



Welcome to HASCO 2024

July 28th – August 5th 2024

Organisational Committee

Matthias Drescher, Steffen Korn, Arnulf Quadt, Baptiste Ravina

Welcome to Göttingen!

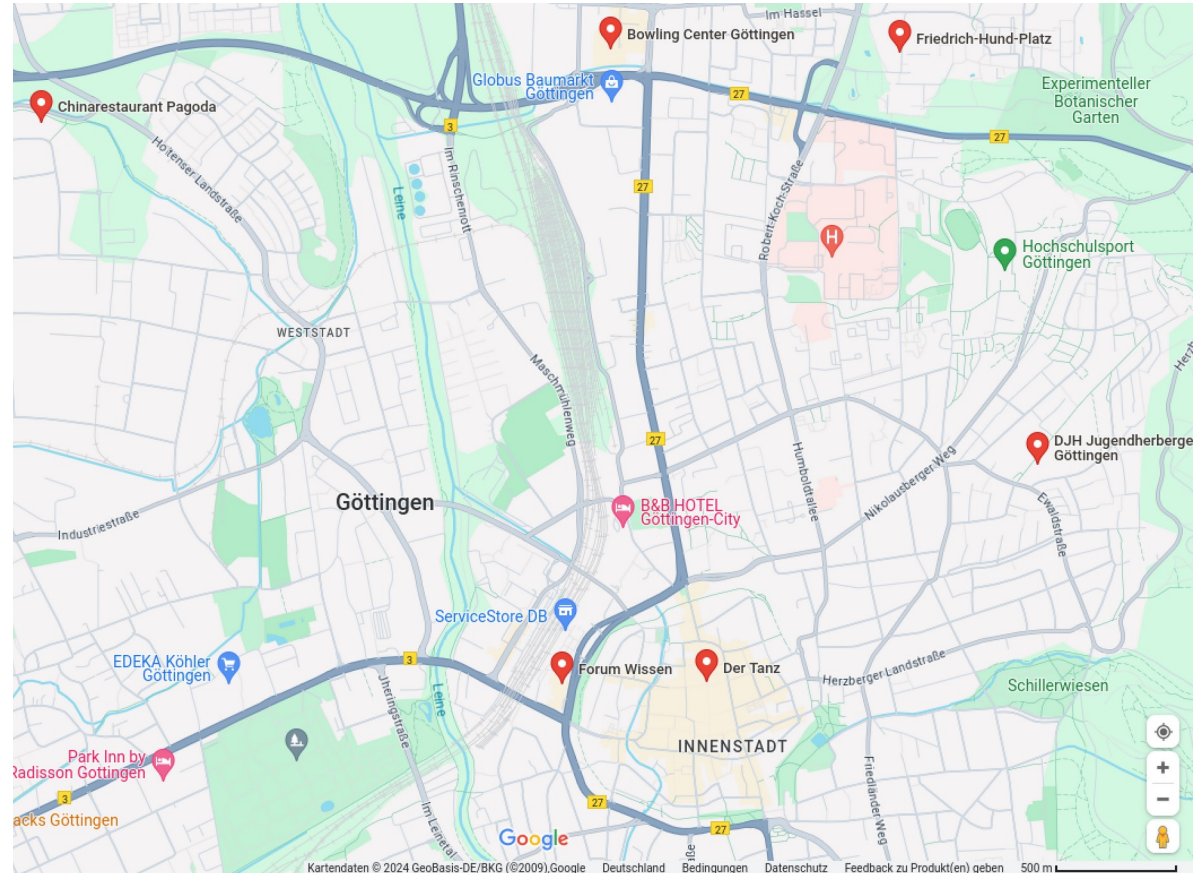


46 Nobel Prize laureates have studied, taught or made contributions here. The city of science!

Welcome to Göttingen!

Important locations:

