

CV Tilman Plehn

Personal Data

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Career and Qualifications

Career stages	since 2008	Full Professor, Heidelberg University, Germany
	2007-2008	Reader, The University of Edinburgh, UK
	2006-2007	Heisenberg Fellow & Lecturer, The University of Edinburgh, UK
	2004-2006	Heisenberg Fellow, MPI for Physics, Munich, Germany
	2002-2004	Fellow, CERN Theory
	1998-2002	Postdoc, University of Wisconsin, Madison
Doctorate	1998	University of Hamburg/DESY, Germany <i>Production of Supersymmetric Particles at High Energy Colliders</i>
Degree	1989-1995	Physics (diploma) Heidelberg Univ, ETH Zürich, Univ of Hamburg/DESY <i>Pair production of Higgs bosons in hadron collisions</i>

Engagement in the Research System

since 2024	Founding Board Member, <i>EuCAIF</i>
since 2024	Research coordinator, AI Board, Heidelberg University
since 2023	Fellow, American Physical Society
since 2023	Member, European Laboratory for Learning and Intelligent Systems (ELLIS)
since 2023	Member, Interdisciplinary Center for Scientific Computing, Heidelberg University
2022-2024	Elected member, German Committee for Particle Physics (KET)
2013-2024	Associate Member, Higgs Centre, The University of Edinburgh
since 2024	Deputy Chair, Physics and Astronomy, Heidelberg University
2019-2021	Department Chair, Physics and Astronomy, Heidelberg University
2017-2019	Deputy Chair, Physics and Astronomy, Heidelberg University
since 2024	Executive Board, <i>Heidelberg Graduate School MathComp</i>
since 2023	Member, STUCTURES Cluster of Excellence
since 2019	Board, DFG Transregio <i>Particle Physics Phenomenology after the Higgs Discovery</i>
2014-2023	Spokesperson, DFG RTG <i>Particle Physics Beyond the Standard Model</i>
2013-2017	Managing Board <i>Heidelberg Graduate School for Physics</i>
since 2010	Managing Board, IMPRS <i>Precision Tests of Fundamental Symmetries</i>
since 2009	Scientific Board, <i>GDR/IRN Terascale</i>

Workshops and Schools

2023	Organizer 3-week MITP school <i>Machine Learning in Particle Theory</i>
2022	Organizer 4-week MITP workshop <i>A Deep-Learning Era of Particle Theory</i>
2018	Organizer, 4-week school <i>TASI</i> , Boulder, CO
since 2022	International advisory committee <i>Hammers & Nails</i>
2019-2020	International advisory committee <i>Higgs Conference</i>
since 2017	Co-founder, international organizing committee, host 2021 <i>ML4Jets</i>
2012-2014	International advisory committee, host 2017, <i>Higgs Couplings Workshop</i>
2012-2018	Scientific committee, <i>BOOST Workshop</i>
2010-2017	Organizing committee, host 2014, <i>Johns Hopkins Workshop</i>

Heidelberg Teaching

Winter 2024	<i>QCD</i> with J Pawlowski <i>Particle Physics</i> with U Uwer and S Degenkolb
Summer 2024	<i>Theoretical Physics II</i>
Winter 2023	<i>Physics and Machine Learning</i> with J Pawlowski <i>Theoretical Physics I</i> with Richard Schmidt
Summer 2023	<i>Theoretical Physics II</i>
Winter 2022	<i>Theoretical Physics I</i>
Summer 2022	<i>Deep Learning in Particle Physics</i>
Summer 2019	<i>Theoretical Physics II</i>
Winter 2018	<i>Theoretical Physics I</i>
Summer 2018	<i>The Standard Model of Particle Physics</i> with H-C Schultz–Coulon <i>Electromagnetism and Quantum Mechanics for Teachers</i> with E Thommes
Winter 2017	<i>QCD</i> with J Pawlowski
Summer 2017	<i>The Standard Model of Particle Physics</i> with S Hansmann-Menzemer <i>Electromagnetism and Quantum Mechanics for Teachers</i> with S Westhoff
Winter 2016	<i>Dark Matter</i> with T Marrodan, M Bauer, M Dunford, F Queiroz
Summer 2016	<i>Advanced Cosmology</i> with B Schäfer (sabbatical)
Winter 2015	<i>Dark Matter</i> with T Marrodan
Summer 2015	<i>Theoretical Physics II</i>
Winter 2014	<i>Theoretical Physics I</i>
Summer 2014	<i>QCD</i> with J Pawlowski
Winter 2013	<i>Higgs Physics</i> with H-C Schultz–Coulon
Summer 2013	<i>QCD and LHC Simulations</i>
Winter 2012	<i>Higgs Physics</i>
Summer 2012	<i>Quantum Field Theory II</i>
Winter 2011	<i>Quantum Field Theory I</i>
Summer 2011	<i>The Standard Model of Particle Physics</i> with U Uwer
Winter 2010	<i>LHC Physics</i>
Summer 2010	<i>Theoretical Physics II</i>
Winter 2009	<i>Theoretical Physics I</i>
Summer 2009	<i>LHC Physics</i>

