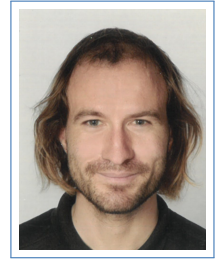


Prof. Dr. Andreas Crivellin

Curriculum Vitae

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Dual-nationality: German-Italian



Positions

- since 2019 **SNSF Professorship** UZH & PSI, Zurich, Switzerland
 - Joint position of the University of Zurich and the Paul Scherrer Institut
 - Personal grant of the Swiss National Science Foundation including 2 PhD students and 1 postdoc
- 01.07.2020- **Scientific Associateship** CERN, Geneva, Switzerland
- 31.06.2021 ○ One year research stay at CERN during leave of absence from the SNSF professorship
- 2016-2018 **SNSF Ambizione Fellowship**, PSI, Villigen, Switzerland
 - Personal grant of the Swiss National Science Foundation, including one PhD student
- 2014-2015 **CERN Fellowship**, Geneva, Switzerland
 - Personal Marie Curie Fellowship
- 2010-2013 **Postdoc**, Bern, Switzerland
 - Postdoctoral research in the group of Prof. Dr. Christoph Greub

Education

- 2007-2010 **PhD Studies**, Karlsruhe Institute of Technology, Karlsruhe, Germany
 - PhD thesis "Non-minimal Flavour violation in the Minimal Supersymmetric Standard Model" under the supervision of Prof. Dr. Ulrich Nierste.
- 2002-2007 **Diploma Studies**, University of Karlsruhe, Karlsruhe, Germany
 - Diploma thesis with the title "Nicht-entkoppelnde Schleifenkorrekturen im generischen MSSM" under the supervision of Prof. Dr. Ulrich Nierste
- 2001-2002 **Studies of Molecular Biotechnology**, University of Heidelberg
- 2000-2001 **Mandatory civilian service**
- 1993-2000 **High School**, Gymnasium am Rosenberg, Oberndorf a.N., Germany.

Awards, Fellowships and Grants

- 2023 SNSF Scientific Exchange Grant
 - 12'800 CHF
- 2022 Prolongation of the SNSF Professorship
 - 731'564 CHF + overhead
- 2019 CERN Scientific Associateship
- 2018 SNSF Professorship
 - 1'516'179 CHF + overhead
- 2017 SNSF Scientific Exchange grant
 - 3'500 CHF
- 2014 SNSF Ambizione grant
 - 548'000 CHF + overhead
- 2012 Marie Curie Fellowship
 - 186'000 EURO

Bibliometric data

- >18'000 citations (>10500 citations with 10 authors or less),
- >120 peer reviewed or submitted articles with 10 authors or less, including 16 published in Physical Review Letters, 1 in the journal 'Science' and 1 in Nature Reviews Physics
- h-index 62 (57 with 10 authors or less)
- 14 collaboration and community reports
- >40 proceedings
- See <https://inspirehep.net/authors/1060042?ui-citation-summary=true> for details.

5 year track record

- 63 published articles
- 1 article in Science, 1 in Nature Reviews Physics and 6 in PRL
- 3 supervised PhD students
- >6000 citations
- >60 talks at conferences etc.
- organization of 3 conferences/workshops

Supervision

Master Students

- 2024 Lounes Amziane
- 2023 Yannick Burkhard
- 2022 Zachary Wuthrich
- 2022 Francisco Martinez Checa
- 2020 Luc Schnell

PhD students

- since 2022 Guglielmo Coloretti
- 2019-2022 Fiona Kirk
- 2019-2022 Claudio Andrea Manzari
- 2017-2020 Francesco Saturnino (Co-supervision)
- 2016-2019 Dario Müller
- 2013-2015 Jason Aebischer (Co-supervision)
- 2011-2013 Ahmet Kokulu (Co-supervision)

Bachelor Students

- 2024 Banurega Shanmuganathan
- 2022 Georgia Busin

Referee

- Journal of High Energy Physics
- Physical Review D
- Physical Review Letters
- European Physical Journal C (distinguished referee 2014)
- International Journal of Modern Physics A
- Physics Letters B

Languages

- German (native)
- English (fluent)
- French (basic knowledge)

Teaching

- 2024 SS 2023: Lecture "Flavour Physics" at the University of Zurich, Switzerland
- 2023 SS 2023: Lecture "The Electroweak Standard Model" at the University of Zurich and ETH Zurich, Switzerland

- 2022 Lecture "New Physics in the lepton sector and correlations with the electroweak fits" at the XX Frascati Summer School "Bruno Touschek" in Nuclear, Subnuclear and Astroparticle Physics, Frascati, Italy
- 2022 SS 2022: Proseminar "Theoretical Particle Physics" at the University of Zurich
- 2021 Lecture "Flavour Anomalies" at the BELLE II summer workshop for PhD students, Virginia Tech (remote)
- 2019 SS 2019: Lecture "Flavour Physics" at the University of Zurich, Switzerland
- 2018 PhD student lecture "Effective Operators Methods in Flavour Physics" at the University of Heidelberg, Germany
- 2018 Lecture "Anomalies / Alternative New Physics models" at the PhD school of the German LHVb groups in Meinerzhagen, Germany
- 2017 SS 2017: Proseminar "Theoretical Particle Physics" at the University of Zurich
- 2012 HS 2012: Lecturer of mechanics II lecture at the University of Bern, including exercises and exam
- 2011 HS 2011: Lecturer of mechanics II lecture at the University of Bern, including exercises and exam

Invited Colloquia, Seminars, Conferences and Workshops

- Main organizer of 5 workshops/conferences
- 6 Invited colloquia
- >100 invited (mostly plenary) talks at international conferences and workshops
- >80 Invited seminar talks at universities and research institutions
- <https://www.dropbox.com/s/zn1qdi0e2a2zee9/ConferencesAndWorkshops.pdf?dl=0> for details

Outreach Activities

- 2024 Article in "Spektrum der Wissenschaft"
- 2022 Article in "Scientific American" (November edition)
- 2022 Article in "NZZ"
- 2022 Article in "CERN Courier"
- 2022 Article in "Bund"
- 2021 Swiss radio station SRF2, interview
- 2021 Article in CERN EP Newsletter
- 2017 Article in "Steinbeis Transfermagazin"
- 2014,2015, 2017, 2021 Talk for the general public at: Studium Generale of the Business School Alb-Schwarzwald, Rottweil, Germany
- 2015 Talk for pupils at: Gymnasium am Rosenberg, Oberndorf, Germany

Peer-reviewed and Submitted Articles

- [1] S. Banik, G. Coloretti, A. Crivellin and H. E. Haber,
“Correlating $A \rightarrow \gamma\gamma$ with EDMs in the 2HDM in light of the diphoton excesses at 95 GeV and 152 GeV,” submitted to PRL, [arXiv.org/abs/2412.00523](https://arxiv.org/abs/2412.00523).
- [2] S. Ashanujjaman, S. Banik, G. Coloretti, A. Crivellin, S. P. Maharathy and B. Mellado,
“Anatomy of the Real Higgs Triplet Model,”
submitted to JHEP, [arXiv.org/abs/2411.18618](https://arxiv.org/abs/2411.18618).
- [3] P. Athron, A. Crivellin, T. E. Gonzalo, S. Iguro and C. Sierra,
“Global fit to the 2HDM with generic sources of flavour violation using `\textsf{GAMBIT}`,”
JHEP **11** (2024), 133
[arXiv.org/abs/2410.10493](https://arxiv.org/abs/2410.10493).
- [4] P. Sharma, A. T. Mulaudzi, K. Mosala, T. Mathaha, M. Kumar, B. Mellado, A. Crivellin,
M. Titov, M. Ruan and Y. Fang,
“Discovery Potential of Future Electron-Positron Colliders for a 95 GeV Scalar,”
submitted to Science Bulletin, [arXiv.org/abs/2407.16806](https://arxiv.org/abs/2407.16806).
- [5] S. Banik and A. Crivellin,
“Explanation of the excesses in associated di-photon production at 152 GeV in 2HDM,”
JHEP **10** (2024), 203,
[arXiv.org/abs/2407.06267](https://arxiv.org/abs/2407.06267).
- [6] A. Crivellin, S. Ashanujjaman, S. Banik, G. Coloretti, S. P. Maharathy and B. Mellado,
“Growing Evidence for a Higgs Triplet,”
Submitted to EPJC,
[arXiv.org/abs/2404.14492](https://arxiv.org/abs/2404.14492).
- [7] S. Ashanujjaman, S. Banik, G. Coloretti, A. Crivellin, S. P. Maharathy and B. Mellado,
“Explaining the $\gamma\gamma + X$ Excesses at ≈ 151.5 GeV via the Drell-Yan Production of a Higgs Triplet,”
Submitted to PRD,
[arXiv.org/abs/2402.00101](https://arxiv.org/abs/2402.00101).
- [8] G. Coloretti, A. Crivellin and B. Mellado,
“Combined Explanation of LHC Multi-Lepton, Di-Photon and Top-Quark Excesses,”
Phys. Rev. D **110** (2024) no.7, 073001,
[arXiv.org/abs/2312.17314](https://arxiv.org/abs/2312.17314).
- [9] W. Altmannshofer, A. Crivellin, H. Haigh, G. Inguglia and J. Martin Camalich,
“Light New Physics in $B \rightarrow K^{(*)}\nu\bar{\nu}$,”
Phys. Rev. D **109** (2024) no.7, 075008,
[arXiv.org/abs/2311.14629](https://arxiv.org/abs/2311.14629)



- [10] A. Crivellin and S. Iguro,
“Accumulating Hints for Flavour Violating Higgses at the Electroweak Scale,”
Phys. Rev. D **110** (2024) no.1, 015014,
[arXiv.org/abs/2311.03430](https://arxiv.org/abs/2311.03430)
- [11] A. Crivellin and M. Kirk,
“Diquark Explanation of $b \rightarrow s\ell^+\ell^-$,”
Phys. Rev. D **108** (2023) no.11, 11
[arXiv.org/abs/2309.07205](https://arxiv.org/abs/2309.07205)
- [12] A. Crivellin and B. Mellado,
“Anomalies in Particle Physics,”
Nature Rev. Phys. **6** (2024) no.5, 294-309,
[arXiv.org/abs/2309.03870](https://arxiv.org/abs/2309.03870).
- [13] B. Capdevila, A. Crivellin and J. Matias,
“Review of Semileptonic B Anomalies,”
Eur. Phys. J. ST **1** (2023), 20,
[arXiv.org/abs/2309.01311](https://arxiv.org/abs/2309.01311).
- [14] S. Banik, G. Coloretti, A. Crivellin and B. Mellado,
“Uncovering New Higgses in the LHC Analyses of Differential $t\bar{t}$ Cross Sections,”
Submitted to JHEP,
[arXiv.org/abs/2308.07953](https://arxiv.org/abs/2308.07953)
- [15] S. Banik and A. Crivellin,
“Renormalization Group Evolution with Scalar Leptoquarks,”
JHEP **11** (2023), 121,
[arXiv.org/abs/2307.06800](https://arxiv.org/abs/2307.06800).
- [16] S. Bhattacharya, G. Coloretti, A. Crivellin, S. E. Dahbi, Y. Fang, M. Kumar and B. Mellado,
Submitted to Phys. Rev. Lett., “Growing Excesses of New Scalars at the Electroweak Scale,”
submitted to PRD,
[arXiv.org/abs/2306.17209](https://arxiv.org/abs/2306.17209)
- [17] S. Ashanujjaman, S. Banik, G. Coloretti, A. Crivellin, B. Mellado and A. T. Mulaudzi,
“ $SU(2)_L$ triplet scalar as the origin of the 95 GeV excess?,”
Phys. Rev. D **108** (2023) no.9, L091704,
[arXiv.org/abs/2306.15722](https://arxiv.org/abs/2306.15722).
- [18] M. Fedele, M. Blanke, A. Crivellin, S. Iguro, U. Nierste, S. Simula and L. Vittorio,
“Discriminating $B \rightarrow D^* \ell \nu$ form factors via polarization observables and asymmetries,” Phys. Rev.
D **108** (2023) no.5, 055037
[arXiv.org/abs/2305.15457](https://arxiv.org/abs/2305.15457).
- [19] A. Crivellin, M. Kirk and A. Thapa, “Minimal model for the W -boson mass, $(g-2)_\mu$, $h \rightarrow \mu^+\mu^-$
and quark-mixing-matrix uni,”

