



HASCO School 2013 - welcome

Arnulf Quadt Georg-August-Universität Göttingen

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Hadron Collider School - HASCO

partners

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+ Japan & Canada



Physics in Göttingen



Georg Christoph Lichtenberg

Carl Friedrich Gauß

Max Born

Werner Heisenberg

Peter Debye

James Franck

Maria Göppert-Mayer

cmpb DFG Forschungszentrum Molekularphysiologie des Gehirns
DFG Research Center Molecular Physiology of the Brain

SFB705
Nanoscale Photonic Imaging



- 10 million Euro/year (University)
- 7 million Euro/year (external)
- 26 professor positions
- 150 scientists (20% international)
- 100 technical and admin. staff

STUDENTS

- 1000 students (undergr. & grad.)
- 150-200 beginners per year
- 20% female students
- 5% international students (up to MSc)
- 25% international PhD students





Schedule

ERASMUS-IP Hadron Collider Physics School (HASCO) 2013

Su, 18.07.
arrival in Göttingen train station & youth hostel
registration
dinner

18:00
18:30
19:00
19:30
20:00
20:30
21:00

Mo, 16.07.	Tu, 17.07.	We, 18.07.	Th, 19.07.	Fr, 20.07.	Sa, 21.07.	Su, 22.07.
breakfast	breakfast	breakfast	breakfast	breakfast	breakfast	breakfast
intro & welcome hadron collider physics and Kinematics (1)	QCD and jets (theory, 2)	ROOT Lecture (2)	Statistics Lecture (2)	QCD and jets (experiment, 1)		
seminar preparation in groups	seminar preparation in groups		seminar preparation in groups	seminar preparation in groups	sozialton "Diege des Wissens" Pausenkirche	
lunch	lunch		lunch	lunch	free time in Göttingen	Excursion to Wernigerode (Harz) visit to the city and steam train ride to Brocken mountain
hadron collider physics and Kinematics (2)	ROOT Lecture (1)	trip to Wolfsburg and visit of phaeno physics exhibition	ROOT & stats. Tutorial (1) @ Uni	QCD and jets (experiment, 2)		
break	break		break	break		
QCD and jets (theory, 1)	Statistics Lecture (1)		ROOT & stats. Tutorial (2) @ Uni	student presentations		
dinner	external dinner in restaurant Fellini	dinner	dinner	dinner	optional dinner in Göttingen city no dinner foreseen in Youth Hostel	external dinner in Wernigerode

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Mo, 23.07.	Tu, 24.07.	We, 25.07.	Th, 26.07.	Fr, 27.07.
breakfast	breakfast	breakfast	breakfast	breakfast
electroweak physics (1)	electroweak physics (2)	top quark Physics (1)	SUSY and Exotics (2)	student presentations
seminar preparation in groups	detector physics	top quark Physics (2)	student presentations	student presentations
lunch	lunch	lunch	lunch	lunch
LHC Accelerator	Higgs physics	SUSY and Exotics (1)	written examination	school summary & certificates
break	break	break	break	break
student presentations	student presentations	student presentations & evaluation	student presentations	departure
dinner	dinner	dinner	external dinner at Burg Plesee	



- Lectures & tutorials
- Student seminar talks (upload pdf files in advance)
- written examination next Thursday → 6 ECTS
- external dinners
- Dinner at Fellini on Tuesday
- Excursion to PHAENO exhibitions in Wolfsburg on Wednesday
- Possibly sky rope park on Saturday
- Excursion to Harz mountains & steam train on Sunday
- Evaluation of school





More infos



- Coffee breaks
- Lunch (mensa & CaPhy)
- Film team and fotos
- WLAN
- Student-ID & GöVB
- Reimbursement
- Secretariat (D.01.117,
Bernadette Tyson and
Gabriela Herbold or Lucie Hamdi)
- The Team:
 - Kevin Kröninger
 - Katharina Bierwagen
 - Jordi Nadal
 - Eric Drechsler
 - Cora Fischer
 - Philipp Stolte
 - Haykuhi Musheghyan