# **SCHEDULE**

# **TUESDAY**

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, welcome address

14:00–17:00 Afternoon lectures

17:15–18:30 Student Representatives' Welcome

18:30– ... General welcome party

# **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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# 34th HEIDELBERG PHYSICS GRADUATE DAYS

April 7–10, 2015

AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY

**PROGRAMME** 



**MORNING COURSES** (9:30 –12:30)

BARYOGENESIS IN THE EARLY UNIVERSE

Laura Covi, Göttingen University

INF 226 K2/3

GRAVITATION AND THERMODYNAMICS

Yves Gaspar, Catholic University of the

Sacred Heart, Brescia

INF 227 SR 2.403

AN X-RAY VIEW OF ACTIVE GALACTIC NUCLEI AND THEIR COSMOLOGICAL EVOLUTION

Andrea Merloni, Max Planck Institute for

Extraterrestrial Physics, Garching INF 227 SR 2.404

PHYSICAL MODELLING OF NEURAL CIRCUITS

Paul Rhodes, Evolved Machines,

Palo Alto, California INF 227 SR 1.403/404

APPLICATIONS OF NMR IN BIOMEDICINE

Lothar Schad and Florian Lietzmann,

Heidelberg University INF 227 SR 2.402

TIMELY TOPICS OF ATOMIC AND MOLECULAR PHYSICS WITH FEMTOSECOND

X-RAY FREE-ELECTRON LASER SOURCES

Nina Rohringer, Center for Free-Electron

vou should do it in cash then.

can ask further questions.

REGISTRATION

Laser Science, Hamburg INF 227 SR 3.403/404

All participants are requested to register at the conference

Institut«, INF 226. If you have not paid the conference fee,

At this office, you can obtain further information about the

event. There will also be a short welcome address by the

organisers on Tuesday during the lunch break, where you

This office will be positioned in the foyer of the »Physikalisches

office on Tuesday morning between 8:30 and 9:30.

**AFTERNOON COURSES** (14:00 –17:00)

LIGHT ON THE DARK UNIVERSE: COSMOLOGY AND THE COSMIC MICROWAVE BACKGROUND

Valeria Pettorino, Heidelberg University

SEMICONDUCTOR DEVICES FOR

THE DETECTION OF IONISING RADIATION

Jörn Grosse-Knetter, Göttingen University INF 227 SR 2.402

FUNDAMENTAL PHYSICS AT LOW ENERGIES

**Joerg Jaeckel.** Heidelberg University INF 227 SR 1.403/404

PHYSICS OF NEW MATERIALS: FROM CARBON NANOTUBES TO TOPOLOGICAL INSULATORS

**Andreas Komnik,** Heidelberg University INF 227 SR 3.403/404

USING ACCELERATOR LIBRARIES FOR SCIENCE

**Robert Strzodka**, Heidelberg University INF 227 SR 2.404

ANALYZING PERSONAL POTENTIAL

FOR YOUR CAREER

**Ute Leidig,** Heidelberg University INF 227 SR 2.403

STUDENT REPRESENTATIVES' WELCOME

(TUESDAY, 17:15 -...)

Walter Hahn, Puneet Murthy INF 226 K2/3

HANS JENSEN INVITED LECTURE

(THURSDAY, 17:30-18:30)

COSMOLOGICAL SIMULATIONS OF GALAXY FORMATION AND EVOLUTION

Lars Hernquist, Harvard University

INF 227 HS1

INF 226 K2/3

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

FOYER, INF 226

**LUNCH BREAK** (12:30-13:30)

»CHEZ PIERRE«, INF 304

GENERAL WELCOME PARTY (TUESDAY, 18:30-...)

FOYER. INF 226

D-FINE BARBECUE (THURSDAY, 18:30-...)

FOYER, INF 226

LEGEND

**INF 226 K2/3** »Konferenz 2/3«

room 00.102/103

»Physikalisches Institut«

Ground floor

**INF 227 HS1** »Großer Hörsaal«

Kirchhoff Institute for Physics

Ground floor

INF 227 SR 1.403/404 Seminar room

Kirchhoff Institute for Physics

1st floor

**INF 227 SR 2.402–2.404** Seminar rooms

Kirchhoff Institute for Physics

. . . .

2nd floor

INF 227 SR 3.403/404 Seminar

Seminar room

Kirchhoff Institute for Physics

3rd floor