

## Curriculum Vitae

<b>Bianka Meçaj</b>	PhD student at Mainz Institute of Theoretical Physics Johannes Gutenberg University of Mainz (2018-2021) Theoretical High Energy Physics -Group Mainz, Germany E-mail address: bimecaje@uni-mainz.de Phone: +49 (172) 6126355
Research interests	collider phenomenology, precision calculations, effective theories, flavour physics, jet physics, BSM physics,
Education	<b>University Degrees</b> 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  <b>Exchange programs</b> Exchange student in Physics, Academic Year 2014-2015 Average grade achieved: 9.67/10 Institution: University of Maribor, Slovenia  <b>High School</b> Diploma of State Matura, 2012 Grade: 9.9/10 Institution: Sami Frasheri High School, Tirana, Albania
Awards and Fellowships	<b>Mainz Physics Academy Fellowship</b> Provider: PRISMA+ Cluster of Excellence at University of Mainz Duration: 2019-2021  <b>Excellence Scholarship for Master studies</b> Provider: Ministry of Education, Albania Duration: 2015-2017  <b>Erasmus Mundus Join EU-SEE Penta Scholarship</b> Maribor, Slovenia, 2014-2015  <b>Excellent Students of Tirana Scholarship</b> Tirana, Albania, 2012-2015

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