORING THE MILKY WAY: STATISTICAL ANALYSIS OF GAIA DATA

Jan Rybizki, Maria Süveges, Max Planck Institute for Astronomy

INF 226 CIP POOL

QUANTUM DYNAMICS WITH X-RAYS

Adriana Pálffy, Max-Planck-Institut für Kernphysik

INF 227 SR 1.403/404

PRESENTING RESEARCH RESULTS

Ute Leidig, Heidelberg University

INF 227 SR 3.403

AFTERNOON COURSES (14:00–17:00)

ENTANGLEMENT IN QUANTUM MANY-BODY SYSTEMS

Norbert Schuch, Max Planck Institute of Quantum Optics, Garching

INF 227 SR 1.403/404

PARTICLE PHYSICS WITH ORBIT BASED INSTRUMENTS

Stephan Zimmer, University of Innsbruck

INF 227 SR 3.402

MORE PHYSICS IN LESS DIMENSIONS: TOPOLOGICAL PHASE TRANSITIONS, CRITICAL PHENOMENA FAR FROM THERMAL EQUILIBRIUM, AND GOLDSTONE-MODES IN 2D COLLOIDAL MONOLAYERS

Peter Keim, University of Konstanz

INF 227 SR 3.404

COMPUTATIONAL PHYSICS WITH GPUS

Martin Weigel, Coventry University

INF 226 CIP POOL

SIMULATIONS OF GALAXY FORMATION AND EVOLUTION

Annalisa Pillepich, Max Planck Institute for Astronomy

INF 227 SR 3.403

DATA DRIVEN CONSULTING: TOPICS FOR TODAY AND TOMORROW

Team d-fine, d-fine, Frankfurt am Main

INF 226 K1/2/3

ADDITIONAL LECTURE (MONDAY, 17:30–18:30)

FROM PHYSICS STUDENT TO GLOBAL MARKET LEADER IN UNDER 20 YEARS

Christof Reinhart, Volume Graphics, Heidelberg

INF 227 HS2

STUDENT REPRESENTATIVES' WELCOME (TUESDAY, 17:15–...)

INF 226 K1/2/3

HANS JENSEN INVITED LECTURE (THURSDAY, 17:30–18:30)

THE STANDARD COLD DARK MATTER MODEL OF COSMOGONY AND HOW TO RULE IT OUT

Carlos Frenk, Durham University

INF 227 HS1

BREAKS AND EVENTS

COFFEE BREAKS (AROUND 11:00 AND 15:30)

FOYER, INF 226

LUNCH BREAK (12:30–13:30)

»MENSA AREA E«, INF 304

GENERAL WELCOME PARTY (MONDAY, 18:30–...)

FOYER, INF 226

D-FINE BARBECUE (THURSDAY, 18:30–...)

FOYER, INF 226

LEGEND

INF 226 K1/2/3

»Konferenz 1/2/3«
Room 00.101–00.103
»Physikalisches Institut«
Ground floor

INF 226 CIP POOL

»CIP POOL«
Room 01.305
»Physikalisches Institut«
1st floor

INF 227 HS1

»Großer Hörsaal«
Kirchhoff Institute for Physics
Ground floor

INF 227 HS2

»Kleiner Hörsaal«
Kirchhoff Institute for Physics
Ground floor

INF 227 SR 1.403/404

Seminar room
Kirchhoff Institute for Physics
1st floor

INF 227 SR 3.402

Seminar room
Kirchhoff Institute for Physics
3rd floor

INF 227 SR 3.403

Seminar room
Kirchhoff Institute for Physics
3rd floor

INF 227 SR 3.404

Seminar room
Kirchhoff Institute for Physics
3rd floor

REGISTRATION

All participants are requested to register at the conference office on Monday morning between 8:30 and 9:30.

This office will be positioned in the foyer of the »Physikalisches Institut«, INF 226. 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.