Mathieu Pellen

Universität Freiburg, Physikalisches Institut Hermann-Herder-Straße 3, D-79104 Freiburg mathieu.pellen@physik.uni-freiburg.de | +49-761-203-7617

Date and place of birth: 4^{th} of June 1987 in Brest, France

Nationality, Gender, Status: French, Male, Married

Languages: French (native), English (fluent), German (fluent)

Languages.	French (native), English (nuent), German (nuent)
Research Positions	
10/20 - present	Postdoctoral researcher / future Habilitation candidate Physics Institute, University of Freiburg (Germany)
10/18 - 09/20	Research associate Cavendish laboratory, University of Cambridge (United Kingdom)
10/15 - 09/18	Postdoctoral researcher Institute for Theoretical Physics und Astrophysics, University of Würzburg (Germany)
10/11 - 09/15	PhD student Precision Calculations for Physics Beyond the Standard Model, Supervisor: Michael Krämer - RWTH Aachen (Germany)
03 - 08/11	Master student Energy and momentum conservation rules for the intersection of branes Supervisor: David Wands - ICG, University of Portsmouth (United Kingdom)
06 - 08/10	Bachelor student Modelling proton-proton collisions at the LHC Supervisor: Arthur Moraes - University of Glasgow (United Kingdom)
07 - 08/09	Summer student Calculations for Coupling of a SQUID with a coplanar resonant line Supervisor: Olivier Buisson - Institut Néel (CNRS), Grenoble (France)
Education	
10/11 - 06/15	PhD in natural science Institute for Theoretical Particle Physics and Cosmology, PWTH Aschon University (Cormany)

	Institute for Theoretical Particle Physics and Cosmology, RWTH Aachen University (Germany)
09/10 - 09/11	International Master in Subatomic and Astroparticle Physics Joseph Fourier University / LPSC (CNRS), Grenoble (France)
09/08 - 09/11	Master in Physics and Nanoscience Grenoble Institute of Technology (France)
09/05 - 09/08	Classe préparatoire aux Grandes écoles (equivalent to first and second year of university) Lycée de Kérichen, Brest (France)

Articles:

