

Task Area 2

Mini Workshop, 8th/9th April 2024

Welcome & Logistics

Particles, Universe, NuClei and Hadrons for the NFDI

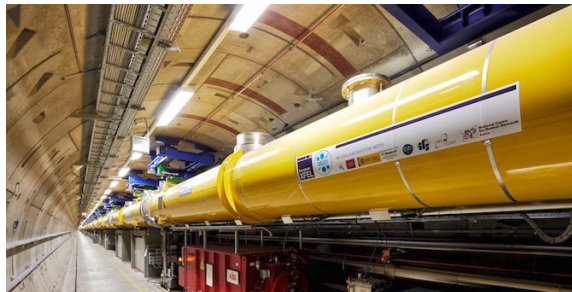
Christoph Wissing (DESY)



One Slide about the Laboratory

Two Sites: Main Campus in Hamburg, 2nd Campus in Zeuthen (close to Berlin)

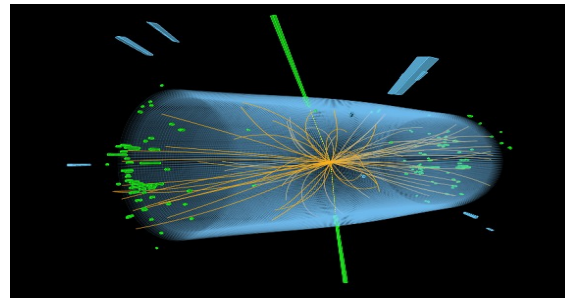
Accelerators



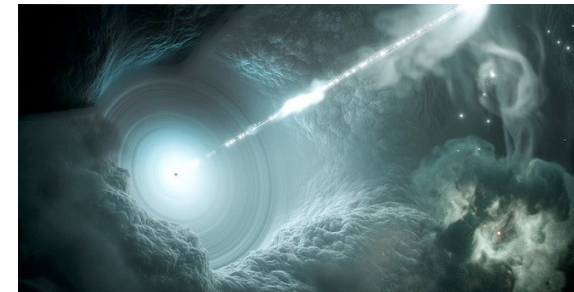
Photon Science



Particle Physics



Astro-Particle Physics



Operations of light sources

- PETRA3 (Synchrotron)
- FLASH (small XFEL)
- EU-XFEL (hugh XFEL)

Research

- Next generation light sources (PETRA4)
- Plasma wakefield acceleration

Beamlines at local sources

X-ray imaging for a spectrum of disciplines

- Material science
- Biology
- Medicine
- ...

