

## 2) Master Physics courses

### 020105 General Theory of Relativity

3 V Tue 08:00 - 10:00 HG II HS 4 Hiller, G.  
 Thu 14:00 - 16:00 CT ZE HS ZE 15

### 020106 Exercise on General Relativity

Ü Fri 08:00 - 10:00 SRG 1 2,010 Hiller, G.  
 Fri 12:00 - 14:00 HG II HS 8  
 Fri 14:00 - 16:00 SRG 1 2,009

### 020111 Statistical Methods of Data Analysis A

2 V Wed 10:00 - 12:00 HG II HS 2 April 9, 2025 Linhoff, M.;Rhode, W.

### 020112 Exercises on Statistical Methods of Data Analysis 2 Ü

Rhode, W.

### 020201 Many-body solid-state theory (solid-state theory II)

4 VÜ Di 12:00 - 14:00 P P1-02-110 Anders, F.;Fauseweh, B.  
 Fr 10:00 - 12:00 P P1-02-110

Module code: PHY831

### 020107 Astroparticle Physics

3 V Mon 14:15 - 15:45 CT ZE HS ZE 01 04/21/2025-07/14/2025 Rhode, W.;Elsässer, D.  
 Tue 12:00 - 12:45 HG II HS 2 04/15/2025

### 020108 Exercises in Astroparticle Physics 2 Ü

Fr 12:00 - 14:00 SRG 1 2.009 Elsässer, D.;Rhode, W.  
 Fr 12:00 - 14:00 SRG 1 3.008

### 020109 Higher Quantum Mechanics

2 V Thu08:00 - 10:00 HG II HS 4 Anders, F.

### 020110 Exercises in Higher Quantum Mechanics

2 WÜ Fri 08:00 - 10:00 P P1-02-323 Anders, F.  
 Fri 10:00 - 12:00 P P1-02-323  
 Fri 10:00 - 12:00 HG II HS 8

### 020111 Electronics

3 V Tue 13:00 - 14:00 HG II HS 2 Westphal, C.  
 Thu 10:15 - 12:00 HG II HS 2

### 020112 Exercises in Electronics

2 WÜ Wed 08:00 - 10:00 P P1-02-110 Westphal, C.  
 Wed 10:00 - 12:00 SRG 1 2,009 P  
 Wed 12:00 - 14:00 P1-02-110 SRG  
 Wed 14:00 - 16:00 1 3,008

### 020113 Computational Physics

4 V Tue 10:00 - 12:00 HG II HS 2 Bünemann, J.  
 Fri 12:00 - 14:00 HG II HS 2

### 020114 Exercises in Computational Physics

2 nights	Di 12:00 - 14:00	P P1-02-323		Bünemann, J.
	Wed 08:00 - 10:00	P P1-02-323		
	Wed 12:00 - 14:00	P P1-02-323		
<b>020218 Seminar: Modern Quantum Computing and Quantum Simulation</b>				
2 S	Mo12:00 - 14:00	P P1-02-323		Fauseweh, B.
<b>020520 Advanced Solid State Physics I: Semiconductors and Light-Matter Interaction</b>				
4 V	Wed 10:00 - 12:00	P P2-E0-414		Greilich, A.; Reiter, D.
	do 12:00 - 14:00	P P2-E0-414		
<b>020117 detectors</b>				
2 V	Tue 14:00 - 16:00	C HS 1		Albrecht, J.;Weingarten, J.;Wiedner, D.
<b>020741 Quantum Technologies with Atoms and Photons</b>				
2 S	Tue 14:00 - 16:00	P P1-02-110		Narevicius, E.;Weitenberg, C.
<b>020319 Scientific Theory</b>				
2 S	Thu12:00 - 14:00	SRG 1 3,008		Rhode, W.
<b>020731 Applied Laser Spectroscopy</b>				
2 V	Fri 08:15 - 09:45			Franzke, J.
<b>020305 Medical Physics I</b>				
3 V	Mo14:00 - 17:00	HG II HS 2		Bialek, A.;Schneider, M.
<b>020306 Exercises in Medical Physics I</b>				
2 PÜ	Di 16:00 - 18:00	P P1-01-306		Bialek, A.;Schneider, M.
	Wed 12:00 - 14:00	P P1-01-306		
	Wed 14:00 - 16:00	HG II HS 8		
<b>020203aAccelerator Physics II</b>				
2 V	Thu 14:00 - 15:30	DELTA DELTA seminar room	10.04.2025-17.07.2025	Amstutz, P.;Helml, W.;Mai, C.;Schmidt, G.
<b>020203bExercise on Accelerator Physics II</b>				
1 night	Thu15:30 - 16:15	DELTA DELTA seminar room		Amstutz, P.;Helml, W.;Mai, C.;Schmidt, G.
<b>020203cSeminar on Accelerator Physics II</b>				
1 S	Thu 16:15 - 17:00	DELTA DELTA seminar room		Amstutz, P.;Helml, W.;Mai, C.;Schmidt, G.
<b>020128 Ask me anything: Quantum Dots</b>				
2 S	Wed 16:00 - 18:00	P P1-02-110	09.04.2025-16.07.2025	Cygorek, M.; Reiter, D.
<b>020205 Statistical Methods of Data Analysis II (block course *in SS25*)</b>				
2 BK KA	Mo09:00 - 16:00			Albrecht, J.; Schmelling, M.

