

Dr. Susanne Westhoff

Curriculum Vitae

ACADEMIC POSITIONS

since Apr 2022	Assistant professor at Radboud University, High Energy Physics Department
Mar 2016 - Feb 2022	Junior professor at Heidelberg University, Institute for Theoretical Physics
Sep 2015 - Feb 2016	Postdoctoral fellow at Heidelberg University, Institute for Theoretical Physics
Sep 2012 - Aug 2015	Postdoctoral fellow at University of Pittsburgh, Department of Physics and Astronomy, PITT PACC
Nov 2009 - Aug 2012	Postdoctoral fellow at Johannes-Gutenberg-Universität Mainz, Institut für Physik (THEP) and Helmholtz-Institut Mainz

EDUCATION

Nov 2006 - Oct 2009	Ph.D. in physics (Dr. rer. nat.), KIT Universität Karlsruhe <i>“Probes of Yukawa Unification in Supersymmetric $SO(10)$ Models”</i> , advisor Prof. Ulrich Nierste
Aug 2005 - Nov 2006	Degree in physics (Diplom Physik), Universität Karlsruhe <i>“Effekte supersymmetrischer geladener Higgsbosonen in B- und Tau-Zerfällen”</i> , advisor Prof. Ulrich Nierste
Apr - Jul 2005	“Maîtrise de Sciences”, Laboratoire de Physique Subatomique et de Cosmologie (LPSC) Grenoble <i>“Etude du spectre des hadrons dans le cadre du modèle des quarks”</i> , advisor Prof. Jean Marc Richard
Sep 2004 - Jul 2005	Studies in physics at Université Joseph Fourier Grenoble, France, in the exchange programme of the “Deutsch-Französische Hochschule - Université franco-allemande”
Oct 2001 - Nov 2006	Studies in physics at Universität Karlsruhe, Germany

AWARDS AND FELLOWSHIPS

Mar 2016 - Feb 2022	Junior professorship endowed by the Carl-Zeiss foundation (2016-2020) funded by Heidelberg University (2020-2022)
Nov 2006 - Oct 2009	PhD fellowship at Karlsruhe Institute of Technology in the framework of a DFG research training group
Sep 2004 - Jul 2005	International fellowship by the German-French academy <i>Deutsch-Französische Hochschule</i> double-diploma exchange programme

RESEARCH FUNDING

Oct 2023 - Sep 2027	funding for one PhD position (Nikhef) with Dr. Mara Senghi Soares
Sep 2022 - Aug 2026	funding for one PhD position (Radboud University)
Jan 2019 - Dec 2022	Principal investigator <i>Particle Physics Phenomenology after the Higgs Discovery</i> (SFB-TRR 257), transregional collaborative research center funded by the German Science Foundation (DFG) funding for one postdoctoral position
Aug 2017 - present	Principal investigator and advisor <i>Particle physics beyond the standard model</i> (GK 1940), DFG-funded Research Training Group funding for one PhD position
Oct 2017 - Mar 2018	Principal investigator Heidelberg-Karlsruhe Research Partnership (HEiKA) funding for one postdoctoral position

PROFESSIONAL EXPERIENCE

since Sep 2023	Coordinator for the study program <i>Master of Physics and Astronomy</i> , specialization <i>Particles and Astrophysics</i> Faculty of Science, Radboud University
Oct 2020 - Sep 2021	Short-term associate with the ATLAS collaboration at CERN

2020-2021	Leader of the research initiative <i>Long-lived particle searches at Belle II</i> for the Community Summer Study 2021 (“Snowmass”)
2016	Participation in the management programme <i>Auf dem Weg zur Professur 2016</i> by the excellence initiative at Heidelberg University: training in communication and conflict management, leadership skills, employment law, appointment procedure in academia
2013	Member of the working group <i>Top-Quark Forward-Backward Asymmetry</i> for the Community Summer Study 2013 (“Snowmass”)
2017 - present	External reviewer of research grant proposals for the Dutch Research Council (NWO) and the French Agence Nationale de la Recherche (ANR)
2011 - present	Referee for Physical Review Letters, Physical Review D, Journal of High Energy Physics, Physics Letters B, European Physical Journal C

PUBLIC OUTREACH

Jul 19, 2021	Public talk: <i>Dunkle Materie</i> (in German) Rotary Club “Alte Brücke”, Heidelberg, Germany
since 2020	Guest author for DIE ZEIT, German weekly newspaper contributions on topics in science and academia
2017-2019	Juror at the science festival <i>Explore Science</i> public event for high-school students organized by the Klaus Tschira Foundation, Heidelberg.
Nov 7, 2018	Public talk: <i>Die weite Welt der kleinsten Teilchen</i> (in German) public event for high-school students interested in physics, organized by the German Physics Society DPG at the Karlsruhe Institute of Technology

ORGANIZATION OF CONFERENCES AND WORKSHOPS

Nov 13-17, 2023	Bethe Forum: <i>Long-Lived Particles</i> University of Bonn co-organizer and program committee
Sep 21-24, 2021	DESY Theory Workshop 2021: <i>Bright Ideas for a Dark Universe</i> , DESY Hamburg session convener <i>Particle Phenomenology</i>
Sep 06-08, 2021	Workshop <i>Anomalies and precision in the Belle II era</i> (hybrid) HEPHY Vienna co-organizer and program committee
Aug 23-28, 2021	Conference <i>SUSY 2021</i> , ITP-CAS Beijing (hybrid) program committee
Dec 10-11, 2020	Workshop <i>Long-lived particle searches at Belle II</i> (online) co-chair
Sep 22-25, 2020	Workshop <i>DESY Virtual Theory Forum</i> , DESY Hamburg (online) session convener <i>Particle Phenomenology</i>
Sep 24-27, 2019	DESY Theory Workshop 2019: <i>Quantum field theory meets gravity</i> , DESY Hamburg session convener <i>Particle Phenomenology</i>
Jul 11-12, 2019	Workshop <i>Standard Model Effective Field Theory</i> , Heidelberg University chair
Sep 24-26, 2018	Workshop <i>Flavour and Dark Matter</i> , Karlsruhe Institute of Technology organizing committee
Jul 23-27, 2018	Conference <i>SUSY 2018</i> , Barcelona session convener <i>Electroweak, Top and Higgs Physics</i>
Apr 3-6, 2018	Conference <i>Dark Matter @ LHC</i> , Heidelberg University organizing committee
Sep 25-28, 2017	Workshop <i>Flavour and Dark Matter</i> , Heidelberg University organizing committee
Mar 27-31, 2017	Conference <i>DPG Spring Meeting</i> , University of Münster session convener <i>Top-Quark Physics – Theory</i>

May 3-6, 2016

Workshop *SM@LHC*, University of Pittsburgh
session convener *Top-Quark and Flavor Physics*

2013 - 2015

Conference *Phenomenology symposium*, University of
Pittsburgh
organizing committee