Instrumentation

- X-ray cameras
- Detectors

Participation

- CERN: ATLAS & CMS
- KEK: Belle2
- Planning for future colliders

Detector research

Local dark matter & AXION experiments

- ALPS2, (Baby-)IAXO, MADMAX

Theory

Neutrino Astronomy

- IceCube

Gamma Astronomy

- H.E.S.S, MAGIC, Veritas, Fermi, CTA

Multi-Messenger Astronomy

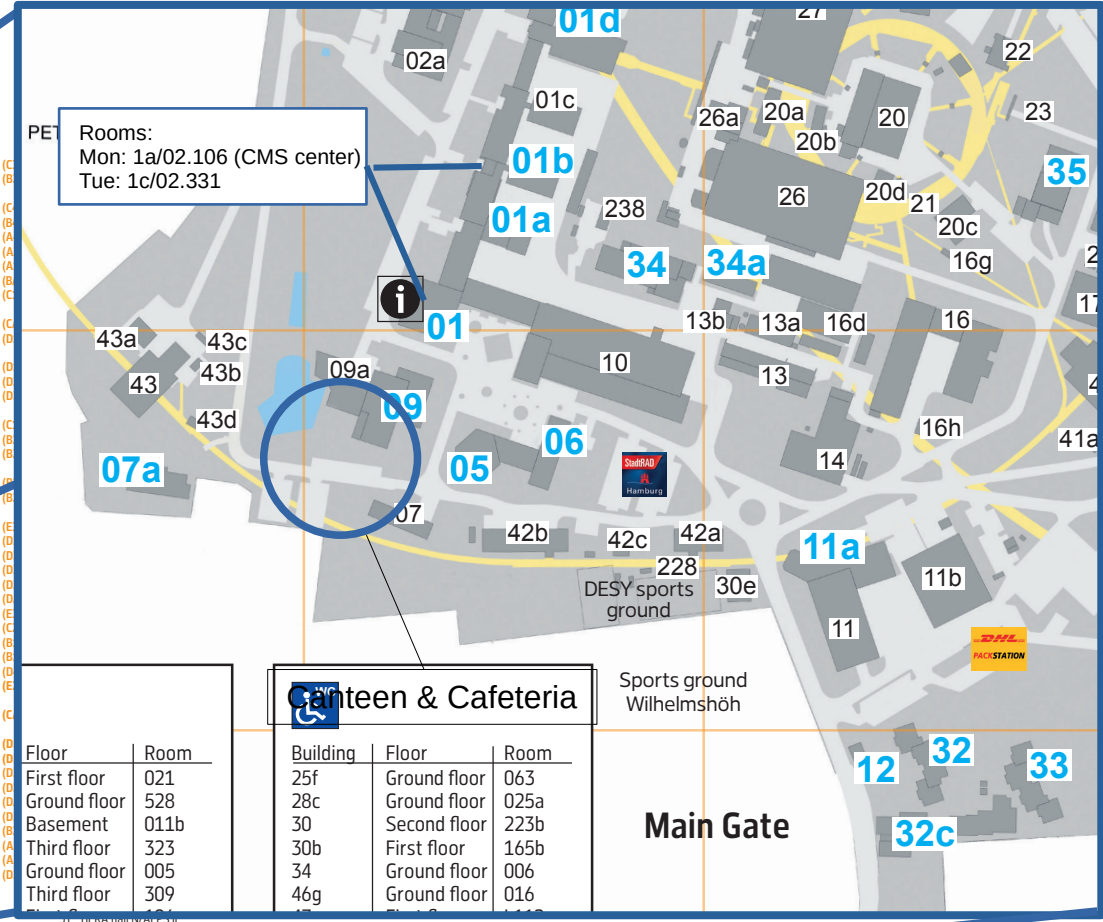
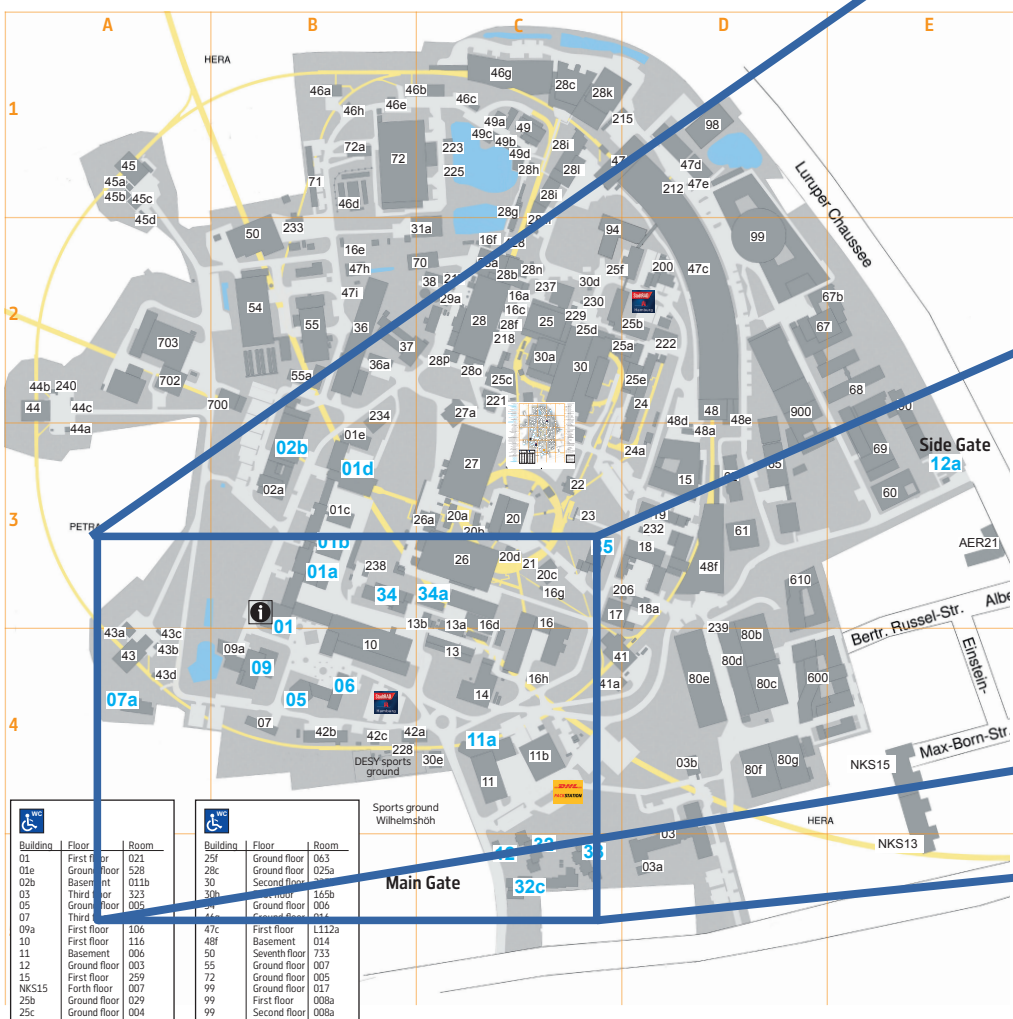
Instrumentation

