

Curriculum Vitae

Bianka Meçaj

PhD student at Mainz Institute of Theoretical Physics
Johannes Gutenberg University of Mainz (2018-2021)
Theoretical High Energy Physics -Group
Mainz, Germany
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Research interests collider phenomenology, precision calculations, effective theories, flavour physics, jet physics, BSM physics,

Education

University Degrees

M.Sc. in Physics, Major: High Energy Physics, 2017
Diploma grade: 6/6
Institutions: ETH Zürich, Switzerland and Ecole Polytechnique, Paris, France

Bachelor in Physics, 2015
Diploma grade: 10/10
Institution: University of Tirana, Tirana, Albania

Exchange programs

Exchange student in Physics, Academic Year 2014-2015
Average grade achieved: 9.67/10
Institution: University of Maribor, Slovenia

High School

Diploma of State Matura, 2012
Grade: 9.9/10
Institution: Sami Frasheri High School, Tirana, Albania

Awards and Fellowships

Mainz Physics Academy Fellowship

Provider: PRISMA+ Cluster of Excellence at University of Mainz
Duration: 2019-2021

Excellence Scholarship for Master studies

Provider: Ministry of Education, Albania
Duration: 2015-2017

Erasmus Mundus Join EU-SEE Penta Scholarship

Maribor, Slovenia, 2014-2015

Excellent Students of Tirana Scholarship

Tirana, Albania, 2012-2015

Awards and Fellowships	Third place in “The best student business plan” Tirana Business University, Tirana, Albania, 2012
	Excellent Pupils of Tirana Scholarship Tirana, Albania, 2006-2012
Internships	Intern at the French Linear Accelerator, February-June 2017, Orsay, France Worked on my master thesis on “The large NLO electroweak correction to $e^+e^- \rightarrow t\bar{t}$ ” Supervisor: Dr. Emi Kou
	PRISMA Intern Student, July-September 2017, Mainz, Germany Worked on the relaxion of the electroweak scale through particle production. Supervisor: Prof. Pedro Schwaller
Conferences and Workshops	Top-Physics Workshop-Talk, CERN-Geneva, June 2017 International Conference of Physics Students- Talk, Turin, August 2017 LHC latest results, Tirana- Talk, October 2018 SCET Workshop, San Diego, March 2019 Planck Conference, Granada, June 2019 Glauber Gluons and Factorization, Mainz, August 2019 World SCET 2020
Summer and Winter Schools	MITP Summer School, Mainz, June-July 2018 PSI Summer School, Zuoz-Switzerland, August 2018 MITP summer school 2018, Chiemsee-Germany, September 2018 GGI winter school on Fundamental Interactions-Florence, January 2019
Teaching experience	TA: “Introduction to Quantum Field Theory”, University of Mainz TA: “Advanced Quantum Mechanics”, University of Mainz TA: “Statistical Mechanics”, University of Mainz
Skills	Analytical Thinking, Adaptability, Teaching, Team Work, Public Speaking
Leadership experience	Organizer and host of Campus Mainz talk-show An on-campus organized talk show where inspiring and success stories are brought to the student audience. From PhD to Innovator Training certificate on leadership and entrepreneurship for scientists, October 2020 Organizer: Falling Walls Foundation
Languages	Albanian (mother tongue) English (full proficiency) Italian (limited proficiency) German (basic proficiency) French (basic proficiency)