Graduate Advising (Heidelberg)

Antoine Petitjean	PhD Heidelberg (expected 2027)
Daniel Schiller	PhD Heidelberg (expected 2027)
Lorenz Vogel	master Heidelberg (expected 2025)
Sebastian Pitz	master Heidelberg (expected 2025)
Javier Villadamigo	PhD Heidelberg, with Anja Butter (expected 2026)
Giovanni De Crescenzo	PhD Heidelberg (expected 2026)
Nikita Schmal	master & PhD Heidelberg (expected 2026)
Nina Elmer	master & PhD Heidelberg (expected 2026)
Sofia Palacios Schweitzer	PhD Heidelberg, with Anja Butter (expected 2025)
Nathan Hütsch	PhD Heidelberg, with Anja Butter (expected 2025)
Sophia Vent	master Heidelberg (expected 2025)
Jonas Spinner	PhD Heidelberg (expected 2025)
Luigi Favaro	PhD Heidelberg (2024)
Theo Heimel	master & PhD Heidelberg (2024)
Jona Ackerschott	master Heidelberg (2023)
Florian Ernst	master Heidelberg (2023)
Benedikt Schosser	master Heidelberg (2023)
Emma Geoffray	PhD Heidelberg (2023)
Michel Luchmann	master & PhD Heidelberg (2022)
Nina Lubbe	master Heidelberg (2022)
Thorsten Buss	master Heidelberg (2022)
Marco Bellagente	PhD Heidelberg (2022)
Lennard Röver	master Heidelberg (2021)
Natalie Soybelman	master Heidelberg (2021)
Peter Reimitz	master & PhD Heidelberg (2020)
Ramon Winterhalder	PhD Heidelberg (2020)
Sebastian Bieringer	master Heidelberg (2020)
Fabian Keilbach	master Heidelberg (2020)
Anke Biekötter	PhD Heidelberg (2019)
Sascha Diefenbacher	master Heidelberg (2019)
Rhea Moutafis	master Heidelberg (2019)
Elias Bernreuther	master Heidelberg (2018)
Josua Göcking	master Heidelberg (2017)
Anja Butter	master & PhD Heidelberg (2017)
Johann Brehmer	master & PhD Heidelberg (2017)
Torben Schell	master & PhD Heidelberg (2017)
Valentin Tenorth	master Heidelberg (2017)
Martin Klassen	master Heidelberg (2017)
Jamil Hetzel	PhD Heidelberg (2015)
Peter Schichtel	diploma & PhD Heidelberg (2014)
Malte Buschmann	master Heidelberg (2014)
Karin Firnkes	master Heidelberg (2014)
Ioan Wigmore	PhD Edinburgh (2013)
Daniel Wiegand	master Heidelberg (2013)
Felix Kling	master Heidelberg (2012)
Dorival Goncalves	PhD Heidelberg (2012)
Fabian Gross	diploma Heidelberg (2011)
Thomas Lübbert	diploma Heidelberg (2010)
Sebastian Bock	diploma Heidelberg (2010)