- [1] R. Covarelli, M. Pellen and M. Zaro, *Vector-Boson Scattering at the LHC: unravelling the Electroweak sector*, *Invited review IJMPA* (2021) [2102.10991].
- [2] M. Czakon, A. Mitov, M. Pellen and R. Poncelet, *NNLO QCD predictions for W+c-jet production at the LHC, Submitted to JHEP* (2020) [2011.01011].
- [3] A. Denner, R. Franken, M. Pellen and T. Schmidt, *NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC*, *JHEP* **11** (2020) 110 [2009.00411].
- [4] A. Denner, J.-N. Lang and M. Pellen, *Full NLO QCD corrections to off-shell ttbb production*, *Submitted to JHEP* (2020) [2008.00918].
- [5] F. A. Dreyer, A. Karlberg, J.-N. Lang and M. Pellen, *Precise predictions for double-Higgs production via vector-boson fusion*, *Eur. Phys. J.* **C80** (2020), no. 11 1037 [2005.13341].
- [6] S. Bräuer, A. Denner, M. Pellen, M. Schönherr and S. Schumann, Fixed-order and merged parton-shower predictions for WW and WWj production at the LHC including NLO QCD and EW corrections, JHEP 10 (2020) 159 [2005.12128].
- [7] M. Pellen, *Exploring the scattering of vector bosons at LHCb*, *Phys. Rev.* **D101** (2020), no. 1 013002 [1908.06805].
- [8] A. Denner, S. Dittmaier, M. Pellen and C. Schwan, *Low-virtuality photon transitions* $\gamma^* \to f\bar{f}$ *and the photon-to-jet conversion function*, *Phys. Lett. B* **798** (2019) 134951 [1907.02366].
- [9] M. Chiesa, A. Denner, J.-N. Lang and M. Pellen, *An event generator for same-sign W-boson scattering at the LHC including electroweak corrections, Eur. Phys. J.* **C79** (2019), no. 9 788 [1906.01863].
- [10] A. Denner, S. Dittmaier, P. Maierhöfer, M. Pellen and C. Schwan, *QCD and electroweak corrections to WZ scattering at the LHC*, *JHEP* **06** (2019) 067 [1904.00882].
- [11] L. Di Menza, J.-P. Nicolas and M. Pellen, *A new type of charged black hole bomb*, *Gen. Rel. Grav.* **52** (2020), no. 1 8 [1903.02941].
- [12] A. Ballestrero et. al., Precise predictions for same-sign W-boson scattering at the LHC, Eur. Phys. J. C78 (2018), no. 8 671 [1803.07943].
- [13] A. Denner and M. Pellen, *Off-shell production of top-antitop pairs in the lepton+jets channel at NLO QCD*, *JHEP* **02** (2018) 013 [1711.10359].
- [14] B. Biedermann, A. Denner and M. Pellen, *Complete NLO corrections to W* $^+W^+$ *scattering and its irreducible background at the LHC, JHEP* **10** (2017) 124 [1708.00268].
- [15] B. Biedermann, S. Bräuer, A. Denner, M. Pellen, S. Schumann and J. M. Thompson, *Automation of NLO QCD and EW corrections with Sherpa and Recola, Eur. Phys. J.* **C77** (2017) 492 [1704.05783].
- [16] A. Denner, J.-N. Lang, M. Pellen and S. Uccirati, *Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD at the LHC, JHEP* **02** (2017) 053 [1612.07138].
- [17] L. Ali Cavasonza, H. Gast, M. Krämer, M. Pellen and S. Schael, *Constraints on leptophilic dark matter from the AMS-02 experiment*, *Astrophys. J.* **839** (2017), no. 1 36 [1612.06634].
- [18] B. Biedermann, A. Denner and M. Pellen, *Large electroweak corrections to vector-boson scattering at the Large Hadron Collider, Phys. Rev. Lett.* **118** (2017), no. 26 261801 [1611.02951].
- [19] A. Denner and M. Pellen, *NLO electroweak corrections to off-shell top-antitop production with leptonic decays at the LHC, JHEP* **08** (2016) 155 [1607.05571].
- [20] C. Arina, M. Backović, E. Conte, B. Fuks, J. Guo, J. Heisig, B. Hespel, M. Krämer, F. Maltoni, A. Martini, K. Mawatari, M. Pellen and E. Vryonidou, *A comprehensive approach to dark matter studies: exploration of simplified top-philic models*, *JHEP* **11** (2016) 111 [1605.09242].
- [21] J. Heisig, M. Krämer, M. Pellen and C. Wiebusch, *Constraints on Majorana Dark Matter from the LHC and IceCube*, *Phys. Rev.* **D93** (2016), no. 5 055029 [1509.07867].

- [22] M. Backović, M. Krämer, F. Maltoni, A. Martini, K. Mawatari and M. Pellen, *Higher-order QCD predictions* for dark matter production at the LHC in simplified models with s-channel mediators, Eur. Phys. J. C75 (2015), no. 10 482 [1508.05327].
- [23] L. Ali Cavasonza, M. Krämer and M. Pellen, *Electroweak fragmentation functions for dark matter annihilation*, *JCAP* **1502** (2015), no. 02 021 [1409.8226].
- [24] R. Gavin, C. Hangst, M. Krämer, M. Mühlleitner, M. Pellen, E. Popenda and M. Spira, *Squark Production and Decay matched with Parton Showers at NLO*, *Eur. Phys. J.* **C75** (2015), no. 1 29 [1407.7971].
- [25] M. Pellen, Conservation laws for colliding branes with induced gravity, Astrophys. Space Sci. **357** (2015), no. 1 24 [1309.6750].
- [26] R. Gavin, C. Hangst, M. Krämer, M. Mühlleitner, M. Pellen, E. Popenda and M. Spira, *Matching Squark Pair Production at NLO with Parton Showers*, *JHEP* **10** (2013) 187 [1305.4061].