020605	<b>Light-matter interaction</b>				
4	VÜ				Lange, C.
Module code:	PHY8212				
020606	<b>Seminar Light-Matter Interaction</b>				
2	S				Lange, C.
Module code:	PHY8213				
020205	<b>Flavor Physics in Experiment and Theory - Particle Physics II</b>				
3	V	Fr 10:00 - 12:00			Albrecht, J.;Alexander, L.
		Fr 14:00 - 16:00			
020120	<b>Structural analysis with X-rays (DELTA seminar room)</b>				
3	BK Block	- 09:30 - 11:30	01.09.2025-12.09.2025		Paulus, M.;Sternemann, C.
	block	- 12:30 - 13:30	01.09.2025-12.09.2025		
020230	<b>Specialized internship 'Electronics'</b>				
4	P	Mo10:00 - 18:00			Weingarten, J.
020231	<b>Specialization in Solid State Physics</b>				
4	P				Aßmann, M.;Betz, M.;Cinchetti, M.;Tolan, M.;Westphal, C.
020242	<b>Advanced Laboratory course: Particle physics</b>				
4	P	Mo10:00 - 18:00			Albrecht, J.;Kröniger, K.;Rhode, W.;Wiedner, D.
020233	<b>Focus internship 'Theoretikum'</b>				
4	P nV				Anders, F.;Hiller, G.;Kierfeld, J.;Löw, U.;Päs, H.;Uhrig, G.; Reiter, D.
020141	<b>Current topics and techniques in surface physics (room CP-03-190)</b>				
2	S	Tue 10:00 - 12:00			Westphal, C.
020142	<b>Laser: Basics and Applications</b>				
2	S	Thu08:00 - 10:00 P	P1-02-110		Akimov, I.
020278	<b>Seminar: Terahertz Dynamics of Condensed Matter (in room CP-03-176)</b>				
2	S	Wed 12:00 - 14:00			Lange, C.;Wang, Z.
020249	<b>Machine Learning for Physicists</b>				
2	VÜ	Thurs12:00 - 14:00	10.04.2025-18.07.2025		Burgard, C.;Grunwald, C.
020151	<b>Detector systems in particle and medical physics (room CP-03-144)</b>				
	S	Wed 12:00 - 14:00			Block, A.;Weingarten, J.;Wiedner, D.
020161	<b>Attosecond metrology</b>				
2	S every 14 days	Wed 13:00 - 14:30	DELTA DELTA seminar room	09.04.2025-09.07.2025	Helml, W.