- Phys. Rev. D **108** (2023) no.3, L031702
[arXiv.org/abs/2305.03081](https://arxiv.org/abs/2305.03081).
- [20] S. Banik, A. Crivellin, S. Iguro and T. Kitahara,
“Asymmetric Di-Higgs Signals of the N2HDM- $U(1)$,”
Phys. Rev. D **108** (2023) no.7, 075011,
[arXiv.org/abs/2303.11351](https://arxiv.org/abs/2303.11351).
- [21] G. Coloretti, A. Crivellin, S. Bhattacharya and B. Mellado,
“Searching for low-mass resonances decaying into W bosons,” Phys. Rev. D **108** (2023) no.3,
035026,
[arXiv.org/abs/2302.07276](https://arxiv.org/abs/2302.07276).
- [22] A. Crivellin and M. Hoferichter,
“Rescattering effects in nucleon-to-meson form factors and application to tau-lepton-induced
proton decay,” Phys. Lett. B **845** (2023), 138169,
[arXiv.org/abs/2302.01939](https://arxiv.org/abs/2302.01939)
- [23] A. Crivellin, M. Kirk, T. Kitahara and F. Mescia,
“Global Fit of Modified Quark Couplings to EW Gauge Bosons and Vector-Like Quarks in Light
of the Cabibbo Angle Anomaly,”
JHEP **03** (2023), 234,
[arXiv.org/abs/2212.06862](https://arxiv.org/abs/2212.06862).
- [24] M. Fedele, M. Blanke, A. Crivellin, S. Iguro, T. Kitahara, U. Nierste and R. Watanabe,
“Impact of $\Lambda_b \rightarrow \Lambda_c \tau \nu$ measurement on New Physics in $b \rightarrow c l \nu$ transitions,”
Phys. Rev. D **107** (2023) no.5, 055005,
[arXiv.org/abs/2211.14172](https://arxiv.org/abs/2211.14172).
- [25] A. Crivellin and M. Hoferichter,
“Width effects of broad new resonances in loop observables and application to $(g - 2)_\mu$,”
Phys. Rev. D **108** (2023) no.1, 013005,
[arXiv.org/abs/2211.12516](https://arxiv.org/abs/2211.12516).
- [26] A. Crivellin, C. A. Manzari, B. Mellado, S. E. Dahbi and A. K. Swain,
“Consistency and Interpretation of the LHC (Di-)Di-Jet Excesses,”
Phys. Rev. D **107** (2023) no.5, 054045,
[arXiv.org/abs/2208.12254](https://arxiv.org/abs/2208.12254).
- [27] A. Crivellin, F. Kirk and M. Schreck,
“Impact of Lorentz violation on anomalous magnetic moments of charged leptons,”
JHEP **11** (2022), 109,
[arXiv.org/abs/2208.11420](https://arxiv.org/abs/2208.11420).
- [28] V. Cirigliano, A. Crivellin, M. Hoferichter and M. Moulson,
“Scrutinizing CKM unitarity with a new measurement of the $K_{\mu 3}/K_{\mu 2}$ branching fraction,”

Phys. Lett. B **838** (2023), 137748,
[arXiv.org/abs/2208.11707](https://arxiv.org/abs/2208.11707).

50+

- [29] A. Crivellin, C. A. Manzari and F. Kirk,
“Comprehensive Analysis of Charged Lepton Flavour Violation in the Symmetry Protected Type-I Seesaw,”
JHEP **12** (2022), 031,
[arXiv.org/abs/2207.00020](https://arxiv.org/abs/2207.00020).
- [30] M. Algueró, B. Capdevila, A. Crivellin and J. Matias,
“Disentangling Lepton Flavour Universal and Lepton Flavour Universality Violating Effects in $b \rightarrow s\ell^+\ell^-$ Transitions,”
Phys. Rev. D **105** (2022) no.11, 113007,
[arXiv.org/abs/2205.15212](https://arxiv.org/abs/2205.15212).
- [31] A. Crivellin, M. Kirk, T. Kitahara and F. Mescia,
“Large $t \rightarrow cZ$ as a sign of vectorlike quarks in light of the W mass,”
Phys. Rev. D **106** (2022) no.3, L031704,
[arXiv.org/abs/2204.05962](https://arxiv.org/abs/2204.05962).
- 50+
- [32] A. Crivellin, B. Fuks and L. Schnell,
“Explaining the hints for lepton flavour universality violation with three S_2 leptoquark generations,”
JHEP **06** (2022), 169,
[arXiv.org/abs/2203.10111](https://arxiv.org/abs/2203.10111).
- [33] A. Crivellin, C. A. Manzari, W. Altmannshofer, G. Inguglia, P. Feichtinger and J. M. Camalich,
“Towards excluding a light Z' explanation of $b \rightarrow s\ell^+\ell^-$,”
Phys. Rev. D **106** (2022) no.3, L031703,
[arXiv.org/abs/2202.12900](https://arxiv.org/abs/2202.12900).
- [34] M. Algueró, A. Crivellin, C. A. Manzari and J. Matias, “Importance of $Z - Z'$ Mixing in $b \rightarrow s\ell^+\ell^-$ and the W mass,”
Phys. Rev. D **106** (2022) no.3, 033005,
[arXiv.org/abs/2201.08170](https://arxiv.org/abs/2201.08170).
- [35] A. Crivellin and M. Hoferichter,
“Hints of lepton flavor universality violations,”
Science **374**, no.6571, 1051 (2021)
[arXiv.org/abs/2111.12739](https://arxiv.org/abs/2111.12739).
- [36] A. Crivellin, M. Hoferichter and J. M. Roney,
“Towards testing the magnetic moment of the tau at one part per million,”

- Phys. Rev. D **106** (2022) no.9, 093007,
[arXiv.org/abs/2111.10378](https://arxiv.org/abs/2111.10378).
- [37] A. Crivellin, J. F. Eguren and J. Virto,
“Next-to-Leading-Order QCD Matching for $\Delta F = 2$ Processes in Scalar Leptoquark Models,”
JHEP **03**, 185 (2022),
[arXiv.org/abs/2109.13600](https://arxiv.org/abs/2109.13600).
- [38] A. Crivellin, Y. Fang, O. Fischer, A. Kumar, M. Kumar, E. Malwa, B. Mellado, N. Rapheeha,
X. Ruan and Q. Sha,
“Accumulating Evidence for the Associate Production of a Neutral Scalar with Mass around 151 GeV,”
Phys. Rev. D **108** (2023) no.11, 115031,
[arXiv.org/abs/2109.02650](https://arxiv.org/abs/2109.02650).
- [39] A. Crivellin and L. Schnell,
“Addendum to “Combined constraints on first generation leptoquarks”,,”
Phys. Rev. D **104** (2021) no.5, 055020
arxiv.org/abs/2104.06417
- [40] A. Crivellin, M. Hoferichter, M. Kirk, C. A. Manzari and L. Schnell, “First-Generation New Physics in Simplified Models: From Low-Energy Parity Violation to the LHC,”
HEP **10** (2021), 221,
[arXiv.org/abs/2107.13569](https://arxiv.org/abs/2107.13569).
- [41] A. Carvunis, A. Crivellin, D. Guadagnoli and S. Gangal,
“The Forward-Backward Asymmetry in $B \rightarrow D^* \ell \nu$: One more hint for Scalar Leptoquarks?,”
Phys. Rev. D **105** (2022) no.3, L031701,
[arXiv.org/abs/2106.09610](https://arxiv.org/abs/2106.09610).
- [42] A. Crivellin and L. Schnell,
“Complete Set of Feynman Rules for Scalar Leptoquarks,”
Comput. Phys. Commun. **271** (2022), 108188,
[arXiv.org/abs/2105.04844](https://arxiv.org/abs/2105.04844).
- [43] A. J. Buras, A. Crivellin, F. Kirk, C. A. Manzari and M. Montull,
“Global Analysis of Leptophilic Z' Bosons,”
JHEP **06**, 068 (2021),
[arXiv.org/abs/2104.07680](https://arxiv.org/abs/2104.07680).

- [44] A. Crivellin and M. Hoferichter,
“Consequences of chirally enhanced explanations of $(g - 2)_\mu$ for $h \rightarrow \mu\mu$ and $Z \rightarrow \mu\mu$,”
JHEP **07**, 135 (2021),
[arXiv.org/abs/2104.03202](https://arxiv.org/abs/2104.03202).


- [45] A. Crivellin, C. A. Manzari and M. Montull,
“Correlating Non-Resonant Di-Electron Searches at the LHC to the Cabibbo-Angle Anomaly and Lepton Flavour Universality Violation,”
Phys. Rev. D **104** (2021) no.11, 115016,
[arXiv.org/abs/2103.12003](https://arxiv.org/abs/2103.12003).
- [46] A. Crivellin, M. Hoferichter and C. A. Manzari,
“The Fermi constant from muon decay versus electroweak fits and CKM unitarity,”
Phys. Rev. Lett. **127**, no.7, 071801 (2021),
[arXiv.org/abs/2102.02825](https://arxiv.org/abs/2102.02825).
50+
- [47] A. Crivellin, D. Müller and L. Schnell,
“Combined Constraints on First Generation Leptoquarks,”
Phys. Rev. D **103**, no.11, 115023 (2021),
[arXiv.org/abs/2101.07811](https://arxiv.org/abs/2101.07811).
50+
- [48] A. Crivellin, F. Kirk, C. A. Manzari and L. Panizzi,
“Searching for Lepton Flavour (Universality) Violation and Collider Signals from a Singly-Charged Scalar Singlet,”
Phys. Rev. D **103**, no.7, 073002 (2021),
[arXiv.org/abs/2012.09845](https://arxiv.org/abs/2012.09845).
- [49] M. Algueró, A. Crivellin, S. Descotes-Genon, J. Matias and M. Novoa-Brunet,
“A new B -flavour anomaly in $B_{d,s} \rightarrow K^{*0} \bar{K}^{*0}$: anatomy and interpretation,”
JHEP **04**, 066 (2021),
[arXiv.org/abs/2011.07867](https://arxiv.org/abs/2011.07867).
- [50] A. Crivellin, C. A. Manzari, M. Alguero and J. Matias,
“Combined Explanation of the $Z \rightarrow b\bar{b}$ Forward-Backward Asymmetry, the Cabibbo Angle Anomaly, $\tau \rightarrow \mu\nu\nu$ and $b \rightarrow s\ell^+\ell^-$ Data,”
Phys. Rev. Lett. **127**, no.1, 011801 (2021),
[arXiv.org/abs/2010.14504](https://arxiv.org/abs/2010.14504).
50+
- [51] A. Crivellin, C. Greub, D. Müller and F. Saturnino,
“Scalar Leptoquarks in Leptonic Processes,”
JHEP **02** (2021), 182
[arXiv.org/abs/2010.06593](https://arxiv.org/abs/2010.06593).
50+
- [52] A. Crivellin, F. Kirk and M. Schreck,
“Implications of $SU(2)_L$ gauge invariance for constraints on Lorentz violation,”
JHEP **04**, 082 (2021),
[arXiv.org/abs/2009.01247](https://arxiv.org/abs/2009.01247).