Proceedings and Reports:

- [1] M. Pellen, *Vector bosons and jets at the LHC*, Eighth Annual Conference on Large Hadron Collider Physics-LHCP2020, 25-30 May. [arXiv:2009.12236 [hep-ph]].
- [2] J. Baglio et al., VBSCan Mid-Term Scientific Meeting, [arXiv:2004.00726 [hep-ph]].
- [3] S. Amoroso et al., Les Houches 2019: Physics at TeV Colliders: Standard Model Working Group Report, [arXiv:2003.01700 [hep-ph]].
- [4] A. Denner, J.-N. Lang, M. Pellen and S. Uccirati, *NLO QCD* + *electroweak predictions for off-shell ttH production at the LHC*, [arXiv:1912.08493 [hep-ph]].
- [5] R. Bellan et al., VBSCan Thessaloniki 2018 Workshop Summary, [arXiv:1906.11332 [hep-ph]].
- [6] P. Azzi et al., Standard Model Physics at the HL-LHC and HE-LHC, [arXiv:1902.04070 [hep-ph]].
- [7] J. R. Andersen *et al.*, Les Houches 2017: Physics at TeV Colliders Standard Model Working Group Report, [arXiv:1803.07977 [hep-ph]].
- [8] C. F. Anders et al., Vector boson scattering: Recent experimental and theory developments, Rev. Phys. 3, 44 (2018) [arXiv:1801.04203 [hep-ph]].
- [9] A. Denner, J.-N. Lang, M. Pellen and S. Uccirati, *NLO QCD and EW corrections to processes involving off-shell top quarks*, PoS RADCOR **2017**, 060 (2017) [arXiv:1711.08910 [hep-ph]].
- [10] B. Biedermann, A. Denner and M. Pellen, *Electroweak corrections to vector-boson scattering*, PoS RADCOR **2017**, 072 (2017) [arXiv:1711.02932 [hep-ph]].
- [11] M. Pellen, *Automated computations of electroweak corrections using Sherpa+Recola*, 29th Rencontres de Blois on Particle Physics and Cosmology Blois, France, May 28-June 2, 2017 [arXiv:1709.05791 [hep-ph]].
- [12] B. Biedermann, A. Denner and M. Pellen, *NLO electroweak corrections to vector-boson scattering at the LHC*, PoS DIS **2017**, 164 (2018) [arXiv:1708.00646 [hep-ph]].
- [13] L. Ali Cavasonza, M. Krämer and M. Pellen, *Exploring Dark Matter with AMS-02 through Electroweak Corrections*, Proceedings, 11th Patras Workshop on Axions, WIMPs and WISPs (Axion-WIMP 2015): Zaragoza, Spain, June 22-26, 2015
- [14] J. Heisig and M. Pellen, *Dark Matter at the LHC and IceCube a Simplified Model Interpretation*, Proceedings, 11th Patras Workshop on Axions, WIMPs and WISPs (Axion-WIMP 2015): Zaragoza, Spain, June 22-26, 2015 [arXiv:1509.08640 [hep-ph]].
- [15] R. Gavin, C. Hangst, M. Krämer, M. Mühlleitner, M. Pellen, E. Popenda and M. Spira, *Squark Production and Decay at NLO matched with Parton Showers*, PoS DIS **2014**, 125 (2014).
- [16] L. Ali Cavasonza, M. Krämer and M. Pellen, *Electroweak fragmentation functions for dark matter annihilation*, Proceedings, 10th Patras Workshop on Axions, WIMPs and WISPs (AXION-WIMP 2014): Geneva, Switzerland, June 29-July 4, 2014