**020417 Literature seminar on quantum technologies (in room CP-01-186)**

2 S Tue 10:00 - 12:00 Aßmann, M.

**020147 Neutrino and gamma astronomy (CP-03-150)**

2 S Fri 14:00 - 16:00 Rhode, W.

**020236 Seminar on Condensed Matter Physics (CMP)**

2 S Thu 12:00 - 14:00 P P1-01-306  
 Akimov, I.; Aßmann, M.; Bayer, M.; Betz, M.; Debus, J.; Yakovlev, D.

**020156 Current Problems in Elementary Particle Theory**

S Wed 16:00 - 18:00 P P1-01-306 Hiller, G.; Päs, H.

**020164 Modern optics (in room CP-01-186)**

2 S Tue 12:00 - 14:00 Aßmann, M.

**020259 Applied Dosimetry**

2 S Wed 14:00 - 16:00 P P1-01-306 Walbersloh, J.; Weingarten, J.

**020407 Practical aspects of particle physics measurements**

4 VÜ Mo 08:00 - 10:00 HG II HS 4  
 Di 10:00 - 12:00 P P1-01-306 Albrecht, J.

**020232 Accelerator physics and synchrotron radiation, applications in solid-state physics**

2 S Helml, W.; Hövel, T.; Knafl, S. Thu 14:00 - 16:00  
 S.; Tolan, M.; Westphal, C.; Wille, K.

**020238 Current topics in particle physics / TUDO seminar on particle physics**

2 S Thurs 16:00 - 17:00 Albrecht, J.; Kröninger, K.

**020248 Cold atoms and molecules**

4 VÜ Tue 08:00 - 12:00 P P1-02-110 Narevicius, E.; Weitenberg, C.

**020246 False Discoveries in Particle Physics**

2 S Thu 14:00 - 16:00 Albrecht, J.; Wegener, D.

**020126 From SM to BSM Physics**

2 V Wed 14:00 - 16:00 P P1-02-110 09.04.2025-28.05.2025 Päs, H.  
 do 10:00 - 12:00 P P1-02-110 10.04.2025-22.05.2025

**020166 Physics beyond the SM**

2 S Wed 14:00 - 16:00 P P1-02-110 04.06.2025-16.07.2025 Päs, H.  
 do 10:00 - 12:00 P P1-02-110 29.05.2025-17.07.2025

**020176 Directions for New Physics**

2 S Thu 16:00 - 18:00 P P1-01-306 Hiller, G.

020841 **Computer Practical: Applied Proton Therapy**  
 4 P Mo 14:00 - 16:00 P P1-02-323  
 Wed 12:00 - 14:00

Lühr, A.

021105 **Radiation Protection Course (25.9.-28.9.)**  
 BK

Block, A.;Ibisi, S.;Loot,  
 K.; Lühr, A.

020505 **Practical aspects of instrumentation: Detectors for Higgs boson physics**  
 2 V Thurs12:00 - 13:30

lecturers of the  
 elementary particle physics; Kröniger,  
 K.;Weingarten, J.

020245 **Theoretical Problems of Condensed Matter**  
 2 S Wed 10:00 - 12:00 P P1-02-323

Anders, F.;Bünemann,  
 J.;Cygorek, M.;Fauseweh,  
 B.;Kierfeld, J.;Reiter,  
 D.;Risselada, H.;Sulaiman,  
 V.;Uhrig, G.

020171 **Career fields in physics: Physicists report from practice**  
 2 S Mo16:00 - 18:00 P P2-E0-414

lecturers of the faculty

020199 **Physics Colloquium**  
 2 K Tue 16:30 - 18:30 HG II HS 2

lecturers of the faculty

210918- **English for Physics B2**  
 S

Ü Di 08:15 - 09:45 MSW 4-8 08.02.12 08.04.2025-15.07.2025  
 do 08:15 - 09:45 SRG 1 1,005 10.04.2025-17.07.2025

Baumann, H.

**Laboratory of condensed matter physics: Terahertz time-domain spectroscopy (THz-TDS)**

4 VÜ Di 14:00 - 16:00 C C1-03-403  
 Wed 14:00 - 16:00

Ghalgaoui, A.

**Ultrafast Spectroscopic Methods in Solid State Physics**

V Fri 08:00 - 10:00

Kovalev, S.