

Certification Examinations

Central Examination
Office

Date: 2024-12-12

Family Name:
Wesenberg

First Name:
Joel

Date of Birth:
November 21, 1999

Place of Birth:
Wipperfürth

Student ID Number:
395606

Study-ID:
1480 88 128 (2013)

Course of Study:
Physics

(Intended) Degree:
**Master of Science RWTH Aachen University
(M. Sc. RWTH)**

Modules/Courses	Grade	An	Rec	CP	Date	Sem
Physics	1.5		N	120.00		
Focus of Studies			N	30.00	2023-08-02	
Quantum Field Theory and Gauge Theories	1.4		N	30.00	2023-08-02	
Quantum Field Theory of Particle Physics I	1.0		N	10.00	2023-03-22	
Quantum Field Theory of Particle Physics I	1.0	BE	N	10.00	2023-03-22	22W
Quantum Field Theory of Particle Physics II	1.0		N	10.00	2023-08-02	
Quantum Field Theory of Particle Physics II	1.0	BE	N	10.00	2023-08-02	23S
Theory of Relativity and Cosmology	2.3		N	10.00	2023-02-17	
Theory of Relativity and Cosmology	2.3	BE	N	10.00	2023-02-17	22W
Elective Courses	1.4		N	30.00	2023-09-05	
Particle Physics I	2.0		N	10.00	2023-02-08	
Particle Physics I	2.0	BE	N	10.00	2023-02-08	22W
Particle Physics II	1.0		N	10.00	2023-07-17	
Particle Physics II	1.0	BE	N	10.00	2023-07-17	23S
Advanced Cosmology	1.3		N	10.00	2023-09-05	
The ingredients of the Universe	1.3	BE	N	10.00	2023-09-05	23S
Research Phase	1.6		N	60.00	2024-10-11	
Master's Seminar	B		N	15.00	2024-03-25	
Master's Seminar	B	BE	N	15.00	2024-03-25	23W
Master's Practical	B		N	15.00	2024-03-25	
Master's Practical	B	BE	N	15.00	2024-03-25	23W
Scientific Integrity	B		N	0.00	2023-10-24	
Scientific Integrity	B		N	0.00	2023-10-24	
Scientific Integrity	B	BE	N	0.00	2023-10-24	23W

Final thesis	Grade	An	Rec	CP	Date	Sem
Master Thesis	1.7		N	25.00	2024-10-07	24W
Topic: Simulating inflation and phase transitions with Cosmo Lattice						
Master's Defence Colloquium						
Master Colloquium	1.3	BE	N	5.00	2024-10-11	24W

Graduation Date: 2024-10-11
Overall Credits: 120.00 / 120.00
Overall Grade: 1.5

The final degree is not completed yet; studies and examinations can be continued. The student has not irrevocably failed to successfully complete the degree programme.

Explanations:

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sufficient, G/GA/GL = deleted grade, E = replaced, NU = not taken, TR = return of thesis topic, NA = not submitted

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(Intended) Degree:
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(B. Sc. RWTH)**

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Physics	1.8		N	180.00		
Compulsory Course	2.0		N	151.00	2021-09-15	
Experimental Physics	2.5		N	38.00	2021-04-07	
Experimental Physics I (Mechanics and Relativity)	3.0		N	7.00	2019-02-05	18W
Experimental Physics I (Mechanics and Relativity)	3.0	BE	N	7.00	2019-02-05	18W
Experimental Physics II (Heat and Electromagnetism)	2.7		N	7.00	2019-08-31	
Experimental Physics II	5.0	NB	N	0.00	2019-07-16	19S
Experimental Physics II	2.7	BE	N	7.00	2019-08-31	19S
Experimental Physics III (Optics and Quantum Physics)	2.0		N	7.00	2020-02-08	
Experimental Physics III (Optics and Quantum Physics)	2.0	BE	N	7.00	2020-02-08	19W
Experimental Physics IV (Atoms, Molecules, Nuclei)	2.0		N	7.00	2020-07-23	
Experimental Physics IV	2.0	BE	N	7.00	2020-07-23	20S
Experimental Physics Va (Solid State Physics)	3.3		N	5.00	2021-02-16	
Experimental Physics Va (Solid State Physics)	3.3	BE	N	5.00	2021-02-16	20W
Experimental Physics Vb (Particle Physics and Astrophysics)	2.3		N	5.00	2021-04-07	
Experimental Physics Vb (Particle Physics and Astrophysics)	2.3	BE	N	5.00	2021-04-07	20W
Theoretical Physics	2.5		N	37.00	2021-02-26	
Introduction into Theoretical Physics	3.0		N	7.00	2019-02-15	18W
Introduction to Theoretical Physics	3.0	BE	N	7.00	2019-02-15	18W
Theoretical Physics I (Classical Mechanics)	3.0		N	5.00	2019-08-08	
Theoretical Physics I: Mechanics	3.0	BE	N	5.00	2019-08-08	19S
Theoretical Physics II (Electrodynamics)	2.0		N	7.00	2020-02-15	
Theoretical Physics II (Electrodynamics)	2.0	BE	N	7.00	2020-02-15	19W
Theoretical Physics III (Quantum Mechanics)	2.7		N	9.00	2020-08-11	
Theoretical Physics III (Quantum Mechanics)	2.7	BE	N	9.00	2020-08-11	20S
Theoretical Physics IV (Statistical Physics)	2.3		N	9.00	2021-02-26	