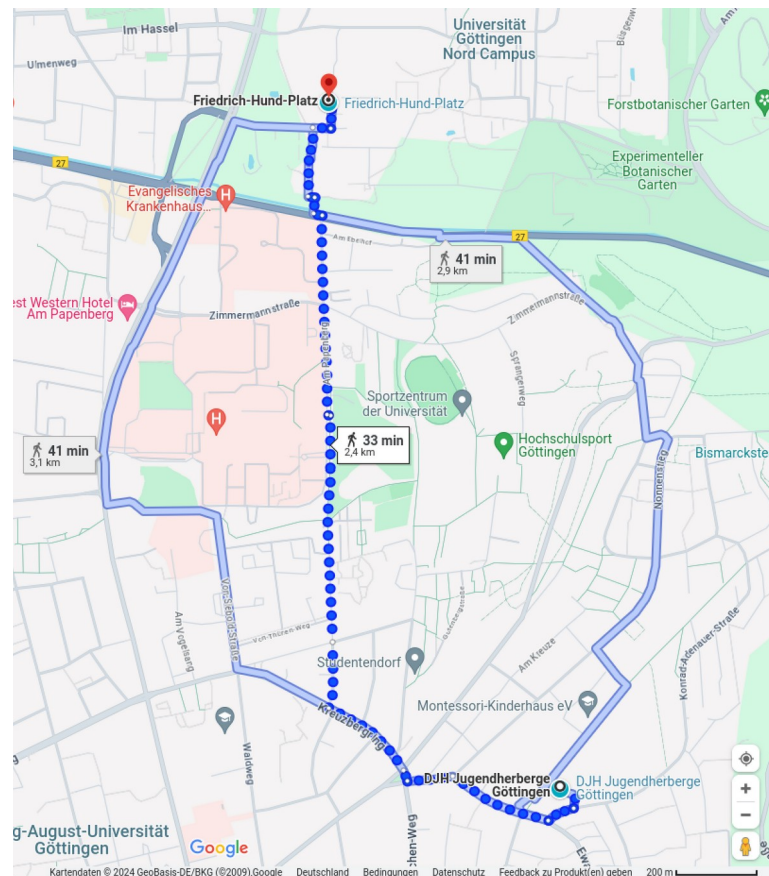
- **Youth Hostel:** DJH Jugendherberge, Habichtsweg 2, 37075 Göttingen
 - Breakfast/Dinner/Overnight stay
 - Barbecue
 - Start of trip to the Harz
- **Physics Department:** Friedrich-Hund-Platz 1, 37077 Göttingen
 - Lectures/Lunch
- **Forum Wissen:** Berliner Str. 28, 37073 Göttingen
- **School Dinner:** Pagoda Restaurant, Rudolf-Wissell-Straße 24, 37079 Göttingen
- **Bowling:** Werner-von-Siemens-Straße 10, 37077 Göttingen
- **Der Tanz:** Start of treasure hunt, Prinzenstraße, 37073 Göttingen



Welcome to Göttingen!

- You have already collected individual keys for your rooms
- Collect the bedding from the ground floor and **make your bed**
- **Breakfast** at the youth hostel starts every day at **07:30**
- Volunteers will guide you to the Physics department each morning, must **leave by 08:15**
- Dinner is from **18:00 - 19:00** at the youth hostel on 28.07, 29.07, 30.07, 31.07, 01.08
- Be respectful to the YH and its employees
 - Be quiet when returning!
 - Don't drink or smoke in rooms!
 - Dedicated instructions by the youth hostel can be found in every room
- YH has free wifi
- Main door closes at midnight

Route to Physics Department



9:00 AM Welcome	9:00 AM Quantum Chromodynamics - Part 1 - Enrico Bothmann	9:00 AM Advanced Statistics - Machine Learning - Federico Meloni (Deutsches Elektronen-Synchrotron (DE))	9:00 AM ROOT Lecture - Antonio Sidoti (Universita e INFN, Bologna (IT))
Morning sessions			
9:30 AM Introduction into Hadron Collider Physics - Caterina Doglioni (Lund University (SE))	11:15 AM Supersymmetry & Physics Beyond the Standard Model - Part 1 - Monica Verducci (Universita & INFN Pisa (IT))	11:15 AM Physics of the Higgs Boson - Paolo Francavilla (Universita & INFN Pisa (IT))	11:15 AM ROOT Tutorial - Antonio Sidoti (Universita e INFN, Bologna (IT))
Lunch			
2:00 PM Standard Model and Electroweak Physics - Ulla Blumenschein (University of London (GB))	2:00 PM Introduction to Statistics - Federico Meloni (Deutsches Elektronen-Synchrotron (DE))	2:00 PM Quantum Chromodynamics - Part 2 - Enrico Bothmann	2:00 PM Heavy Flavour Physics - Johannes Albrecht (Technische Universitaet Dortmund (DE))
Afternoon sessions			
4:15 PM Detector Physics - Joern Grosse-Knetter (Georg August Universitaet Goettingen (DE)) Marcello Bindi (Georg August Universitaet Goettingen (DE))	4:15 PM Top Quark Physics - Andrea Helen Krue (Albert-Ludwigs-Universitaet Freiburg (DE))	4:15 PM Supersymmetry & Physics Beyond the Standard Model - Part 2 - Monica Verducci (Universita & INFN Pisa (IT))	4:15 PM Accelerator Physics and the LHC - Ewen Hamish Maclean (CERN)
Dinner			
7:00 PM Social Event: Barbecue	8:00 PM Social Event: Historical Walking Tour	7:30 PM Social Event: Historical Walking Tour	7:00 PM Online Room Available for Social Studying
Evening program			

