Curriculum Vitae

Jannik Hofestädt

born 05/04/1986 in Munich, Germany married Email: jannik.hofestaedt@fau.de
Address: Schorlachstraße 23a
91058 Erlangen, Germany

Education and Positions

03/2017 - present Postdoctoral researcher at Erlangen Centre for Astroparticle Physics (ECAP), University of Erlangen-Nürnberg, Germany Field of research: neutrino physics with KM3NeT/ORCA and Super-ORCA 10/2012 - 02/2017 Ph.D. in Physics, highest distinction 'summa cum laude', University of Erlangen-Nürnberg Thesis: "Measuring the neutrino mass hierarchy with the future KM3NeT/ORCA detector", advisors: Prof. Dr. Gisela Anton and Prof. Dr. Uli Katz 10/2009 - 04/2012 M.Sc. in Physics, average grade 1.2 (among top 10%), University of Göttingen, Germany Thesis: "Muon triggers for Searches for Supersymmetry in Multi-Lepton Final States with the ATLAS Detector", advisors: Prof. Dr. Arnulf Quadt and Dr. Carsten Hensel 09/2010 - 01/2011 Exchange student (Erasmus), University of Amsterdam, Netherlands Research project at NIKHEF: "Studies for low-energy muon track reconstruction with the AN-TARES detector", advisor: Dr. Dorothea Samtleben 07/2010 - 09/2010 Summer student at Deutsches Elektronen-Synchrotron (DESY), Hamburg, Germany Research project: "Study of different reference axes for secondary vertexing in DIS at ZEUS" 10/2006 - 10/2009 B.Sc. in Physics, University of Göttingen

Responsibilities in Research and University

05/2019 - present	Representative of early-career scientists in Institute Board of KM3NeT Collaboration
10/2018 - present	Publication committee member of ANTARES Collabortion
04/2018 - present	Data analysis coordinator for first KM3NeT/ORCA data
02/2018 - present	Editorial board member for several ANTARES and KM3NeT Collaboration publications
01/2015 - 01/2017	Employee representative in ECAP management, University of Erlangen-Nürnberg
10/2013 - 04/2017	Deputy employee representative in Institute of Physics management, University of Erlangen-Nürnberg

Prizes

10/2019	Gerda-Weller-Prize for an outstanding dissertation in physics, awarded every four years, Department of Physics, University of Erlangen-Nürnberg
03/2018	Finalist (4 final nominees) for Dissertation Prize of German Physical Society (DPG) in 'Matter and Cosmos' section

10/2017	Dissertation Prize from the Global Neutrino Network of neutrino telescopes (GNN; ~700 international scientists)
10/2017	Ohm-Prize for an excellent dissertation in physics, Department of Physics, University of Erlangen-Nürnberg
03/2017	First best poster prize, International Workshop on Neutrino Telescopes (NeuTel)

Teaching Experience

04/2018	Substitute lecturing for 'Advanced Experimental Physics: Particle and Astroparticle Physics' course at University of Erlangen-Nürnberg
2018 - present	Co-supervision of Ph.D. students in their day-to-day work (3 students)
2013 - present	Co-supervision of bachelor and master students in their day-to-day work (\sim 15 students)
2013 - present	Tutorials and lab courses in advanced Particle Physics for master students at University of Erlangen-Nürnberg: conducting and tutoring exercises for 'Advanced Experimental Physics: Particle and Astroparticle Physics', supervising and grading students in experiment 'Analysis of Z^0 decays with OPAL'
2009 - present	Tutorials and lab courses for undergraduate students at University of Göttingen and University of Erlangen-Nürnberg: conducting and tutoring exercises for 'Physics 5' (Nuclear and Particle Physics), 'Physics 1 & 2' (Mechanics, Thermodynamics and Electrodynamics), 'Laboratory Course 2' (experiment 'radioactivity' and 'black-body radiation')

Outreach Activities

2013 - present	Explaining physics to pupils and the general public in events like:
	Long Night of Sciences: presentation of science with experiments/models
	Girls and Technology & Youth and Technology: one-day laboratory visits for pupils
	Market Day of Knowledge: science expeditions on central marketplace in Erlangen
2012 - present	Particle Physics Masterclasses in the framework 'Netzwerk Teilchenwelt' one-day hands-on events at schools (14- to 19-year old students) to give insight in topics and methods of particle physics research
2009	Physics show 'Zauberhafte Physik', University of Göttingen Developed and performed educational experiments for children

Selected Talks and Seminars

07/2019	Atmospheric Neutrinos Detected with the First KM3NeT Detection Units of ARCA and ORCA, contributed talk at the International Cosmic Ray Conference (ICRC), Madison, USA
04/2019	Physics with KM3NeT/ORCA, invited talk at the international workshop on Prospects of Neutrino Physics, Kavli IPMU, Kashiwa, Japan
10/2018	Summary of Parallel Sessions: Particle Physics with Neutrino Telescopes, invited talk at the Very Large Volume Neutrino Telescopes (VLVnT) conference, Dubna, Russia
10/2018	Computing in the KM3NeT Research Infrastructure, contributed talk at the Very Large Volume Neutrino Telescopes (VLVnT) conference. Dubna, Russia

08/2018	ANTARES and KM3NeT: Status and perspectives, invited talk at the Astroparticle Physics in Germany workshop, Mainz, Germany
06/2018	KM3NeT/Super-ORCA: Measuring the leptonic CP-phase with atmospheric neutrinos, contributed talk at the Advanced Workshop on Physics of Atmospheric Neutrinos (PANE), Trieste, Italy
03/2018	Measuring the neutrino mass hierarchy with the future KM3NeT/ORCA detector in the deep sea, invited talk at the Dissertation Prize Symposium of 'Matter and Cosmos' section at the spring meeting of the German physical society (DPG) , Würzburg, Germany
07/2017	Measuring the neutrino mass hierarchy with KM3NeT/ORCA, contributed talk at the Topics in Astroparticle and Underground Physics (TAUP) conference, Sudbury, Canada
06/2017	KM3NeT/ORCA: neutrino physics in the deep Mediterranean Sea, invited seminar talk at the Particle Physics Seminar at University of Bonn, Bonn, Germany
09/2016	Prospects for measuring the neutrino mass hierarchy with KM3NeT/ORCA, contributed talk at the European Cosmic Ray Symposium (ECRS) conference, Turin, Italy

Selected Posters

07/2019	Super-ORCA: Measuring the leptonic CP-phase with Atmospheric Neutrinos and Beam Neutrinos, International Cosmic Ray Conference (ICRC), Madison, USA
06/2018	KM3NeT/Super-ORCA: Measuring the leptonic CP-phase with atmospheric neutrinos, International Conference on Neutrino Physics and Astrophysics (Neutrino), Heidelberg, Germany
03/2017	Event reconstruction in the KM3NeT/ORCA detector, International Workshop on Neutrino Telescopes (NeuTel), Venice, Italy
07/2015	Studies of intrinsic resolution to low energy electron and muon neutrino events with neutrino telescopes and Reconstruction of shower-like neutrino events with the KM3NeT/ORCA detector, International Cosmic Ray Conference (ICRC), The Hague, Netherlands
07/2014	ORCA: a feasibility study of measuring the neutrino mass hierarchy with an underwater Cherenkov detector within the KM3NeT framework, International Conference on High Energy Physics (ICHEP), Valencia, Spain