

DESY Summer Student Program 2015.



Welcome!

- > Your supervisor and research group
 - In case of questions: first ask supervisor, then anybody from the following list
- > Organization
 - Katrin Varschen (secretary)
 - Ulrike Behrens, Martina Mende (public relations)
 - Silvia Rückert (accommodation)
 - Gernot Maier (coordination)
- > You (students)
 - **>100** candidates, **17** accepted
 - Statistics:
3 Italy **1** Spain, **1** Poland, **1** China, **2** Thailand, **4** Greece, **1** Ireland,
1 Denmark, **1** Kazakhstan, **2** Germany



Introduce yourself: name, country, university, background

		Gruppe	Büro
Koßagk	Sophie	ATLAS	3L33
Kourlitis	Evangelos	ATLAS	3L31
Nielsen	Sissel	ATLAS	3L31
Hormigos Felio	Clara	CTA	2L18
Kieokaew	Rungployphan	CTA	2L21
Tuci	Giulia	CTA	2L41
Wang	Huan	DLAB	1H105
Batziou	Eirini	IceCube	2L15
Block	Fabian	IceCube	2L14
Sukee	Anupong	IceCube	2L26
Settanta	Giulio	MAGIC	2L45
Di Bella	Marco	NIC	3L04
Zervou	Alkistis	NIC	3L04
Seitova	Diana	PITZ	1L46
Vitoratou	Niki	PITZ	1L47
Joyce	Amy	THAT	2R01
Richter	Monika	THEO	3L16



Overview over the next weeks - dates

> Project work in research groups

- Guided by advisors in the research groups

> Lectures

- (see next page)

> Excursion to DESY in Hamburg

- General introduction, PETRA II, FLASH, XFEL Hamburg at night
- When: August, 13-14, guided by Gernot Maier

> Project Presentations

- August, 7th: present research topic in 5 minutes
- September, 9th-10th: talk of 10 minutes, <10 slides

> Project Reports

- Summarise your work in less than 10 pages
- Deadline: September, 7th



News and updates

<http://summerstudents.desy.de/>

WWW-page

<https://indico.desy.de//event/SommerstudentZeuthen2015>



Lectures

- In seminar room 1
- The schedule can change – see the information on the summer students web page
- Lectures always start at 09:30 and last 60 min

21.7.	Introduction	G.Maier
21.7.	15:30 - Warm-up Party	
22.7.	DESY in Zeuthen	C.Stegmann
23.7.	Computing & Safety	S.Wiesand
24.7.	Computing	S.Wiesand
30.7.	Accelerator Physics	P.Castro
31.7.	Accelerator Physics II	P.Castro
3.8.	Introduction to the Standard Model I	K.Lohwasser
4.8.	Introduction to the Standard Model II	K.Lohwasser
5.8.	Photoinjector PITZ, I	H.Huck
6.8.	Photoinjector PITZ, II	H.Huck
7.8.	Students intermediate reports	
9.8	Berlin trip	
10.8.	Astroparticle Physics I	G.Maier
11.8.	Astroparticle Physics II	G.Maier
12.8.	LHC I	I.Bloch
13.8.	LHC II	I.Bloch
13.8./14.08.	HH trip	
17.8.	Neutrino Physics I	W.Winter
18.8.	Neutrino Physics II	W.Winter
19.8.	Lattice Gauge Theory	C.Alexandrou
24.8.	Perturbative QCD I	J.Blümlein
25.8.	Perturbative QCD II	J.Blümlein
26.8.	Cosmology I	M.Kowalski
27.8.	Cosmology II	M.Kowalski

**Note unusual time for
tomorrow:
10:30 am**



> Info folder

- Check that you've submitted all forms
- Put missing papers in envelope and return to Katrin Varschen
- Laufzettel, maps

> Payment € 1000

- All EU members: money will be transferred to your bank account
- All non-EU members: money in cash 31.7.2015
- Accommodation automatically subtracted, telephone by invoice

> Office keys – pick them up in 1L01 (Frau Neef)

> Computer account (see flyer)

- See Mr. Partsch in computer centre (somebody from your group will bring you there)
- Sign form
- Laptop registration via webform

<http://register.ifh.de/cgi-bin/register?conf=notebook>



Registration Documents

- You should provide
 - Tickets or copies of tickets (originals if possible)
 - Students certificate (if not sent already)
 - Passport and visa (if necessary)
 - Health insurance: to be done by yourself
 - Liability insurance: copy or to be done via DESY (6,10 € per month, cash only)

- Put it all in the envelope and return it to Katrin



Survival - housing and food

> Your rooms

- Check leaflet in your folder and rules in your rooms
- In case of damage: you are charged!
- Try to leave your room **clean**
- Common mailbox exists in the mail room 2L30
→ declared as **summer students**

> Canteen

- Breakfast from 8:00 - 10:30
- Lunch time from 11:30–13:30 | 3,00–5,50 € per meal
- No dinner in the canteen (also closed on the weekend)
You have to cook yourself (try not to burn down the institute)





- A** Offices ground floor, 1st floor
- E** Purchasing department
- H** Training workshops ground floor, 1st floor
Seminar room VI 1H102 ground floor
Electronic workshops 1st floor
Experimentall hall
Foyer 2nd floor
 - > Seminar rooms I-III
 - > Video conference room SRI
 - > School labs
- I/K** Photo Injector Test Facility
RF lab
- L** Laboratory building
 - > Offices ground floor-2nd floor
 - > Technical infrastructure ground floor
 - > Library, secretaries offices 1st floor
 - > Printing room 2nd floor
 - > Seminar room IV 3rd floor
- M** Technical infrastructure workshop
- P** Administrative building
 - > Guard
 - > Public communication ground floor
 - > Administration (personnel, finance, housing) 1st floor
 - > Cafeteria
 - > Guest rooms 2nd floor
- R** Computer centre
 - > Video conference room 2R09
- S** Mechanical workshop
- V** Villa
 - > Conference centre ground floor
 - > Guest rooms 1st floor
- W** Astroparticle labs
- U** Guest rooms ground floor, 1st floor
- Z** Mechanical workshop

Restaurant
 Computing
 Library
 Vending machine
 Washing machine



GERMAN LESSONS.

For summer students
with little or no experience



Starting from 23 July 2015 always 17:00–19:15

- > 04 August
- > 06 August
- > 11 August
- > 20 August
- > 25 August
- > 03 September
- > 08 September

It takes place in seminar room 1H102.



Zeuthen attractions I



- Restaurants: Greek, Italian, Chinese, Argentinian, Ice cafe.
Check: www.zeuthen.de
- Shops: Bioshop, bakery
- Sports: swimming, running, rent a boat and rent a bike

Zeuthen attractions II



<http://www.s-bahn-berlin.de>

Berlin excursion

- boat trip
- 9 August 2015, starting at 14:00 from *Nikolaiviertel / Berlin centre*
- End 17:15 → early dinner at ... restaurant



© Stern und Kreisschiffahrt Berlin

Music



Enjoy!



> Don't forget for today

- now: your supervisor will pick you up
- **15:30 safety instructions**
(you need to be there, obligatory! Here in Seminar room 1)
- 16:00 welcome party at the DESY canteen / lake