Gravitational Waves

Theory

Campus

- Laboratory building 1 01-01e (B3)
- Directorate 01 (B3)
- Press & Communications (Information) 01 (B3)
- Company medical officer, 01a (B3)
- Social counselling 01b (B3)
- Seminar rooms 3-5 01d (B3)
- Library 01d (B3)
- Laboratory building 2a, Theory 02a (B3)
- Computer centre, UCO 02b (B3)
- Radiation Protection Department 03 (B4)
- Storage building 03b (B4)
- Auditorium (DESY), entrance bldg. 6 05 (B4)
- Administration building 06 (B4)
- Post, Guest services 06 (B4)
- Administration building 07 (B4)
- Guest house 8 07a (B4)
- Canteen, cafeteria, Cash machine 09,09a (B4)
- Workshop 10 (B4)
- Purchasing department 11 (C4)
- Central warehouse 11a (C4)
- Works council 11a (C4)
- Gate lodge Notkestraße (main gate) 12 (C5)
- Gate lodge Luruper Chaussee (side gate) 12a (C5)
- Gas service 13a+b (C3)
- Vacuum laboratory 14 (C4)
- CSB 15 (C3)
- MKK / Power station 16 (C3)
- Heating plant 17 (C3)
- Site service yard 18,18a (C3)
- Carpenters building 19 (C3)
- Synchrotron building 20 (C3)
- Power-House DESY 20c (C3)
- LUX 22 (C3)
- Laboratory of the Universities of Hamburg and Lübeck 22a (C3)
- REGAE 23 (C3)
- LINAC II 24 (C2)
- PIA tunnel 24a (C2)
- FS experimental hall 25 (C2)
- Office and laboratory building EMBL 25a (C2)
- FS office and laboratory building 1 25b (C2)
- Detector Assembly Facility (DAF) 25c (C2)
- FS office and laboratory building 4 25d (C2)
- FS office and laboratory building 5+2 25e (C2)
- Detector Assembly Facility (DAF) / 26 (C2)
- Experimental hall I 27 (C3)
- DESY testbeam / Experimental hall II 27 (C3)
- Testing area 27a (C2)
- Experimental hall III 28,28a (C2)
- FLASH tunnel 428 (C1,2)
- FLASH experimental hall 28c (C1)
- "Albert Einstein" 28k (C1)
- FLASH experimental hall "Kai Siegbahn" 28k (C1)
- FLASH2 undulator building 28i (C1)
- FLASH laser hut 28g (C1)
- Water treatment plant 29a (C2)
- Accelerator control room (BKR) / 30 (C2)
- SINBAD 30a (C2)
- Supplying hall 30a (C2)
- Accelerator operation building 30b (C3)
- ARGUS detector 30e (C4)
- Accelerator components building 31a (C4)
- Guest house 2 32 (C5)
- Kindergarten 32c (C5)
- Guest house 3 33 (C5)
- Training area 34 (B3)
- School lab physik.begreifen 34a (C3)
- Safety group / SAVE 35 (C3)



Rooms:
Mon: 1a/02.106 (CMS center)
Tue: 1c/02.331

Canteen & Cafeteria

Floor	Room
First floor	021
Ground floor	528
Basement	011b
Third floor	323
Ground floor	005
Third floor	309

Building	Floor	Room
25f	Ground floor	063
28c	Ground floor	025a
30	Second floor	223b
30b	First floor	165b
34	Ground floor	006
46g	Ground floor	016

- (E3) HERA hall O
- (E3) HERA hall S
- (E5) AER21 Project management DESY PTDE
- (E4) NKS13 EU project office, administrative
- (E4) NKS15 Finance department V3

Parking on the DESY premises is at your own risk. All city traffic regulations are valid and a speed limit of 30 km/h is allowed. Upon leaving the DESY premises random spot checks will be made at both gates. Please halt at the red traffic signal or the horn signal for inspection.

October 2021

Dinner

Restaurant Hala

- Table booked for **19:00**
- Address:
Beselerplatz 11
Hamburg Othmarschen
 - From DESY (Gross Flottbeker Str.)
Bus 1 or 186 to S Othmarschen
(direction Othmarchen/Altona)
 - Walk about 25min
- Note: presently **no card payment**
 - A number of ATMs close by
in the Waitzstrasse