- [53] A. Crivellin, D. Mueller and F. Saturnino,
“Correlating $h \rightarrow \mu^+ \mu^-$ to the Anomalous Magnetic Moment of the Muon via Leptoquarks,”
Phys. Rev. Lett. **127**, no.2, 021801 (2021),
[arXiv.org/abs/2008.02643](https://arxiv.org/abs/2008.02643).
50+
- [54] A. Crivellin, F. Kirk, C. A. Manzari and M. Montull,
“Global Electroweak Fit and Vector-Like Leptons in Light of the Cabibbo Angle Anomaly,”
JHEP **12** (2020), 166
[arXiv.org/abs/2008.01113](https://arxiv.org/abs/2008.01113).
100+
- [55] A. Crivellin, D. Müller and F. Saturnino,
“Leptoquarks in oblique corrections and Higgs signal strength: status and prospects,”
JHEP **11** (2020), 094
[arXiv.org/abs/2006.10758](https://arxiv.org/abs/2006.10758).
- [56] B. Capdevila, A. Crivellin, C. A. Manzari and M. Montull,
“Explaining $b \rightarrow s \ell^+ \ell^-$ and the Cabibbo angle anomaly with a vector triplet,”
Phys. Rev. D **103** (2021) no.1, 015032
[arXiv.org/abs/2005.13542](https://arxiv.org/abs/2005.13542).
50+
- [57] A. Crivellin, M. Hoferichter, C. A. Manzari and M. Montull,
“Hadronic vacuum polarization: $(g - 2)_\mu$ versus global electroweak fits,”
Phys. Rev. Lett. **125**, no. 9, 091801 (2020) doi:10.1103/PhysRevLett.125.091801
[arXiv.org/abs/2003.04886](https://arxiv.org/abs/2003.04886).
100+
- [58] A. Crivellin and M. Hoferichter,
“Beta decays as sensitive probes of lepton flavor universality,”
Phys. Rev. Lett. **125** (2020) no.11, 111801,
[arXiv.org/abs/2002.07184](https://arxiv.org/abs/2002.07184).
100+
- [59] A. M. Coutinho, A. Crivellin and C. A. Manzari,
“Global Fit to Modified Neutrino Couplings and the Cabibbo-Angle Anomaly,”
Phys. Rev. Lett. **125**, no. 7, 071802 (2020)
[arXiv.org/abs/1912.08823](https://arxiv.org/abs/1912.08823).
50+
- [60] A. Crivellin, D. Müller and F. Saturnino,
“Flavor Phenomenology of the Leptoquark Singlet-Triplet Model,”
JHEP **2006**, 020 (2020),
[arXiv.org/abs/1912.04224](https://arxiv.org/abs/1912.04224).
100+

- [61] L. Calibbi, A. Crivellin, F. Kirk, C. A. Manzari and L. Vernazza,
“ Z' models with less-minimal flavour violation,”
Phys. Rev. D 101, no. 9, 095003 (2020),
[arXiv.org/abs/1910.00014](https://arxiv.org/abs/1910.00014).
50+
- [62] A. Crivellin, C. Gross, S. Pokorski and L. Vernazza,
“Correlating ϵ'/ϵ to hadronic B decays via $U(2)^3$ flavour symmetry,”
Phys. Rev. D 101, no. 1, 015022 (2020),
[arXiv.org/abs/1909.02101](https://arxiv.org/abs/1909.02101).
- [63] M. Blanke, A. Crivellin, T. Kitahara, M. Moscati, U. Nierste and I. Nisandzic,
“Addendum: “Impact of polarization observables and $B_c \rightarrow \tau\nu$ on new physics explanations of the $b \rightarrow c\tau\nu$ anomaly”,,”
Phys. Rev. D 100, no. 3, 035035 (2019),
[arXiv.org/abs/1905.08253](https://arxiv.org/abs/1905.08253)
100+
- [64] A. Crivellin and F. Saturnino,
“Correlating Tauonic B Decays to the Neutron EDM via a Scalar Leptoquark,”
Phys. Rev. D 100, no. 11, 115014 (2019),
[arXiv.org/abs/1905.08257](https://arxiv.org/abs/1905.08257).
- [65] P. Arnan, A. Crivellin, M. Fedele and F. Mescia,
“Generic Loop Effects of New Scalars and Fermions in $b \rightarrow s\ell^+\ell^-$ and a Vector-like 4th Generation,”
JHEP 1906, 118 (2019),
[arXiv.org/abs/1904.05890](https://arxiv.org/abs/1904.05890).
50+
- [66] A. Crivellin, D. Müller and C. Wiegand,
“ $b \rightarrow s\ell^+\ell^-$ Transitions in Two-Higgs-Doublet Models,”
JHEP 1906, 119 (2019),
[arXiv.org/abs/1903.10440](https://arxiv.org/abs/1903.10440).
50+
- [67] M. Alguero, B. Capdevila, A. Crivellin, S. Descotes-Genon, P. Masjuan, J. Matias and J. Virto,
“Emerging patterns of New Physics with and without Lepton Flavour Universal contributions,”
Eur. Phys. J. C 79, no. 8, 714 (2019),
[arXiv.org/abs/1903.09578](https://arxiv.org/abs/1903.09578).
250+
- [68] V. Cirigliano, A. Crivellin, W. Dekens, J. de Vries, M. Hoferichter and E. Mereghetti,
“CP violation in Higgs–gauge interactions: from tabletop experiments to the LHC,”
Phys. Rev. Lett. 123, no. 5, 051801 (2019),
[arXiv.org/abs/1903.03625](https://arxiv.org/abs/1903.03625).

- [69] M. Blanke, A. Crivellin, S. de Boer, T. Kitahara, M. Moscati, U. Nierste and I. Nisandzic, "Impact of polarization observables and $B_c \rightarrow \tau\nu$ on new physics explanations of the $b \rightarrow c\tau\nu$ anomaly," Phys. Rev. D 99 (2019) no.7, 075006
[arXiv.org/abs/1811.09603](https://arxiv.org/abs/1811.09603).
100+
- [70] J. Aebischer, A. Crivellin and C. Greub, "QCD improved matching for semileptonic B decays with leptoquarks," Phys. Rev. D 99 (2019) no.5, 055002
[arXiv.org/abs/1811.08907](https://arxiv.org/abs/1811.08907).
- [71] A. Crivellin, M. Hoferichter and P. Schmidt-Wellenburg, "Combined explanations of $(g - 2)_{\mu,e}$ and implications for a large muon EDM," Phys. Rev. D 98 (2018) no.11 113002
[arXiv.org/abs/1807.11484](https://arxiv.org/abs/1807.11484).
250+
- [72] A. Crivellin, M. Ghezzi, L. Panizzi, G. M. Pruna and A. Signer, "Low- and high-energy phenomenology of a doubly charged scalar," Phys. Rev. D 99 (2019) no.3, 035004
[arXiv.org/abs/1807.10224](https://arxiv.org/abs/1807.10224).
- [73] A. Crivellin, C. Greub, F. Saturnino and D. Müller, "Importance of Loop Effects in Explaining the Accumulated Evidence for New Physics in B Decays with a Vector Leptoquark," Phys. Rev. Lett. 122 (2019) 011805
[arXiv.org/abs/1807.02068](https://arxiv.org/abs/1807.02068).
100+
- [74] A. Crivellin, Z. Fabisiewicz, W. Materkowska, U. Nierste, S. Pokorski and J. Rosiek, "Lepton flavour violation in the MSSM: exact diagonalization vs mass expansion," JHEP 1806 (2018) 003
[arXiv.org/abs/1802.06803](https://arxiv.org/abs/1802.06803).
- [75] M. Blanke and A. Crivellin, " B Meson Anomalies in a Pati-Salam Model within the Randall-Sundrum Background," Phys. Rev. Lett. 121 (2018) no.1, 011801
[arXiv.org/abs/1801.07256](https://arxiv.org/abs/1801.07256).
250+
- [76] V. Cirigliano, A. Crivellin and M. Hoferichter, "No-go theorem for nonstandard explanations of the $\tau \rightarrow K_S \pi \nu_\tau$ CP asymmetry," Phys. Rev. Lett. 120 (2018) no.14, 141803
[arXiv.org/abs/1712.06595](https://arxiv.org/abs/1712.06595).

- [77] B. Capdevila, A. Crivellin, S. Descotes-Genon, L. Hofer and J. Matias,
“Searching for New Physics with $b \rightarrow s\tau^+\tau^-$ processes,”
Phys. Rev. Lett. 120 (2018) no.18, 181802
arXiv.org/abs/1712.01919.
100+
- [78] A. Crivellin, J. Heeck and D. Müller,
“Large $h \rightarrow bs$ in generic two-Higgs-doublet models,”
Phys. Rev. D 97 (2018) no.3, 035008
arXiv.org/abs/1710.04663.
- [79] L. Calibbi, A. Crivellin and T. Li,
“A model of vector leptoquarks in view of the B -physics anomalies,”
Phys. Rev. D 98, no. 11, 115002 (2018)
arXiv.org/abs/1709.00692.
250+
- [80] A. Crivellin, D. Müller, A. Signer and Y. Ulrich,
“Correlating lepton flavor universality violation in B decays with $\mu \rightarrow e\gamma$ using leptoquarks,”
Phys. Rev. D 97 (2018) no.1, 015019
arXiv.org/abs/1706.08511.
50+
- [81] B. Capdevila, A. Crivellin, S. Descotes-Genon, J. Matias and J. Virto,
“Patterns of New Physics in $b \rightarrow s\ell^+\ell^-$ transitions in the light of recent data,”
JHEP 1801 (2018) 093
arXiv.org/abs/1704.05340.
250+
- [82] A. Crivellin, D. Mueller and T. Ota,
“Simultaneous explanation of $R(D^{(*)})$ and $b \rightarrow s\mu^+\mu^-$: the last scalar leptoquarks standing,”
JHEP 1709 (2017) 040
arXiv.org/abs/1703.09226.
250+
- [83] J. Aebischer, A. Crivellin, C. Greub and Y. Yamada,
“The MSSM without Gluinos; an Effective Field Theory for the Stop Sector,”
Eur. Phys. J. C 77, no. 11, 740 (2017)
arXiv.org/abs/1703.08061.
- [84] A. Crivellin, G. D’Ambrosio, T. Kitahara and U. Nierste,
“ $K \rightarrow \pi\nu\bar{\nu}$ in the MSSM in light of the ϵ'_K/ϵ_K anomaly,”
Phys. Rev. D 96 (2017) no.1, 015023
arXiv.org/abs/1703.05786.
50+