Modules/Courses	Grade	An	Rec	CP	Date	Sem
Theoretical Physics IV (Statistical Physics)	2.3	BE	N	9.00	2021-02-26	20W
Mathematics	1.4		N	31.00	2020-08-04	
Advanced Mathematics I			N	8.00	2019-02-27	
Higher Mathematics I	2.0		N	8.00	2019-02-27	18W
Higher Mathematics I	2.0	BE	N	8.00	2019-02-27	18W
Advanced Mathematics II			N	8.00	2019-08-03	
Higher Mathematics II	1.3		N	8.00	2019-08-03	
Higher Mathematics II	1.3	BE	N	8.00	2019-08-03	19S
Higher Mathematics III	1.0		N	8.00	2020-02-26	
Higher Mathematics 3	1.0	BE	N	8.00	2020-02-26	19W
Higher Mathematics IV	1.7		N	7.00	2020-08-04	
Higher Mathematics 4	1.7	BE	N	7.00	2020-08-04	20S
Practical Courses	2.0		N	27.00	2021-04-29	
Data Analysis	2.0		N	6.00	2019-07-25	
Data Processing in physics	2.0	BE	N	6.00	2019-07-25	19S
Basic Lab Course I	2.7		N	6.00	2020-08-31	
Physics Practical Course I (block course after semester)	2.7	BE	N	6.00	2020-08-31	20S
Basic Lab Course II	2.7		N	6.00	2020-09-30	
Physics Practical Course II	2.7	BE	N	6.00	2020-09-30	20S
Advanced Lab Course	1.3		N	9.00	2021-04-29	20W
Advanced Laboratory Course in Physics	1.3	BE	N	9.00	2021-04-29	20W
Interconnection Modules	1.6		N	18.00	2021-09-15	
Scientific Debate in Experimental Physics	2.3		N	5.00	2019-08-27	
Scientific discussion in experimental physics	2.3	BE	N	5.00	2019-08-27	19S
Cross Connections in Experimental Physics	1.0		N	5.00	2021-09-15	
Cross Connections in Experimental Physics	1.0	BE	N	5.00	2021-09-15	21S
Cross Connections in Theoretical Physics	1.7		N	8.00	2021-08-13	
Cross Connections in Theoretical Physics	1.7	BE	N	8.00	2021-08-13	21S
Elective Courses	2.3		N	14.00	2021-07-29	
Subsidiary Subject	2.3		N	10.00	2019-08-13	
Informatics	2.3		N	10.00	2019-08-13	
Algorithm and Data Structures	1.3	BE	N	5.00	2019-08-13	19S
Introduction in Programming (Written exam Physics)	3.3	BE	N	5.00	2019-03-27	18W
Specialization Subject	B		N	4.00	2021-07-29	
Relativistic Quantum Theory	B		N	4.00	2021-07-29	

Final thesis	Grade	An	Rec	CP	Date	Sem
Bachelor Thesis	1.7		N	12.00	2022-05-09	22S
Topic: Simulation of Various Tissue Equivalent Gases for Drift Chambers						
Bachelor Talk						
Bachelor Talk	1.0	BE	N	3.00	2022-06-02	22S

Graduation Date: 2022-06-02
Overall Credits: 180.00 / 180.00
Overall Grade: 1.8

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