Teaching - Sup	ervision
2020-21	Exercise manager Classical Electrodynamics (in German) - University of Freiburg, Germany
	→ Co-organiser of tutorials and designing of exercise sheets/exam
04/2019	Lecture <i>Standard model, higher orders, and VBF/VBS</i> - University of Pavia, Italy
	→ PhD programme (10 hours)
04/2018	Lecture Introduction to electroweak corrections
	\rightarrow First EWSB spring school (3 hours) - Maratea, Italy
2018	Teaching assistant Classical Electrodynamics (in German) - University of Würzburg, Germany
	→ Exercise classes and designing of exercise sheets
2017-18	Teaching assistant Advanced Quantum Field Theory - University of Würzburg, Germany
	ightarrow Exercise classes and designing of exercise sheets
2015	Teaching assistant Classical Mechanics (in German) - RWTH Aachen, Germany
	ightarrow Exercise classes and corrections of students' sheets
2014	Teaching assistant Quantum Mechanics - RWTH Aachen, Germany
	ightarrow Exercise classes and corrections of students' sheets
2012-13	Teaching assistant Classical Electrodynamics - RWTH Aachen, Germany
	\rightarrow Exercise classes and corrections of students' sheets
2019-20	Co-supervision of a PhD student - University of Cambridge, United Kingdom
	ightarrow Higher-order corrections
2014-15	Supervision of two Master students - RWTH Aachen, Germany
	ightarrow Indirect Dark-Matter detection
2013	Supervision of two Bachelor students for their thesis - RWTH Aachen, Germany
	ightarrow Supersymmetric quantum mechanics
	ightarrow Two Higgs doublet model
2012	Supervision of two Master students for literature seminar - RWTH Aachen, Germany
	ightarrow Extra dimension models
Leadership - So	cientific Management
2017-now	Working-group leader of the VBSCan COST network
	Working-group leader of the VBScan GOST network
2021	Group coordinator, Fall school for high-energy physics: Maria Laach, Bad Honnef (Germany)
2021	Convener, Les Houches workshop 2021: Physics at TeV Colliders, Les Houches (France)
2021	Session Chair, DPG Meeting - QCD and electroweak interactions, Dortmund (Germany)
2020	Organiser, Workshop on Effective Field Theory in Polarised VBS, online
2020	Programme organiser and Chair, VBSCan meeting, Helsinki (Finland)

2021	Group coordinator , Fall school for high-energy physics: Maria Laach, Bad Honnef (Germany)
2021	Convener, Les Houches workshop 2021: Physics at TeV Colliders, Les Houches (France)
2021	Session Chair, DPG Meeting - QCD and electroweak interactions, Dortmund (Germany)
2020	Organiser, Workshop on Effective Field Theory in Polarised VBS, online
2020	Programme organiser and Chair, VBSCan meeting, Helsinki (Finland)
2019	Programme organiser, VBSCan meeting, Istanbul (Turkey)
2019	Convener of the EW session at LHCP 2019 - Puebla (Mexico)
2019	Programme organiser and Chair, VBSCan meeting, Ljubljana (Slovenia)
2018	Programme organiser and Chair, VBSCan meeting, Thessaloniki (Greece)
2018	Programme organiser and Chair, VBSCan meeting, CERN, Geneva (Switzerland)
2017	Programme organiser and Chair, VBSCan meeting, Split (Croatia)
2020	Editor, VBSCan Mid-Term Scientific Meeting: proceedings [2004.00726]
2019	Editor, VBSCan Thessaloniki 2018 Workshop: proceedings [1906.11332]

	201 201 2017-no	Section coordinator, Les Houches workshop 2017 Standard-Model report: Physics at TeV Colliders [1803.07977]		
	202	Member of Scientific Committee of international workshop <i>BSM models in Vector-Boson Scattering processes</i> – Lisbon (Portugal)		
	2018-2 2017-1	20 Representative of the United Kingdom in the VBSCAN COST action		
	2020-no 2018-2 2015-1	Organiser of weekly seminar (University of Cambridge)		
	2020-no	w Mentor of 3 PhD students		
Func	ding			
	06/2020	Step 2 of the ERC Starting Grant 2020 call (ERC-2020-StG) Panel score: proposal of high quality. Not funded.		
	11/2019	Cravel grant from COST EU agency - 800 Euros. One-week visit at University of Würzburg, Germany.		
	03/2017	e-week visit at Nikhef - Amsterdam, Netherlands.		
	03/2011	bility grant Explo'RA, Rhone-Alpes region - 2000 Eurosmonths project at University of Portsmouth, United Kingdom.		
	07/2010	Summer Studentship Scheme, University of Glasgow - 1000 Pounds. Three-months project at University of Glasgow, United Kingdom.		
Invited Presentations				
	04/2021	Vector-boson scattering at the LHC: unravelling the Electroweak sector, Seminar, University of Freiburg (Germany) - invited.		
	03/2021	Stress testing the Standard Model via vector-boson scattering at the LHC, DPG Meeting, Dortmund (Germany) - invited topical talk.		
	12/2020	Theoretical predictions for Higgs measurements at the LHC, Seminar, Heidelberg (Germany) - invited.		
	11/2020	Full NLO QCD corrections to off-shell ttbb production, Seminar, RWTH Aachen (Germany) - invited.		
	10/2020	Multi-particle final states at 1-loop EW, CEPC workshop, Shanghai (China) - invited.		
	07/2020	Precise predictions for double-Higgs production via vector-boson fusion, LHC-HH Subgroup Meeting (online) - invited.		
	05/2020	Vector bosons plus jets at the LHC, LHCP2020, Paris (France) - invited.		