- [85] A. Crivellin, S. Davidson, G. M. Pruna and A. Signer,
“Renormalisation-group improved analysis of $\mu \rightarrow e$ processes in a systematic effective-field-theory approach,”
JHEP 1705 (2017) 117
[arXiv.org/abs/1702.03020](https://arxiv.org/abs/1702.03020).
50+
- [86] E. Coluccio Leskow, A. Crivellin, G. D’Ambrosio and D. Müller,
“ $(g - 2)_\mu$, Lepton Flavour Violation and Z Decays with Leptoquarks: Correlations and Future Prospects,”
Phys. Rev. D 95 (2017) no.5, 055018
[arXiv.org/abs/1612.06858](https://arxiv.org/abs/1612.06858).
100+
- [87] A. Crivellin, J. Fuentes-Martin, A. Greljo and G. Isidori,
“Lepton Flavor Non-Universality in B decays from Dynamical Yukawas,”
Phys. Lett. B 766 (2017) 77
[arXiv.org/abs/1611.02703](https://arxiv.org/abs/1611.02703).
100+
- [88] P. Arnan, L. Hofer, F. Mescia and A. Crivellin,
“Loop effects of heavy new scalars and fermions in $b \rightarrow s\mu^+\mu^-$,”
JHEP 1704 (2017) 043,
[arXiv.org/abs/1608.07832](https://arxiv.org/abs/1608.07832).
100+
- [89] A. Crivellin, M. Ghezzi and M. Procura,
“Effective Field Theory with Two Higgs Doublets,”
JHEP 1609 (2016) 160
[arXiv.org/abs/1608.00975](https://arxiv.org/abs/1608.00975).
- [90] W. Altmannshofer, M. Carena and A. Crivellin,
“ $L_\mu - L_\tau$ theory of Higgs flavor violation and $(g - 2)_\mu$,”
Phys. Rev. D 94 (2016) no.9, 095026
[arXiv.org/abs/1604.08221](https://arxiv.org/abs/1604.08221).
100+
- [91] A. Crivellin, U. Haisch and L. C. Tunstall,
“Stop searches in flavourful supersymmetry,”
JHEP 1609 (2016) 080
[arXiv.org/abs/1604.00440](https://arxiv.org/abs/1604.00440).
- [92] A. Crivellin, G. D’Ambrosio, M. Hoferichter and L. C. Tunstall,
“Lepton flavor (universality) violation in rare kaon decays,”
Phys. Rev. D 93 (2016) no.7, 074038,

[arXiv.org/abs/1601.00970](https://arxiv.org/abs/1601.00970).

50+

- [93] J. Aebischer, A. Crivellin, M. Fael and C. Greub,
“Matching of gauge invariant dimension-six operators for $b \rightarrow s$ and $b \rightarrow c$ transitions,”
JHEP 1605 (2016) 037
[arXiv.org/abs/1512.02830](https://arxiv.org/abs/1512.02830).
100+
- [94] A. Crivellin and Y. Yamada,
“Higgs-bosons couplings to quarks and leptons in the supersymmetric Standard Model with a gauge singlet,”
JHEP 1511 (2015) 056
[arXiv.org/abs/1508.02855](https://arxiv.org/abs/1508.02855).
- [95] A. Crivellin, J. Heeck and P. Stoffer,
“A perturbed lepton-specific two-Higgs-doublet model facing experimental hints for physics beyond the Standard Model,”
Phys. Rev. Lett. 116 (2016) no.8, 081801
[arXiv.org/abs/1507.07567](https://arxiv.org/abs/1507.07567).
100+
- [96] L. Calibbi, A. Crivellin and T. Ota,
“Effective Field Theory Approach to $b \rightarrow s\ell\ell^{(\prime)}$, $B \rightarrow K^{(*)}\nu\nu$ and $B \rightarrow D^{(*)}\tau\nu$ with Third Generation Couplings,”
Phys. Rev. Lett. 115 (2015) 18, 181801
[arXiv.org/abs/1506.02661](https://arxiv.org/abs/1506.02661).
250+
- [97] A. Crivellin, L. Hofer, J. Matias, U. Nierste, S. Pokorski and J. Rosiek,
“Lepton-flavour violating B decays in generic Z' models,”
Phys. Rev. D 92 (2015) 5, 054013
[arXiv.org/abs/1504.07928](https://arxiv.org/abs/1504.07928).
100+
- [98] A. Crivellin, G. D’Ambrosio and J. Heeck,
“Addressing the LHC flavour anomalies with horizontal gauge symmetries,”
Phys. Rev. D 91 (2015) 7, 075006
[arXiv.org/abs/1503.03477](https://arxiv.org/abs/1503.03477).
250+
- [99] A. Crivellin, M. Hoferichter, M. Procura and L. C. Tunstall,
“Light stops, blind spots, and isospin violation in the MSSM,”
JHEP 1507 (2015) 129
[arXiv.org/abs/1503.03478](https://arxiv.org/abs/1503.03478).
50+

- [100] L. Calibbi, A. Crivellin and B. Zaldivar,
“Flavor portal to dark matter,”
Phys. Rev. D 92 (2015) 1, 016004
[arXiv.org/abs/1501.07268](https://arxiv.org/abs/1501.07268).
- [101] A. Crivellin, G. D’Ambrosio and J. Heeck,
“Explaining $h \rightarrow \mu^\pm \tau^\mp$, $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K \mu^+ \mu^- / B \rightarrow K e^+ e^-$ in a two-Higgs-doublet model with gauged $L_\mu - L_\tau$,”
Phys. Rev. Lett. 114 (2015) 151801
[arXiv.org/abs/1501.00993](https://arxiv.org/abs/1501.00993).
250+
- [102] A. Crivellin, U. Haisch and A. Hibbs,
“LHC constraints on gauge boson couplings to dark matter,”
Phys. Rev. D 91, 074028 (2015)
[arXiv.org/abs/1501.00907](https://arxiv.org/abs/1501.00907).
50+
- [103] J. Aebischer, A. Crivellin and C. Greub,
“One-loop SQCD corrections to the decay of top squarks to charm and neutralino in the generic MSSM,”
Phys. Rev. D 91 (2015) 3, 035010
[arXiv.org/abs/1410.8459](https://arxiv.org/abs/1410.8459).
50+
- [104] A. Crivellin and U. Haisch,
“Dark matter direct detection constraints from gauge bosons loops,”
Phys. Rev. D 90 (2014) 11, 115011
[arXiv.org/abs/1408.5046](https://arxiv.org/abs/1408.5046).
- [105] A. Crivellin and S. Pokorski,
“Can the differences in the determinations of V_{ub} and V_{cb} be explained by New Physics?,”
Phys. Rev. Lett. 114 (2015) 011802
[arXiv.org/abs/1407.1320](https://arxiv.org/abs/1407.1320).
50+
- [106] A. Crivellin, M. Hoferichter and M. Procura,
“Improved predictions for $\mu \rightarrow e$ conversion in nuclei and Higgs-induced lepton flavor violation,”
Phys. Rev. D 89 (2014) 9, 093024
[arXiv.org/abs/1404.7134](https://arxiv.org/abs/1404.7134).
50+
- [107] A. Crivellin, F. D’Eramo and M. Procura,
“New Constraints on Dark Matter Effective Theories from Standard Model Loops,”
Phys. Rev. Lett. 112 (2014) 191304

[arXiv.org/abs/1402.1173](https://arxiv.org/abs/1402.1173).

100+

- [108] A. Crivellin, M. Hoferichter and M. Procura,
“Accurate evaluation of hadronic uncertainties in spin-independent WIMP-nucleon scattering:
Disentangling two- and three-flavor effects,”
Phys. Rev. D 89 (2014) 054021
[arXiv.org/abs/1312.4951](https://arxiv.org/abs/1312.4951).
100+
- [109] A. Crivellin, S. Najjari and J. Rosiek,
“Lepton Flavor Violation in the Standard Model with general Dimension-Six Operators,”
JHEP 1404 (2014) 167
[arXiv.org/abs/1312.0634](https://arxiv.org/abs/1312.0634).
100+
- [110] A. Crivellin, A. Kokulu and C. Greub, “Flavor-phenomenology of two-Higgs-doublet models with
generic Yukawa structure,”
Phys. Rev. D 87 (2013) 094031
[arXiv.org/abs/1303.5877](https://arxiv.org/abs/1303.5877).
250+
- [111] A. Crivellin and C. Greub,
“Two-loop SQCD corrections to Higgs-quark-quark couplings in the generic MSSM,”
Phys. Rev. D 87 (2013) 015013
[arXiv.org/abs/1210.7453](https://arxiv.org/abs/1210.7453).
- [112] A. Crivellin, C. Greub and A. Kokulu,
“Explaining $B \rightarrow D\tau\nu$, $B \rightarrow D^*\tau\nu$ and $B \rightarrow \tau\nu$ in a 2HDM of type III,”
Phys. Rev. D 86 (2012) 054014
[arXiv.org/abs/1206.2634](https://arxiv.org/abs/1206.2634).
250+
- [113] A. Crivellin, J. Rosiek, P. H. Chankowski, A. Dedes, S. Jaeger and P. Tanedo,
“SUSY_FLAVOR v2: A Computational tool for FCNC and CP-violating processes in the MSSM,”
Comput. Phys. Commun. 184, 1004 (2013)
[arXiv.org/abs/1203.5023](https://arxiv.org/abs/1203.5023).
50+
- [114] A. Crivellin and L. Mercolli,
“ $B \rightarrow X_d\gamma$ and constraints on new physics,”
Phys. Rev. D 84 (2011) 114005
[arXiv.org/abs/1106.5499](https://arxiv.org/abs/1106.5499).
50+

- [115] A. Crivellin, L. Hofer, U. Nierste and D. Scherer,
“Phenomenological consequences of radiative flavor violation in the MSSM,”
Phys. Rev. D 84 (2011) 035030
[arXiv.org/abs/1105.2818](https://arxiv.org/abs/1105.2818).
- [116] A. Crivellin, L. Hofer and J. Rosiek,
“Complete resummation of chirally-enhanced loop-effects in the MSSM with non-minimal sources of flavor-violation,”
JHEP 1107 (2011) 017
[arXiv.org/abs/1103.4272](https://arxiv.org/abs/1103.4272).
50+
- [117] A. Crivellin,
“Effective Higgs Vertices in the generic MSSM,”
Phys. Rev. D83 (2011) 056001.
[arXiv.org/abs/1012.4840](https://arxiv.org/abs/1012.4840).
50+
- [118] A. Crivellin, J. Girschbach and U. Nierste,
“Yukawa coupling and anomalous magnetic moment of the muon: an update for the LHC era,”
Phys. Rev. D83 (2011) 055009.
[arXiv.org/abs/1010.4485](https://arxiv.org/abs/1010.4485).
- [119] A. Crivellin and M. Davidkov,
“Do squarks have to be degenerate? Constraining the mass splitting with Kaon and D mixing,”
Phys. Rev. D81 (2010) 095004.
[arXiv.org/abs/1002.2653](https://arxiv.org/abs/1002.2653).
- [120] A. Crivellin and J. Girschbach,
“Constraining the MSSM sfermion mass matrices with light fermion masses,”
Phys. Rev. D81 (2010) 076001.
[arXiv.org/abs/1002.0227](https://arxiv.org/abs/1002.0227).
- [121] A. Crivellin and U. Nierste,
“Chirally enhanced corrections to FCNC processes in the generic MSSM,”
Phys. Rev. D81 (2010) 095007.
[arXiv.org/abs/0908.4404](https://arxiv.org/abs/0908.4404).
- [122] A. Crivellin,
“Effects of right-handed charged currents on the determinations of $|V_{ub}|$ and $|V_{cb}|$,”
Phys. Rev. D81 (2010) 031301.
[arXiv.org/abs/0907.2461](https://arxiv.org/abs/0907.2461).
100+
- [123] A. Crivellin and U. Nierste,
“Supersymmetric renormalisation of the CKM matrix and new constraints on the squark mass

matrices,”
Phys. Rev. D79 (2009) 035018.
[arXiv.org/abs/0810.1613](https://arxiv.org/abs/0810.1613).