You can find all details on the Indigo agenda:

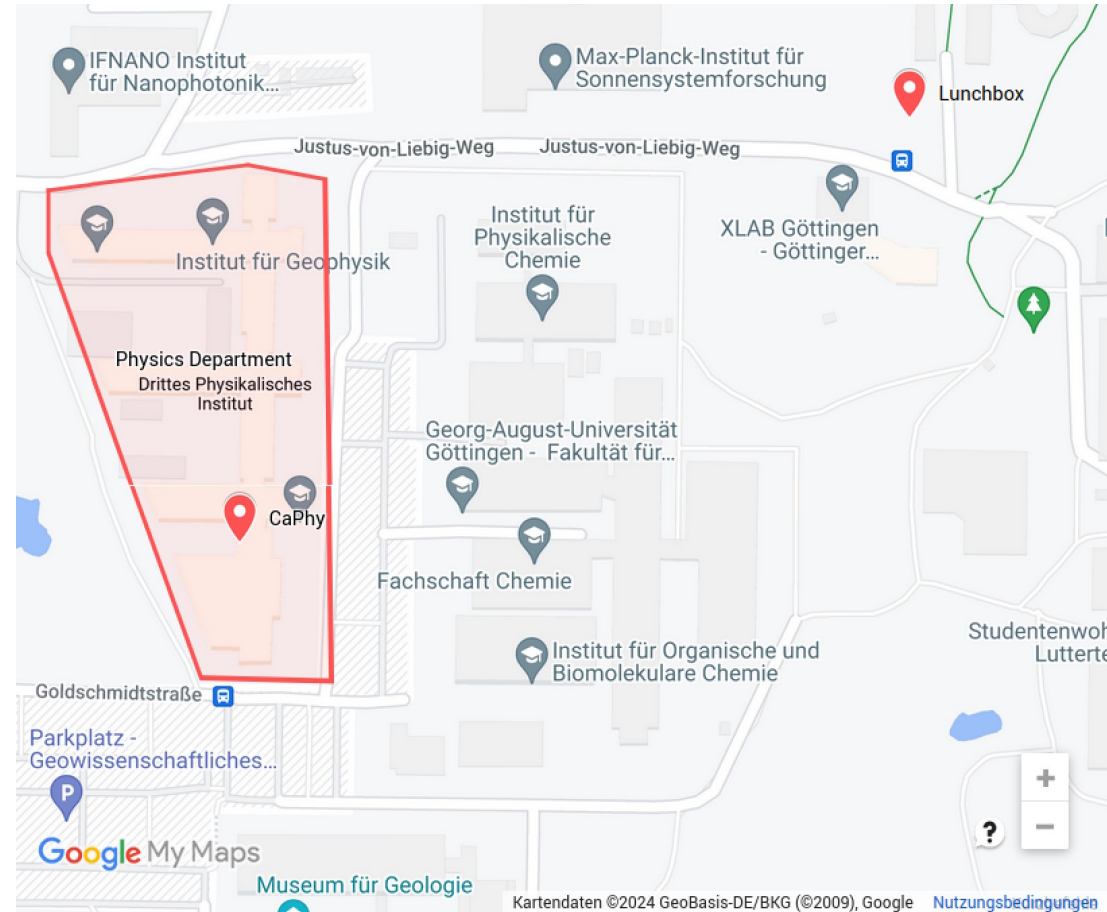
<https://indico.cern.ch/event/1370092/>

In the timetable you find information on:

- What is coming up next?
- Where is it happening?
- Details on the item itself

There will be short coffee breaks in between lectures

- **Lunch:**
 - At the Lunch Box on the North Campus
→ [Daily menu](#)
 - Carry your student ID to get student discount
 - Cost per meal:
3-4€ with student ID, 5-7€ otherwise
 - Volunteers will guide you there
- **Coffee/tea/snacks:**
 - Can be purchased at the cafeteria (CaPhy)
- **Payment:**
 - You must pay with debit card/no cash
- **Remember:**
 - Tap water is drinkable in Germany



- **Monday:**
 - Group picture during coffee break
 - **BBQ at YH, 19:00**
 - Food provided
 - Minor charge (2 Euros) for drinks
- **Tuesday:**
 - **Bowling at 20:00**
 - Costs 4.5€ with your student ID, otherwise 5.6€ (incl. shoes)
- **Wednesday:**
 - Historical walking tour
 - Meet at **19:30** at YH after dinner
- **Thursday:**
 - Free time/learn for exam
- **Friday:**
 - **Visit to Forum Wissen at 16:30 (→ can install App)**
 - **School dinner at Pagoda at 19:30**
 - Food included in school fees
 - Please pay for your drinks