05/2020	Theoretical predictions for processes with many legs at the LHC, Seminar, Milan (Italy) - invited.
01/2020	Off-shell effects in tt and ttH production, Plenary, ZPW2020, Zurich (Switzerland) - invited.
11/2019	Theoretical predictions for processes with many legs at the LHC, Seminar, Nikhef (Netherlands) - invited.
09/2019	Theoretical predictions for ttH production - $NLO\ QCD\ +\ NLO\ EW$, Plenary, TOP2019, Beijing (China) - invited.
09/2019	What can we do better: Precision electroweak, Plenary, ATLAS Standard-Model workshop, Belgrade (Serbia) - invited.
02/2019	Theory predictions for vector-boson scattering at the LHC, Seminar, IPPP Durham (United Kingdom) - invited.
10/2018	Vector-boson scattering at the LHC, Seminar, University of Cambridge (United Kingdom) - invited.
09/2018	Production of top quark pairs at the LHC: NLO corrections and off-shell effects, Seminar, University of Zurich (Switzerland) - invited.
08/2018	Theory input for VBS, QCD@LHC, Dresden (Germany) - invited.
07/2018	Top quark at the LHC: NLO corrections and off-shell effects, Seminar, Desy Hamburg (Germany) - invited.
04/2018	Theory developments in VBS simulations, Plenary, SM@LHC, Berlin (Germany) - invited.
03/2018	Vector-boson scattering at the LHC, Seminar, University of Cambridge (United Kingdom) - invited.
02/2018	High-precision description of VBS at the LHC, CMS meeting, CERN (Switzerland) - invited.
01/2018	NLO corrections for processes involving off-shell top quarks, Seminar, Freiburg (Germany) - invited.
08/2017	Status of EW NLO corrections for multi-boson processes, Plenary, MBI 2017, KIT / Karlsruhe (Germany) - invited.
05/2017	Automatised computations of EW corrections using Sherpa+Recola, Rencontres de Blois 2017, Blois (France) - invited.
05/2017	NLO EW corrections for processes involving off-shell top quarks, Seminar, Göttingen University (Germany) - invited.
04/2017	Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD, CMS generator meeting, CERN - Geneva, (Switzerland) - invited.
03/2017	NLO electroweak corrections to off-shell top—antitop production with leptonic decays at the LHC DPG Meeting - Münster University (Germany) - invited.
01/2015	NLO accuracy for Supersymmetric processes at the LHC, Seminar - Würzburg University (Germany) - invited.
03/2013	Basics of AdS / CFT correspondence, Seminar - Department of Mathematics - University of Brest (France) - invited.