50+




PhD Thesis

A. Crivellin,
“Non-minimal flavour violation in the MSSM,”
Saarbrücken, Germany: Südwestdeutscher Verlag für Hochschulschriften (2010)

Collaboration and Community Reports

- [1] X. Ai, W. Altmannshofer, P. Athron, X. Bai, L. Calibbi, L. Cao, Y. Che, C. Chen, J. Y. Chen and L. Chen, *et al.*
“Flavor Physics at CEPC: a General Perspective,” [arXiv:2412.19743](https://arxiv.org/abs/2412.19743).
- [2] W. Abdallah *et al.* [CEPC Study Group],
“CEPC Technical Design Report – Accelerator,”
[arXiv.org/abs/2312.14363](https://arxiv.org/abs/2312.14363).
- [3] G. Anzivino, S. A. Cuendis, V. Bernard, J. Bijnens, B. Bloch-Devaux, M. Bordone, F. Brizioli, J. Brod, J. M. Camalich and A. Ceccucci, *et al.*
“Workshop summary – Kaons@CERN 2023,”
[arXiv.org/abs/2311.02923](https://arxiv.org/abs/2311.02923).
- [4] C. Ahdida, G. Arduini, K. Balazs, H. Bartosik, J. Bernhard, A. Boyarsky, J. Brod, M. Brugger, M. Calviani and A. Ceccucci, *et al.*
[arXiv.org/abs/2310.17726](https://arxiv.org/abs/2310.17726)
- [5] T. Bose, A. Boveia, C. Doglioni, S. P. Griso, J. Hirschauer, E. Lipeles, Z. Liu, N. R. Shah, L. T. Wang and K. Agashe, *et al.*
“Report of the Topical Group on Physics Beyond the Standard Model at Energy Frontier for Snowmass 2021,”
[arXiv.org/abs/2209.13128](https://arxiv.org/abs/2209.13128).
- [6] K. M. Black, S. Jindariani, D. Li, F. Maltoni, P. Meade, D. Stratakis, D. Acosta, R. Agarwal, K. Agashe and C. Aimè, *et al.* “Muon Collider Forum Report,”
[arXiv.org/abs/2209.01318](https://arxiv.org/abs/2209.01318).
50+
- [7] W. Altmannshofer *et al.* [PIONEER],
“Testing Lepton Flavor Universality and CKM Unitarity with Rare Pion Decays in the PIONEER experiment,”
[arXiv.org/abs/2203.05505](https://arxiv.org/abs/2203.05505).

- [8] W. Altmannshofer *et al.* [PIONEER],
“PIONEER: Studies of Rare Pion Decays,”
[arXiv.org/abs/2203.01981](https://arxiv.org/abs/2203.01981).
- [9] M. Aiba, A. Amato, A. Antognini, S. Ban, N. Berger, L. Caminada, R. Chislett, P. Crivelli,
A. Crivellin and G. D. Maso, *et al.*
“Science Case for the new High-Intensity Muon Beams HIMB at PSI,”
[arXiv.org/abs/2111.05788](https://arxiv.org/abs/2111.05788).
- [10] O. Fischer, B. Mellado, S. Antusch, E. Bagnaschi, S. Banerjee, G. Beck, B. Belfatto, M. Bellis,
Z. Berezhiani and M. Blanke, *et al.*
“Unveiling Hidden Physics at the LHC,”
[arXiv.org/abs/2109.06065](https://arxiv.org/abs/2109.06065).
50+
- [11] A. Adelman, M. Backhaus, C. C. Barajas, N. Berger, T. Bowcock, C. Calzolaio, G. Cavoto,
R. Chislett, A. Crivellin and M. Daum, *et al.*
“Search for a muon EDM using the frozen-spin technique,”
[arXiv.org/abs/2102.08838](https://arxiv.org/abs/2102.08838).
- [12] T. Aoyama *et al.*,
“The anomalous magnetic moment of the muon in the Standard Model,”
[arXiv.org/abs/2006.04822](https://arxiv.org/abs/2006.04822).
500+
- [13] A. Abada *et al.* [FCC Collaboration],
“FCC-ee: The Lepton Collider : Future Circular Collider Conceptual Design Report Volume 2,”
Eur. Phys. J. ST **228** (2019) no.2, 261.
500+
- [14] A. Abada *et al.* [FCC Collaboration],
“FCC-hh: The Hadron Collider : Future Circular Collider Conceptual Design Report Volume 3,”
Eur. Phys. J. ST **228** (2019) no.4, 755.
250+
- [15] A. Abada *et al.* [FCC Collaboration],
“HE-LHC: The High-Energy Large Hadron Collider Volume : Future Circular Collider Conceptual
Design Report Volume 4,”
Eur. Phys. J. ST **228** (2019) no.5, 1109.
500+
- [16] A. Cerri *et al.*,
“Opportunities in Flavour Physics at the HL-LHC and HE-LHC,”
CERN Yellow Rep. Monogr. **7** (2019), 867-1158,
[arXiv.org/abs/1812.07638](https://arxiv.org/abs/1812.07638).
250+

- [17] A. Abada et al. [FCC Collaboration],
“FCC Physics Opportunities : Future Circular Collider Conceptual Design Report Volume 1,”
Eur. Phys. J. C **79** (2019) no.6, 474.

- [18] E. Kou et al. [Belle-II Collaboration],
“The Belle II Physics Book,”
[arXiv.org/abs/1808.10567](https://arxiv.org/abs/1808.10567).

- [19] B. O’Leary et al. [SuperB Collaboration],
“SuperB Progress Reports – Physics,”
[arXiv.org/abs/1008.1541](https://arxiv.org/abs/1008.1541).


Conference and Workshop Proceedings

- [1] A. Crivellin,
“New Higgses at the Electroweak Scale and Differential $t\bar{t}$ Distributions,” [arXiv.org/abs/2405.15933](https://arxiv.org/abs/2405.15933).
- [2] S. Banik, G. Coloretti, A. Crivellin and B. Mellado,
“Differential $e\mu b\bar{b}$ Cross-Sections and New Higgses at the Electroweak Scale,”
[arXiv.org/abs/2312.01458](https://arxiv.org/abs/2312.01458).
- [3] A. Crivellin,
“Anomalies in Particle Physics,”
[arXiv.org/abs/2304.01694](https://arxiv.org/abs/2304.01694).
- [4] A. Crivellin,
“Explaining the Cabibbo Angle Anomaly,”
[arXiv.org/abs/2207.02507](https://arxiv.org/abs/2207.02507).
- [5] A. Crivellin and M. Hoferichter,
“The Anomalous Magnetic Moment of the Muon: Beyond the Standard Model via Chiral Enhancement,”
[arXiv.org/abs/2207.01912](https://arxiv.org/abs/2207.01912).
- [6] A. Crivellin and J. Matias,
“Beyond the Standard Model with Lepton Flavor Universality Violation,”
[arXiv.org/abs/2204.12175](https://arxiv.org/abs/2204.12175).
- [7] A. Crivellin,
“How different are electrons and muons after all? Discovering lepton flavour universality violating new physics,
EP Newsletter

ep-news.web.cern.ch/content/how-different-are-electrons-and-muons-after-all-discovering-lepton-flavour-universality.

- [8] M. Algueró, A. Crivellin, S. Descotes-Genon, J. Matias and M. Novoa-Brunet, “Anatomy of a new anomaly in non-leptonic B decays,” Proceedings from Moriond EW 2021, arXiv.org/abs/2105.11837.
- [9] C. A. Manzari, A. M. Coutinho and A. Crivellin, “Modified lepton couplings and the Cabibbo-angle anomaly,” arXiv.org/abs/2009.03877.
- [10] A. Crivellin and F. Saturnino, “Explaining the Flavor Anomalies with a Vector Leptoquark (Moriond 2019 update),” arXiv.org/abs/1906.01222.
- [11] A. Crivellin and M. Hoferichter, “Combined explanations of $(g - 2)_\mu$, $(g - 2)_e$ and implications for a large muon EDM,” arXiv.org/abs/1905.03789.
- [12] V. Cirigliano, A. Crivellin and M. Hoferichter, “A no-go theorem for non-standard explanations of the $\tau \rightarrow K_S \pi \nu_\tau$ CP asymmetry,” SciPost Phys. Proc. 1 (2019) 007.
- [13] A. Crivellin, “Explaining the flavor anomalies with the Pati-Salam leptoquarks,” PoS ALPS 2018 (2018) 007.
- [14] A. Crivellin et al., “PSI/UZH Workshop: Impact of $B \rightarrow \mu^+ \mu^-$ on New Physics Searches,” arXiv.org/abs/1803.10097.
- [15] A. Crivellin, “SUSY flavour / Flavour sector in BSM scenarios,” PoS FPCP 2017 (2017) 030.
- [16] A. Crivellin, “New Physics in Flavour Observables,” arXiv.org/abs/1706.00929.
- [17] A. Crivellin, S. Davidson, G. M. Pruna and A. Signer, “Complementarity in lepton-flavour violating muon decay experiments,” arXiv.org/abs/1611.03409.
- [18] L. C. Tunstall, A. Crivellin, G. D’Ambrosio and M. Hoferichter, “Probing lepton flavour (universality) violation at NA62 and future kaon experiments,” arXiv.org/abs/1611.00495.

- [19] A. Crivellin,
“B-anomalies related to leptons and lepton flavour universality violation,”
[arXiv.org/abs/1606.06861](https://arxiv.org/abs/1606.06861).
- [20] A. Crivellin,
“New Physics in the Flavour Sector,”
[arXiv.org/abs/1605.02934](https://arxiv.org/abs/1605.02934).
- [21] A. Crivellin, J. Heeck and P. Stoffer,
“A two-Higgs-doublet model facing experimental hints,”
EPJ Web Conf. 118 (2016) 01014.
- [22] A. Crivellin,
“New Physics in B decays,”
[arXiv.org/abs/1511.04015](https://arxiv.org/abs/1511.04015).
- [23] A. Crivellin,
“Dark Matter: Connecting LHC searches to direct detection,”
PoS PLANCK 2015 (2015) 029.
- [24] A. Crivellin, M. Hoferichter, M. Procura and L. C. Tunstall,
“Dark Matter: Connecting LHC searches to direct detection,”
[arXiv.org/abs/1505.02314](https://arxiv.org/abs/1505.02314).
- [25] A. Crivellin, G. D’Ambrosio and J. Heeck,
“Explaining the LHC flavour anomalies,”
[arXiv.org/abs/1505.02026](https://arxiv.org/abs/1505.02026).
- [26] A. Crivellin,
“ B Decays and Lepton Flavour (Universality) Violation,”
[arXiv.org/abs/1505.01527](https://arxiv.org/abs/1505.01527).
- [27] A. Crivellin,
“Charged Higgs: Interpretation of B -physics results,”
[arXiv.org/abs/1412.2512](https://arxiv.org/abs/1412.2512).
- [28] A. Crivellin,
“Tauonic B decays and Higgs mediated flavour violation,”
[arXiv.org/abs/1410.8557](https://arxiv.org/abs/1410.8557).
- [29] A. Crivellin,
“Challenges for New Physics in the Flavour Sector,”
[arXiv.org/abs/1409.0922](https://arxiv.org/abs/1409.0922).
- [30] A. Crivellin,
“Overview of flavour physics with focus on the MSSM and 2HDMs,”
[arXiv.org/abs/1405.3701](https://arxiv.org/abs/1405.3701).

