



International Max Planck Research School for  
Astronomy & Cosmic Physics at the University of Heidelberg

I M P R S



Special thanks to:

Christian Fendt -for the organization-

Joachim Wambsganss -for the kind participation-

“Uncle Max” -for the financial support-



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# BLOCK SEMINAR

2ND GENERATION IMPRS

13TH-15TH JUNE,

ROTHENBURG OB DER TAUBER



## ORGANIZERS

Christian Fendt and Joachim Wambsganss

## PARTICIPANTS

- Bagmeet Behera
- Marcello Cacciato
- Jonathan Downing
- Andreas Ernst
- Cassie Fallscheer
- Thomas Greif
- Rolf Kuiper
- Peter Melchior
- Surhud More
- Giovanna Pedaletti
- Thomas Peters
- Aday Robaina
- Yolanda Sestayo
- Christian Schwab
- Ros Skelton
- Jean-Claude Waizmann

# Program

## Friday, 13th June (Afternoon)

TIMETABLE	SPEAKER	TOPIC
15:00-17:00	JOACHIM WAMBSGANSS	HOW TO BECOME AN ASTRONOMER

17:00-17:20

*Coffee Break*

TIMETABLE	SPEAKER	TOPIC
17:20-17:50	ROS SKELTON	GALAXY EVOLUTION THROUGH MERGERS
18:05-18:35	ADAY ROBAINA	8 GYRS OF GALAXY MERGERS

19:30-..... *Social Dinner at "Gasthof Roedertor"*

## Saturday, 14th June (Morning)

TIMETABLE	SPEAKER	TOPIC
10:00-10:30	BAGMEET BEHERA	EXTRAGALACTIC BACKGROUND LIGHT VIA GAMMA RAYS
10:45-11:15	GIOVANNA PEDALETTI	TeV EMISSION FROM BLACK HOLES
11:30-12:00	YOLANDA SESTAYO	NEUTRINO DETECTION WITH ICECUBE

## Saturday, 14th June (Afternoon)

12:15-14:00

*Lunch Break*

TIMETABLE	SPEAKER	TOPIC
14:00-14:30	THOMAS GREIF	FIRST STARS AND GALAXIES
14:45-15:15	THOMAS PETERS	RADIATION HYDRODYNAMICS OF STAR FORMATION
15:30-16:00	CASSIE FALLSCHEER	MASSIVE STAR FORMATION (OBSERVATIONS)

16:30-17:00

*Coffee Break*

TIMETABLE	SPEAKER	TOPIC
17:20-17:50	MARCELLO CACCIATO	GALAXY-GALAXY LENSING
18:05-18:35	SURHUD MORE	KINEMATICS OF SATELLITE GALAXIES
18:05-18:35	CHRISTIAN SCHWAB	VERY PRECISE RADIAL VELOCITY AND LBT LASER GUIDE STAR CALIBRATION

## Sunday, 15th June (Morning)

TIMETABLE	SPEAKER	TOPIC
9:15-9:45	ROLF KUIPER	HYDRODYNAMICS IN MASSIVE STAR FORMATION
10:00-10:30	JONATHAN DOWNING	GRAVITATIONAL RADIATION FROM STELLAR SYSTEMS
10:45-11:15	JEAN-CLAUDE WAIZMANN	EARLY DARK ENERGY & THERMAL S-Z EFFECT
11:30-12:00	PETER MELCHIOR	GRAVITATIONAL SHEAR AND FLEXION

12:15-14:30

*Lunch Break*

*Departure in the afternoon/evening*