^	+1	04	Pre		nto	+:,	
u	un	er	Pre	:se	ทเล	111	ms

10/2020	Off-shell effects for ttbb at NLO QCD, Higgs Cross Section Working Group, ttH/tH subgroup.
02/2020	Review of theoretical predictions for VBS, VBSCAN meeting, Helsinki (Finland).
11/2018	Production of off-shell top pairs in the lepton+jets channel at NLO QCD, LHC top WG meeting, CERN (Switzerland).
10/2018	NLO corrections to VBS, HL/HE-LHC WG1 Meeting, CERN (Switzerland).
11/2017	EW, QCD, and interference contributions for VBS, Workshop Monte-Carlo description of VBS, Nikhef (Netherlands).
09/2017	NLO QCD and EW corrections for processes involving off-shell top quarks, RADCOR 2017, St Gilgen (Austria).
06/2017	Complete NLO corrections to $pp \to \mu_+ \nu_\mu e_+ \nu_e jj$, VBSCAN meeting, Split (Croatia).
06/2017	EW corrections: Recola, Automation, VBS, Les Houches workshop: Physics at TeV Colliders, Les Houches (France).
04/2017	Large electroweak corrections to vector-boson scattering at the LHC, DIS 2017 - Birmingham University (United Kingdom).
03/2017	Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD, DPG Meeting - Münster University (Germany).
08/2016	NLO EW corrections to off-shell top quark pair production, QCD@LHC 2016 - Zurich (Switzerland).
12/2015	Simplified models in Madgraph, LHC Dark Matter WG meeting - CERN - Geneva (Switzerland).
11/2015	Precise predictions for Dark Matter production at the LHC, Helmholtz Alliance meeting Physics at the Terascale - Hamburg Desy (Germany).
10/2015	Higher-order NLO-QCD predictions for dark matter production at the LHC, New Physics meeting - Bonn (Germany).
10/2015	NLO predictions for Dark Matter production at the LHC, HAP meeting - Karlsruhe (Germany).
06/2015	Exploring Dark Matter with AMS-02 through Electroweak Corrections, Patras Workshop - Zaragoza (Spain).
03/2015	NLO accuracy and spin effects for squark-gluino production and decay, DPG Meeting - Wuppertal (Germany).
12/2014	Supersymmetry: from the algebra to LHC phenomenology, Seminar - RWTH Aachen (Germany).
10/2014	NLO accuracy for production and decay of squarks matched with parton shower, Theory meeting - BCTP Bonn (Germany).
09/2014	NLO accuracy for production and decay of squarks matched with parton shower, Desy Theory Workshop - Desy Hamburg (Germany).
07/2014	Next-to-leading order accuracy for production and decay of squarks and gluino, SUSY 2014 - University of Manchester (United Kingdom).

03/2014	Next to leading order accuracy for production and decay of squarks and gluino, DPG Meeting - Mainz University (Germany).
03/2013	Supersymmetric Cascade Decays at Next-to-Leading Order: Squark decay, DPG Meeting - TU Dresden (Germany).
02/2013	Instanton and Strong CP problem, Literature Seminar - RWTH Aachen (Germany).
08/2012	Supersymmetric Cascade Decays at Next-to-Leading Order, GK Berichtswoche - Vaals (Netherlands).
05/2012	Strong vs. Weak Electroweak symmetry breaking (AdS / CFT), Literature Seminar, RWTH Aachen (Germany).
08/2011	Rules for colliding branes in higher-dimensions, Seminar, ICG-Portsmouth (United Kingdom).
08/2010	Modelling proton-proton collisions at the LHC, Seminar, University of Glasgow (United Kingdom).

Posters ___

10/2016	NLO electroweak corrections to off-shell top-antitop production with leptonic decays at the LHC,
	625. WE-Heraeus-Seminar - Bad Honnef (Germany).

- 08/2015 Higher-order QCD predictions for dark matter production in simplified models, 9^{th} MCnet School Spa (Belgium).
- 11/2014 *NLO accuracy for the production and decay of squarks and gluino*, 573. WE-Heraeus-Seminar Bad Honnef (Germany).
- 08/2012 Supersymmetric Cascade Decays at Next-to-Leading Order, 40th SLAC Summer Institute, SLAC-Stanford (USA).

Attendance of Scientific Schools ____

- 08/2015 9th MCnet School. Spa (Belgium).
- 09/2012 DPG School, Heavy particles at the LHC. Bad Honnef (Germany).
- 07/2012 40th SLAC Summer Institute, *The Electroweak Scale*. SLAC-Stanford (USA).
- 07/2011 Intensive course Topics in Gravitation and Cosmology by Christian Boehmer. UCL-London (United Kingdom).