- [31] A. Crivellin,
“Higgs mediated Flavour Violation in 2HDMs and the MSSM – An Overview,”
[arXiv.org/abs/1405.2838](https://arxiv.org/abs/1405.2838).
- [32] A. Crivellin, C. Greub and A. Kokulu,
“Flavour-violation in two-Higgs-doublet models,”
[arXiv.org/abs/1309.4806](https://arxiv.org/abs/1309.4806).
- [33] A. Crivellin and J. Rosiek,
“SUSY_FLAVOR library for rare decays in the MSSM,”
[arXiv.org/abs/1308.6299](https://arxiv.org/abs/1308.6299).
- [34] A. Crivellin,
“Tauonic B decays in 2HDMs and the MSSM in the decoupling limit,”
[arXiv.org/abs/1212.2561](https://arxiv.org/abs/1212.2561).
- [35] A. Crivellin,
“Rare decays and MSSM phenomenology,”
[arXiv.org/abs/1205.4881](https://arxiv.org/abs/1205.4881).
- [36] A. Crivellin,
“Flavor violation in the MSSM and implications for top and squark searches at colliders,” Linear
Collider 2011, ECT*, Trento, Italy.
[arXiv.org/abs/1201.0197](https://arxiv.org/abs/1201.0197).
- [37] A. Crivellin, L. Hofer and U. Nierste,
“The MSSM with a softly broken $U(2)^3$ flavor symmetry,”
European Conference on Highs Energy Physics Grenoble, 2011.
[arXiv.org/abs/1111.0246](https://arxiv.org/abs/1111.0246).
- [38] A. Crivellin,
“SUSY-Breaking as the Origin of Flavour Violation,”
[arXiv.org/abs/1109.0913](https://arxiv.org/abs/1109.0913).
- [39] A. Crivellin,
“Chirally enhanced corrections in the MSSM,”
[arXiv.org/abs/1107.3579](https://arxiv.org/abs/1107.3579).
- [40] A. Crivellin,
“Chiral Enhancement in the MSSM – An Overview,”
Les Rencontres de Physique de la Vallee d’Aoste, 2011.
[arXiv.org/abs/1106.1187](https://arxiv.org/abs/1106.1187).
- [41] A. Crivellin,
“CKM Elements from Squark Gluino Loops,”
Rencontres de Moriond 2009, La Thuile, Italy.
[arXiv.org/abs/0905.3130](https://arxiv.org/abs/0905.3130).

Invited colloquia

- 18.12.2023 – DESY, Hamburg – Germany
20.12.2023 ○ Particle Colloquium: *Anomalies in Particle Physics*
- 08.06.2023 – University of Bergen, Bergen – Norway
10.06.2023 ○ Colloquium: *Anomalies in Particle Physics*
- 29.11.2022 – Parahyangan Catholic University, Bandung – Indonesia
01.12.2022 ○ Colloquium: *Anomalies in Particle Physics*
- 11.10.2022 – University of Bern, Bern – Switzerland
12.10.2022 ○ Colloquium: *Anomalies in Particle Physics*
- 17.02.2020 – Universidad de La Laguna, Tenerife – Spain
21.02.2020 ○ Colloquium: *Discovering New Physics with Flavour*
- 23.01.2020 – Karlsruhe Institute of Technology, Karlsruhe – Germany
24.01.2020 ○ Colloquium of the Graduiertenkolleg: *Discovering New Physics with Flavour*
- 21.06.2018 Paul Scherrer Institut, Villigen – Switzerland
○ Special NUM colloquium: *B Meson Decays and Lepton Flavour Universality Violation*
- 16.05.2018 – University of Mainz, Mainz – Germany
17.05.2018 ○ PRISMA colloquium: *Explaining the Flavour Anomalies*
- 07.12.2015 – University of Hawaii, Honolulu – USA
11.12.2015 ○ *Flavour Physics in and beyond the Standard Model*

Invited seminars talks

- 28.11.2024 ITP, University of Bern – Switzerland
○ *The 152 GeV Higgs*
- 17.11.2024 MPI, Munich – Germany
○ *New Higgses at the Electroweak Scale*
- 05.11.2024 – Parahyangan Catholic University, Bandung – Indonesia
13.11.2024 ○ *The Standard Model Higgs and Beyond*
- 02.11.2024 – Jiao Tong University, Shanghai – China
04.11.2024 ○ *New Higgses at the Electroweak Scale*
- 30.10.2024 ITP, Chinese Academy of Science, Beijing – China
○ *New Higgses at the Electroweak Scale*

- 29.10.2024 IHEP, Chinese Academy of Science, Beijing – China
 ○ *New Higgses at the Electroweak Scale*
- 17.10.2024 – Hong Kong University of Science and Technology, Hongkong – China
 19.10.2024 ○ *New Higgses at the Electroweak Scale*
- 27.05.2024 University of L'Aquila, L'Aquila – Italy
 ○ *New Higgses at the Electroweak Scale and differential top quark distributions*
- 24.05.2024 La Sapienza, Rome – Italy
 ○ *New Higgses at the Electroweak Scale and differential top quark distributions*
- 22.05.2024 INFN, Frascati – Italy
 ○ *New Higgses at the Electroweak Scale and differential top quark distributions*
- 15.05.2024 INFN, Napoli – Italy
 ○ *New Higgses at the Electroweak Scale and differential top quark distributions*
- 30.04.2024 University of Vienna, Vienna – Austria
 ○ *New Higgses at the Electroweak Scale and differential top quark distributions*
- 29.04.2024 HEPHY, Österreichische Akademie der Wissenschaften, Vienna – Austria
 ○ *Anomalies in Particle Physics*
- 13.12.2023 – UCSC, Santa Cruz – USA
 15.12.2023 ○ *Anomalies in Particle Physics*
- 11.12.2023 UCSB, Santa Barbara – USA
 ○ *Anomalies in Particle Physics*
- 06.12.2023 – UCI, Irvine – USA
 08.12.2023 ○ *Anomalies in Particle Physics*
- 06.03.2023 – University of Sussex, Sussex – Great Britain
 07.03.2023 ○ *Anomalies in Particle Physics*
- 01.11.2022 – INFN Laboratori National di Gran Sasso, L'Aquila – Italy
 03.11.2022 ○ *Anomalies in Particle Physics*
- 23.09.2022 WG1-GLOB Meeting: Analyses of concrete models (remote)
 ○ *Global analyses of Flavor anomalies and implications for future e^+e^- colliders*
- 27.07.2022 Meeting of the Physics Beyond Colliders BSM physics group, CERN, Switzerland
 ○ *Implications of Lepton Flavour Universality Violation for Kaon and Pion Decays*
 (remote)
- 30.06.2022 $g - 2$ Collaboration Meeting, Fermilab, USA
 ○ *B Anomalies and Lepton Flavour Universality Violation* (remote)

- 24.06.2022 14th Particle Physics Phenomenology Workshop (PPP 14), Tamkang University, Taiwan
○ Lecture (remote): *New Physics at the Precision Frontier*
- 07.06.2022 University of Mainz, Germany
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 03.05.2022 University of Freiburg, Germany
○ *Discovering new physics with lepton flavour universality violation*
- 23.02.2022 University of Lisbon, Portugal
○ *Discovering new physics with lepton flavour universality violation* (remote)
- 17.02.2022 NIKHEF, Amsterdam, Netherlands
○ *Implications of $g - 2$ for lepton flavour universality violation* (remote)
- 16.11.2021 KIT, Karlsruhe, Germany
○ *Flavour anomalies and collider observables*
- 16.11.2021 University of Ioannina, Greece
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 12.11.2021 INFN, Naples, Italy
○ *Discovering Lepton Flavour Universality Violating New Physics*
- 27.09.2021 Jefferson Lab, Newport News, USA
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 04.08.2021 University of Sydney, Sydney, Australia
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 15.06.2021 Imperial College, London, Great Britain
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 06.06.2021 Brookhaven National Lab, Brookhaven, USA
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 05.05.2021 ATLAS exotics group, plenary meeting, CERN, Geneva, Switzerland
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 27.04.2021 Elusives-Invisibles Plus Virtual Institute, Madrid, Spain
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 22.04.2021 University of Stavanger, Norway
○ *New Physics implications of $g - 2_\mu$* (remote)
- 14.04.2021 BELLE II physics meeting, KEK, Tsukuba, Japan
○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)

- 23.03.2021 INFN-UNIMI-UNIMIB Pheno Seminar Series, Milano, Italian
 ○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 03.03.2021 Indian Institute of Science, Bengaluru, India
 ○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 22.01.2021 University of Würzburg (remote), Würzburg, Germany
 ○ *Discovering Lepton Flavour Universality Violating New Physics* (remote)
- 18.11.2020 University of Chicago, Chicago, USA
 ○ *Discovering New Physics with Flavour* (remote)
- 23.09.2020 KIAS seminar, Seoul, South-Korea
 ○ *Discovering New Physics with Flavour* (remote)
- 04.09.2020 Seminar of the Shiv Nadar University, Dadri, India
 ○ *Discovering New Physics with Flavour* (remote)
- 06.08.2020 CERN theory seminar, Geneva, Switzerland
 ○ *Discovering New Physics with Flavour* (remote)
- 21.04.2020 On-line “Newton 1665” seminars – phenomenology/theory/astro/cosmo
 ○ *Hadronic vacuum polarization: $(g - 2)_\mu$ versus global electroweak fits*
- 08.01.2020 – HEPHY, Vienna – Austria
 09.01.2020 ○ *Status of the Flavour Anomalies*
- 06.01.2020 – University of Vienna, Vienna – Austria
 07.01.2020 ○ *Status of the Flavour Anomalies*
- 16.12.2019 – University of Bari, Bari – Italy
 20.12.2019 ○ *Status of the Flavour Anomalies*
- 28.11.2019 – University of Nagoya, Nagoya – Japan
 29.11.2019 ○ *Discovering New Physics with Flavour*
- 27.11.2019 – University of Osaka, Osaka – Japan
 27.11.2019 ○ *Discovering New Physics with Flavour*
- 25.11.2019 – National Tsing Hua University, Hsinchu – Taiwan
 26.11.2019 ○ *Discovering New Physics with Flavour*
- 18.11.2019 – National Taiwan University, Taipei – Taiwan
 19.11.2019 ○ *Discovering New Physics with Flavour*
- 15.11.2019 – University of Tokyo, Tokyo – Japan
 16.11.2019 ○ *Discovering New Physics with Flavour*

- 13.11.2019 – KEK, Tsukuba – Japan
14.11.2019 ○ *Discovering New Physics with Flavour*
- 28.10.2019 – University of Lisbon, Lisbon – Portugal
30.10.2019 ○ *Current status of the Flavour Anomalies*
- 17.10.2018 – University of Dresden, Dresden – Germany
19.10.2018 ○ *Explaining the Flavour Anomalies*
- 07.10.2018 – University of Warsaw, Warsaw – Poland
10.10.2018 ○ *Explaining the Flavour Anomalies*
- 14.05.2018 – University of Heidelberg, Heidelberg – Germany
15.05.2018 ○ *Explaining the Flavour Anomalies*
- 14.02.2018 – University of Oxford, Oxford – United Kingdom
16.02.2018 ○ *Signs for New Physics in B decays*
- 16.11.2017 – SLAC, Stanford – USA
17.11.2017 ○ *New Physics in B decays*
- 15.11.2017 – University of California, Irvine – USA
15.11.2017 ○ *New Physics in the B decays*
- 13.11.2017 – University of California, San Diego – USA
14.11.2017 ○ *New Physics in B decays*
- 08.11.2017 – Los Alamos National Laboratory, Los Alamos – USA
10.11.2017 ○ *New Physics in the Flavour Sector*
- 23.10.2017 – University of Barcelona, Barcelona – Spain
27.10.2017 ○ *New Physics in the Flavour Sector*
- 20.06.2017 – National Taiwan University, Taipei – Taiwan
22.06.2017 ○ *New Physics in the Flavour Sector*
- 24.01.2017 – Nikhef, Amsterdam – Netherlands
24.01.2017 ○ *New Physics in the Flavour Sector*
- 17.10.2016 – INFN, Naples – Italy
24.10.2016 ○ *Lepton Flavour (Universality) Violation and B decays*
- 06.01.2016 – University of Mainz, Mainz – Germany
08.01.2016 ○ *B Decays and Lepton Flavour (Universality) Violation*
- 15.12.2015 – University of California, Berkeley – USA
17.12.2015 ○ *New Physics in B decays and Correlations with LHC Searches*