- **Saturday:**
 - **Treasure hunt through the city**
 - Meet at 10:00 at YH/10:30 at “Der Tanz”
 - Solve riddles and identify interesting spots in the inner city
 - **No lunch/dinner from the Youth Hostel**
- **Sunday:**
 - **Bus trip to mount Brocken and hiking**
 - Meet at **8:45** outside YH (bus leaves at 9:00)
 - **Everyone** should come, **please be there on time**
 - Bring hiking boots, enough water, sun protection and some snacks
 - Collect lunch bags from the youth hostel
- **Photo competition:**
 - Upload best pictures to [this link]
 - At the end of the school, we will vote for the best photo
 - Win a small price
- **HASCO movie:**
 - We will record a movie about the school uploaded on YouTube
 - All are asked to agree to the recording



Taking the bus in Göttingen

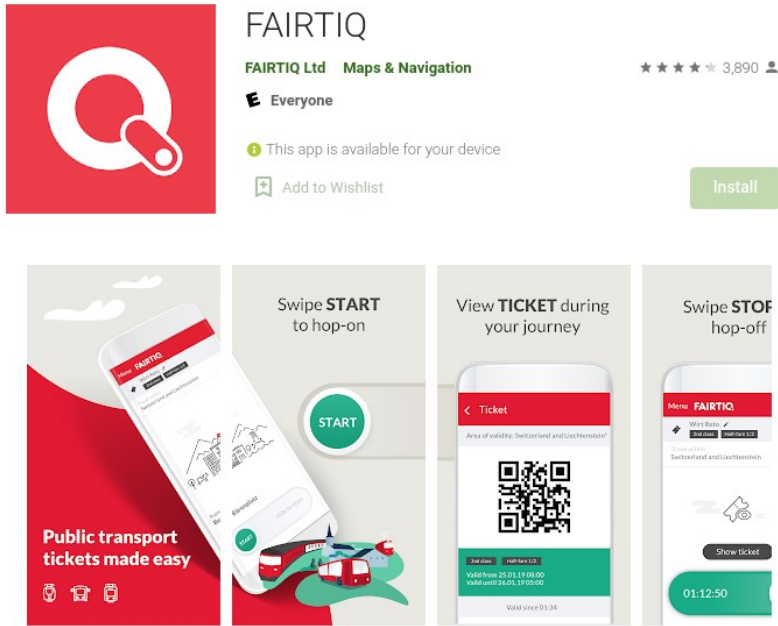
To travel via bus the **FAIRTIQ** app is the **best option**

- 50 students buying tickets on the bus would be too much
- You can do it directly on the app
- Tickets are also cheapest on the app
- **Get it now!**

Android



Apple



FAIRTIQ
FAIRTIQ Ltd Maps & Navigation ★★★★★ 3,890
Everyone
This app is available for your device
Add to Wishlist [Install](#)

Public transport tickets made easy

Swipe **START** to hop-on

View **TICKET** during your journey

Swipe **STOP** hop-off

With FAIRTIQ you don't have to buy a ticket in advance, indicate your destination or struggle to find the right zone. You will always be charged the best available price, once you have completed your journey. It doesn't matter how often you switch directions, or even if you change between trains, buses and trams. With FAIRTIQ there are no hassles, no complications, just smooth and easy travel at fair prices!

How it works

Some of the bars and restaurants in the inner city:

- Zum Szültenbürger
- Große Liebe
- Z.a.K
- Villa Cuba
- Myer's
- Kartoffelhaus
- Nudelhaus
- Vietal Village
- Fellini
- Burgeria
- Tante Giulia
- Efes
- Dukes
- Nautibar
- Thanners
- Dots
- Cron & Lanz
- And many more...



- Hostel checkout is at **7:00 on Monday (05.08.)**
- There will be people to make sure you are up and out in time
- **Hand over the keys to us, NOT to the youth hostel!**
- **Please clean your room**
- Do not forget any luggage
- Your luggage will be transported for you to the Physics department by volunteers with a van
- While you are in the closing ceremony, your luggage will be locked in at the physics department



Contacts in case of emergency

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Emergency Police	110
Emergency doctor / fire service	112
Taxi services	+49 (0) 551 65 000 +49 (0) 551 69 300 +49 (0) 551 48 48 48 +49 (0) 551 34 034
Jugendherberge Göttingen Habichtsweg 2, 37075 Göttingen goettingen@jugendherberge.de	+49 (0) 551 57622

In summary

- Feel free to ask us questions whenever you have some
- All of this information is available on [Indico](#), including these slides
- Get to know your fellow students, the physics is important, **the social program is JUST as important!**
- Also, if you have not already signed up:

WhatsApp group



Facebook group



Enjoy HASCO and Göttingen!