Attendance of international Conferences / Workshops _

- 03/2021 DPG Spring Meeting TU Dortmund (Germany).
- 05/2020 LHCP2020, Paris (France).
- 01/2020 ZPW2020, Zurich (Switzerland).
- 09/2019 12^{th} International Workshop on Top Quark Physics, Beijing (China).
- 09/2019 ATLAS Standard Model workshop, Belgrade (Serbia).
- 06/2019 Les Houches workshop: Physics at TeV Colliders. Les Houches (France).
- 05/2019 LHCP 2019. Puebla (Mexico).
- 02/2019 VBSCAN meeting. Ljubljana (Slovenia).
- 11/2019 LHC top WG meeting. CERN (Switzerland).

- 08/2018 QCD@LHC. Dresden (Germany).
- 06/2018 VBSCAN meeting. Thessaloniki (Greece).
- 04/2018 SM@LHC. Berlin (Germany).
- 02/2018 VBSCAN meeting. CERN (Switzerland).
- 09/2017 RADCOR 2017. St Gilgen (Austria).
- 08/2017 MBI 2017. KIT Karlsruhe (Germany)
- 06/2017 VBSCAN meeting. Split (Croatia).
- 06/2017 Les Houches workshop. Les Houches (France).
- 05/2017 Rencontres de Blois 2017. Blois (France)
- 04/2017 DIS 2017. Birmingham University (United Kingdom).
- 03/2017 DPG Meeting. Münster University (Germany).
- 10/2016 625. WE-Heraeus-Seminar: *Interplay between precision measurements and searches for new physics*. Bad Honnef (Germany).
- 08/2016 QCD@LHC 2016. Zurich (Switzerland).
- 11/2015 Helmholtz Alliance meeting *Physics at the Terascale*. Desy Hamburg (Germany).
- 10/2015 HAP Dark Matter 2015. KIT Karlsruhe (Germany).
- 03/2015 Topical wokshop. *Anticipating 14 TeV: Insights into Matter from the LHC and Beyond.* Munich Insitute for Astro- and Particle Physcs (Germany).
- 03/2015 11^{th} Patras Workshop on Axions, WIMPs and WISPs. Zaragoza University (Spain).
- 03/2015 Topical wokshop. *Effective theories and dark matter*. Mainz Institute for Theoretical Physics (Germany).
- 03/2015 79th Annual Meeting of the DPG. Wuppertal University (Germany).
- 10/2014 573. WE-Heraeus-Seminar: *Physics Landscape after the Higgs Discovery at the LHC*. Bad Honnef (Germany).
- 09/2014 Desy Theory Workshop. Desy Hamburg (Germany).
- 09/2014 Closing meeting Meeting of the SFB/TR 9. Durbach (Germany).
- 07/2014 SUSY 2014. University of Manchester (United Kingdom).
- 03/2014 78th Annual Meeting of the DPG. Mainz University (Germany).
- 10/2013 20th Meeting of the SFB/TR 9 Computational Particle Physics. KIT-Karlsruhe (Germany).
- 09/2013 LHC run 1 aftermath Where theory meets experiment. Bad Honnef (Germany).
- 03/2013 19th Meeting of the SFB/TR 9 Computational Particle Physics. RWTH Aachen (Germany).
- 03/2013 77th Annual Meeting of the DPG. TU Dresden (Germany).
- 10/2012 Strings, Cosmology and Gravity Student Conference 2012. IHP Paris (France).
- 10/2012 18th Meeting of the SFB/TR 9 Computational Particle Physics. HU Berlin (Germany).
- 03/2012 17th Meeting of the SFB/TR 9 Computational Particle Physics. KIT Karlsruhe (Germany).
- 11/2011 16th Meeting of the SFB/TR 9 Computational Particle Physics. RWTH Aachen (Germany).
- 09/2011 Workshop on Theoretical Cosmology. ICG-Portsmouth (United Kingdom).
- 09/2011 Cosmic (Super)Strings Meeting / UK Particle Cosmology meeting. ICG Portsmouth (United Kingdom).
- 07/2011 The DES Collaboration Meeting 2011. ICG Portsmouth (United Kingdom).
- 05/2011 UK Particle Cosmology meeting. DAMTP Cambridge (United Kingdom).