- 07.12.2015 – University of Hawaii, Honolulu – USA
 11.12.2015 ○ *New Physics in B decays and Correlations with LHC Searches*
- 02.12.2015 – Fermi National Lab, Batavia – USA
 04.12.2015 ○ *(New Physics in B decays and Correlations with LHC Searches*
- 30.11.2015 – Argonne National Lab, Argonne – USA
 02.12.2015 ○ *New Physics in B decays and Correlations with LHC Searches*
- 12.11.2015 – University of Barcelona – Spain
 22.11.2015 ○ *New Physics in B decays and Correlations with LHC Searches*
- 07.10.2015 – Laboratoire de Physique Theorique d'Orsay, Orsay – France
 09.10.2015 ○ *New Physics in B Decays and LHC Searches*
- 16.09.2015 – University of Valencia, Valencia – Spain
 18.09.2015 ○ *New Physics in B Decays and LHC Searches*
- 29.07.2015 – Karlsruhe Institute of Technology, Karlsruhe – Germany
 30.07.2015 ○ *Correlating the anomalous magnetic moment of the muon with $R(D^{(*)})$ and $t \rightarrow Hc$*
- 13.07.2015 – LHCb collaboration, CERN, Geneva – Switzerland
 13.07.2015 ○ *B physics anomalies*
- 02.06.2015 – ATLAS collaboration, CERN, Geneva – Switzerland
 02.06.2015 ○ *Implications of the B physics anomalies for collider searches*
- 28.04.2015 – University of Bern – Switzerland
 30.04.2015 ○ *Explaining the LHC flavour anomalies*
- 28.04.2015 – University of Zürich – Switzerland
 30.04.2015 ○ *Explaining the LHC flavour anomalies with horizontal gauge symmetries*
- 11.03.2015 – LHCb collaboration, CERN, Geneva – Switzerland.
 11.03.2015 ○ *Lepton flavor universality violation in B decays and $h \rightarrow \tau\mu$*
- 15.12.2014 – Technical University of Darmstadt – Germany
 16.12.2014 ○ *Effective Field Theory Approach to Flavour and Dark Matter*
- 14.12.2014 – University of Siegen – Germany
 15.12.2014 ○ *Effective Field Theory Approach to Flavour and Dark Matter*
- 09.12.2014 – Universite Libre de Bruxelles – Belgium
 13.12.2014 ○ *Effective Field Theory Approach to Flavour and Dark Matter*
- 14.10.2014 – Universitat Autònoma de Barcelona – Spain
 23.10.2014 ○ *Effective Field Theory Approach to Flavour and Dark Matter*

- 04.04.2013 – University of Basel – Switzerland
 05.04.2013 ○ *Matching of the MSSM on the 2HDM*
- 28.11.2012 – Technical University of Munich – Germany
 29.11.2012 ○ *The MSSM in the decoupling limit*
- 13.03.2012 – University of Warsaw – Poland
 23.03.2012 ○ *Flavour Physics in the MSSM*
- 28.07.2011 – Paul Scherrer Institut, Villigen – Switzerland
 29.07.2011 ○ *Flavor-violation in the MSSM with heavy SUSY particles*
- 16.05.2011 – Max Plank Institute for Physics, Munich – Germany
 18.05.2011 ○ *Chiral enhancement in the MSSM*
- 14.03.2011 – University of Barcelona – Spain
 17.03.2011 ○ *Flavor-violation in the MSSM*
- 04.03.2010 – University of Bern – Switzerland
 05.03.2010 ○ *Non-minimal flavor-violation in the MSSM*
- 03.12.2009 – University of Zürich – Switzerland
 04.12.2009 ○ *A-terms in the MSSM*

Conferences and Workshops

- 22.04.2024 – 15th Particle Physics Phenomenology Workshop, Taipei – Taiwan.
 26.04.2024 ○ Plenary talk: *New Higgses at the Electroweak Scale*
- 08.09.2024 – Higgs Days, Santander – Spain.
 12.09.2024 ○ Plenary talk: *The 152 GeV Higgs*
- 22.04.2024 – New Physics Directions in the LHC era and beyond, MPI Heidelberg – Germany.
 26.04.2024 ○ Plenary talk: *Differential Top Quark Distributions and New Higgses at the Electroweak Scale*
- 19.04.2024 CMS Physics Week, CERN – Switzerland.
 ○ Invited talk: *Explaining $\gamma\gamma + X$ with a Higgs triplet*
- 08.04.2024 – XXXI International Workshop on Deep Inelastic Scattering and Related Subjects
 12.04.2024 (DIS2024), Grenoble – France.
 ○ Invited plenary talk: *Anomalies in Particle Physics*
 ○ Parallel talk: *Differential Top Quark Distributions and New Higgses at the Electroweak Scale*

- 31.03.2024 – Rencontres de Moriond: QCD and High Energy Interactions, La Thuile (AO) – Italy.
07.04.2024 ○ Invited talk: *Differential Top Quark Distributions and New Higgses at the Electroweak Scale*
- 24.03.2024 – Rencontres de Moriond: Electroweak Interactions & Unified Theories, La Thuile
31.03.2024 (AO) – Italy.
○ Invited talk: *New Higgses at the Electroweak Scale*
- 04.03.2024 – EDM workshop, ECT*, Trento – Italy.
08.03.2024 ○ Invited talk: *The Moun EDM and New Higgses at the Electroweak Scale*
- 20.09.2023 – Mini-Workshop on Anomalies at the LHC, Tsung-Dao Lee Institute – China
21.09.2023 ○ Invited talk (remote): *The Multi-lepton anomalies and new scalars at the electroweak scale*
- 19.06.2023 – Physics of the TeV Scale and Beyond the Standard Model (PhysTeV) “Intensifying
30.06.2023 the Quest for New Physics”, Les Houches – France
○ Convener of the light new Higgs working group
- 12.06.2023 – Precision tests of fundamental physics with light mesons, ECT*, Trento – Italy
16.06.2023 ○ Invited talk: *Testing BSM scenarios in low energy systems*
- 17.04.2023 – W mass workshop, CERN – Switzerland
20.04.2023 ○ Invited talk: *Anomalies: The W Mass and Beyond*
- 11.04.2023 – PORTOROZ 2013: Particle Physics from Early Universe to Future Colliders, Portoroz
14.04.2023 – Slovenia
○ Invited talk: *Vector-like Quarks and Leptons*
- 26.03.2023 – ALPS2023: Anomalies in Particle Physics, Obergurgel – Austria
31.03.2023 ○ Organizer
- 16.03.2023 – LHCb Flavour Workshop, Neckarzimmern – Germany
17.03.2023 ○ Invited talk: *B Anomalies after the $R(K^{(*)})$ measurement*
- 07.11.2022 – 8th Symposium on Prospects in the Physics of Discrete Symmetries, DISCRETE
11.11.2022 2022, Baden-Baden – Germany
○ Invited plenary talk: *Anomalies in Particle Physics*
- 24.10.2022 – MITP workshop; Electroweak Precision Physics from Beta Decays to the Z Pole,
28.10.2022 Mainz – Germany
○ Organizer
- 17.10.2022 – Physics of fundamental Symmetries and Interactions - PSI2022, Villigen, Switzerland
21.10.2022 ○ Invited plenary talk: *Why do we want to measure a muon EDM?*

- 14.10.2022 – Muon EDM Workshop, PSI, Switzerland
 15.10.2022 ○ Invited talk: *Why do we need a dedicated Muon EDM experiment?*
- 06.10.2022 – Rare Pion Decay Workshop, Santa Cruz, USA
 08.10.2022 ○ Invited talk (remote): *Discovering New Physics with PIONEER*
- 28.08.2022 – Aspen Center for Physics Workshop: Searching for New Physics from the Nuclear
 18.09.2022 to the LHC Scale and Beyond, Aspen, USA
 ○ Organizer
- 25.07.2022 – 27th International Symposium on Particles, Strings and Cosmology (PASCOS 2022),
 29.07.2022 Heidelberg, Greece
 ○ Invited plenary talk: *Flavour Physics*
- 27.06.2022 – The XXIX International Conference on Supersymmetry and Unification of Funda-
 02.07.2022 mental Interactions (SUSY 2022), Ioannina, Greece
 ○ Invited plenary talk: *Anomalies in Particle Physics*
- 23.05.2022 – Joint Workshop of the CEPC Physics, Software and New Detector Concept in 2022
 25.05.2022 – remote
 ○ Invited talk (remote): *Implications of the Flavour Anomalies for CEPC*
- 12.05.2022 – Physics in LHC and Beyond, Matsue – Japan.
 12.05.2022 ○ Invited talk (remote): *Lepton Flavour Universality Violation*
- 25.04.2022 – Future Flavours: Prospects for Beauty, Charm and Tau Physics ICTS, Bengaluru –
 04.05.2022 India.
 ○ Invited talk (remote): *Theoretical explanations of the anomalies*
- 26.04.2022 – Beyond the Flavour Anomalies III, Durham – Great Britain.
 28.04.2022 ○ Invited talk (remote): *Models Including $g - 2$*
- 19.03.2022 – Rencontres de Moriond QCD, La Thuile (AO) – Italy.
 26.03.2022 ○ Invited talk: *Explaining the Cabibbo Angle Anomaly*
- 21.03.2022 – First Pan-African Astro-Particle and Collider Physics Workshop (remote).
 23.03.2022 ○ Invited plenary talk: *Anomalies in Particle Physics*
- 19.03.2022 – Rencontres de Moriond EW, La Thuile (AO) – Italy.
 26.03.2022 ○ Invited review talk: *Explaining the Cabibbo Angle Anomaly*
- 06.03.2022 – Les Rencontres de Physique de la Vallée d'Aoste, La Thuile — Italy
 12.03.2022 ○ Invited review talk: *New Physics in $(g - 2)_\mu$*
- 16.02.2022- 2nd J-PARC HEF-ex workshop, Japan
 18.02.2022 ○ Invited plenary talk (remote): *Theory Overview of Flavour Physics*

- 22.11.2021- UK HEP Forum 2021: From Laboratories to the Universe and Back
 24.11.2021 ○ Invited talk (remote): *Lepton Flavour (non) Universality*
- 08.11.2021- The 2021 International Workshop on the High Energy Circular Electron Positron
 12.11.2021 Collider
 ○ Invited talk (BSM session): *LFU violation and implications for Future Lepton Colliders*
 ○ Invited talk (Flavour session): *Tests of lepton flavor universality at high-energy e^+e^- colliders*
- 31.10.2021- 14th European Research Conference on Electromagnetic Interactions with Nucleons
 06.11.2021 and Nuclei (EINN 2021)
 ○ Invited talk: *Implications of $(g - 2)_\mu$ for LHC searches*
- 23.08.2021- The XXVIII International Conference on Supersymmetry and Unification of Funda-
 27.08.2021 mental Interactions (SUSY 2021)
 ○ Invited talk: *$g-2$, hadronic vacuum polarization, the electroweak fit and new physics*
- 02.08.2021- A Virtual Tribute to Quark Confinement and the Hadron Spectrum 2021
 06.08.2021 ○ Invited plenary talk: *A BSM perspective on the muon $g - 2$*
- 05.07.2021- Mini-workshop on missing particle signatures and new physics at Belle II and LHCb
 06.07.2021 – remote
 ○ Invited talk: *New Physics Models*
- 21.06.2021- LIO international conference on Future colliders and the origin of mass, Lyon –
 25.06.2021 France
 ○ Invited talk (remote): *Lepton Flavour Universality Violation and Implications for Future Colliders*
- 21.06.2021- LHCP 2021: The Ninth Annual Large Hadron Collider Physics Conference, Paris –
 25.06.2021 France
 ○ Invited plenary talk (remote): *Heavy flavour - theory*
- 31.05.2021- $g - 2$ Days 2021, Remote Workshop
 04.06.2021 ○ Invited Talk: *$(g - 2)_\mu$ and Lepton Flavour Universality Violation*
- 30.04.2021 Rapid Response Workshop on Muon $g - 2$, Taipei – Taiwan
 ○ Invited Talk (remote): *New Physics in $g - 2$*
- 20.04.2021 – Beyond the Flavour Anomalies II, Durham – Great Britain
 22.04.2021 ○ Invited talk (remote): *What happens if one or more of the anomalies go away?*
- 01.03.2021 – Unveiling Hidden Physics Beyond the Standard Model at LHC (500+ participants)
 03.03.2021 ○ Member of the organizing committee
 ○ Invited talk (remote): *Lepton Flavour Universality Violating Anomalies*

- 26.10.2020 – Higgs 2020, Online conference.
 30.10.2020 ○ Talk (remote): *Correlating the anomalous magnetic moment of the muon to $h \rightarrow \mu^+ \mu^-$*
- 26.10.2020 – CEPC workshop, Shanghai – China.
 28.10.2020 ○ Invited talk (remote): *Leptoquarks at Future $e^+ e^-$ Colliders*
- 04.11.2019 – GDR-InF annual workshop, Sommieres – France.
 06.11.2019 ○ Invited review talk (remote): *New Physics Explanations of the Flavour Anomalies*
- 20.10.2019 – PSI 2019: Physics of fundamental symmetries and interactions, Villigen – Switzerland.
 25.10.2019
 ○ Talk: *Combined explanations of $(g - 2)_\mu$, $(g - 2)_e$ and implications for a large muon EDM*
- 09.09.2019 – INT program: Hadronic contributions to $(g - 2)_\mu$, Seattle – USA.
 09.09.2019 ○ Invited talk: *a_μ : Beyond the Standard Model*
- 19.08.2019 – INT program: Heavy-Quark Physics and Fundamental Symmetries, Seattle – USA.
 06.09.2019 ○ Organizer
 ○ Talk: *New Physics (overview)*
- 02.07.2019 – CHIPP planary meeting, Kandersteg – Switzerland.
 03.07.2019 ○ Board meeting
- 01.07.2019 CMS BPH Workshop 2019, CERN, Geneva – Switzerland.
 ○ Invited talk: *CMS opportunities with parked B data*
- 03.06.2019 – International Conference: From the Planck Scale to the Electroweak Scale
 07.06.2019 (PLANCK), Granada – Spain.
 ○ Invited plenary talk: *Explaining the Flavour Anomalies*
- 13.05.2019 – MIAPP workshop: Beyond the Standard Model with Precision Flavour Experiments,
 24.05.2019 Munich – Germany.
 ○ Invited talk: *New physics models for the flavour anomalies*
- 22.04.2018 – Alps 2019: Fourth Alpine LHC Physics Summit, Obergurgl – Austria
 27.04.2019 ○ Talk: *The magnetic moments of muon and electron and implications for a large muon EDM*
- 07.04.2019 – Precision era in High Energy Physics, Portoroz – Slovenia.
 10.04.2019 ○ Invited talk: *$b \rightarrow s \ell^+ \ell^-$ in Two-Higgs-Doublet Models*
- 23.03.2019 – XILV Rencontres de Moriond QCD, La Thuile (AO) – Italy.
 30.03.2019 ○ Invited talk: *Explaining the Flavour Anomalies with the Pati-Salam Leptoquark*
- 17.03.2019 – Les Rencontres de Physique de la Vallee d'Aoste, La Thuile — Italy
 24.03.2019 ○ Invited talk: *$g-2$ Anomalies*

- 15.11.2018 – WPI-next mini-workshop: Hints for New Physics in Heavy Flavours, Nagoya – Japan.
 15.11.2018 ○ Invited talk (remote): *Explaining the hints for Lepton Flavour Universality Violation in B meson decays*
- 22.10.2018 – CERN Workshop on high-energy implications of flavor anomalies, Geneva – Switzerland.
 24.10.2018 ○ Invited talk: *Importance of Loop Effects in Leptoquark Models*
- 12.10.2018 – Workshop on future muon EDM searches at Fermilab and worldwide, Liverpool – United Kingdom.
 12.10.2018 ○ Invited talk (remote): *Combined explanations of $(g - 2)_{\mu,e}$ and implications for a large muon EDM*
- 20.10.2018 – Workshop on high energy implications of the flavour anomalies , CERN – Switzerland.
 26.10.2018 ○ Invited talk: *Importance of loop effects for leptoquark models*
- 17.09.2018 – International Workshop on the CKM Unitarity Triangle (CKM2018), Heidelberg – Germany.
 21.09.2018 ○ Invited talk: *$b \rightarrow s\tau^-\tau^+$ processes as a probe of New Physics*
- 03.09.2018 – Invisibles workshop, Karlsruhe – Germany.
 07.09.2018 ○ Invited talk: *Overview on B Anomalies and their Possible Interpretations*
- 12.08.2018 – PSI Summer School 2018: Flavour Fever, Zuz – Switzerland.
 18.08.2018 ○ (Member of the organizing committee)
- 04.06.2018 – 6th Large Hadron Collider Physics Conference (LHCP 2018), Bologna – Italy.
 09.06.2018 ○ Invited talk: *Explaining the Flavour Anomalies with Leptoquarks*
- 15.04.2018 – Alps 2018: Third Alpine LHC Physics Summit, Obergurgl – Austria
 20.04.2018 ○ Invited talk: *Explaining the Flavour Anomalies with Leptoquarks*
- 03.04.2018 – SWICH First CHIPP Strategic Workshop, Murten – Switzerland
 06.04.2018
- 17.03.2018 – XLV Rencontres de Moriond QCD, La Thuile (AO) – Italy.
 24.03.2018 ○ Invited talk: *Explaining the Flavour Anomalies with Leptoquarks*
- 18.12.2017 – Workshop: Impact of $B \rightarrow \mu^+\mu^-$ on New Physics searches, Villigen, PSI – Switzerland
 19.12.2017
 ○ Main organizer
 ○ Summary talk: *Conclusions and Outlook*
- 25.09.2017 – Workshop: Flavour and Dark Matter, Heidelberg – Germany
 28.09.2017 ○ Invited talk: *The Flavour Portal to Dark Matter*
- 02.09.2017 – Workshop on the Standard Model and Beyond, Corfu – Greece
 10.09.2017 ○ Invited talk: *Explaining the Flavour Anomalies with New Physics*

- 21.08.2017 – Joint Annual Meeting of SPS and ÖPG, Geneva – Switzerland
 25.08.2017 ○ Talk: *Flavour Physics in the Light of the Recent Anomalies*
- 25.06.2017 – Gordon Research Conference: Pushing the Frontiers of Particle Physics During the
 30.06.2017 LHC Run II Era, Hong Kong – China
 ○ Invited overview talk: *Flavour Physics in the Light of the Recent Anomalies*
- 05.06.2017 – Conference: Flavor Physics and CP Violation 2017, Prague – Czech Republic
 09.06.2017 ○ Invited talk: *SUSY flavor / Flavor sector in BSM scenarios*
- 22.05.2017 – International Conference: From the Planck Scale to the Electroweak Scale
 27.05.2017 (PLANCK), Warsaw – Poland.
 ○ Invited plenary talk: *New Physics in the Flavour Sector*
- 17.05.2017 – Instant workshop on B meson anomalies, CERN – Switzerland.
 19.05.2017 ○ Invited talk: *Correlations between $R(K^{(*)})$ and $R(D^{(*)})$*
- 18.04.2017 – New Physics and the junction of flavour and collider phenomenology, Portoroz –
 21.04.2017 Slovenia.
 ○ Invited talk: *Explaining the flavour anomalies*
- 18.03.2017 – XLIV Rencontres de Moriond Electroweak Interactions and Unified Theories, La
 25.03.2017 Thuile (AO) – Italy.
 ○ Invited talk: *New Physics explanations of the $b \rightarrow s\mu^+\mu^-$ anomalies*
- 05.03.2017 – Les Rencontres de Physique de la Vallée d'Aoste, La Thuile, Italy
 11.03.2017 ○ Invited talk: *New Physics in Flavour Observables*
- 12.10.2016 – CERN workshop: Implications of LHCb measurements and future prospects, Geneva
 14.10.2016 – Switzerland.
 ○ Invited talk: *Experimental signatures at LHCb of NP models addressing the B-anomalies*
- 26.09.2016 – HC2NP: Hadronic Contributions to New Physics Searches, Puerto de la Cruz,
 30.09.2016 Tenerife – Spain.
 ○ Invited talk: *New physics interpretations of flavor anomalies*
- 21.08.2016 – Aspen Physics Center Workshop: The LHC Awakens: A New Energy Frontier, Aspen
 04.09.2016 – USA.
- 14.08.2016 – PSI Summer School 2016: Exothiggs, Zuoz – Switzerland.
 20.08.2016 ○ Member of the organizing committee
- 07.06.2016 – SWHEPPS 2016: Strategy Workshop on High-Energy Particle Physics in Switzerland,
 09.06.2016 Aegerisee – Switzerland.
 ○ Invited talk: *Implications of the flavour anomalies*

- 15.05.2016 – Higgs Tasting Workshop 2016, Benasque – Spain.
 21.05.2016 ○ Invited talk: *B-flavour anomalies (NP interpretations)*
- 02.05.2016 – BEAUTY 2016, The 16th International Conference on B-physics at Frontier Machines,
 06.05.2016 Marseille – France.
 ○ Invited plenary talk: *B-Anomalies related to leptons and LFUV*
- 27.04.2016 – LHCb workshop on semi-tauonic decays, CERN – Switzerland.
 29.04.2016 ○ Invited talk: *Lepton Flavour Universality: An Outlook*
- 18.04.2016 – Rare B decays: Theory and Experiment 2016, Barcelona – Spain.
 20.04.2016 ○ Invited talk: *New Physics in $b \rightarrow s\mu^+\mu^-$ and $b \rightarrow c\tau\nu$*
- 10.04.2016 – LHCSKI2016, A first discussion of the 13 TeV results, Obergurgel – Austria.
 15.04.2016 ○ Invited review talk: *New Physics in the flavour sector*
- 19.03.2016 – XLVII Rencontres de Moriond, QCD and High Energy Interactions, La Thuile (AO)
 26.03.2016 – Italy.
 ○ Invited talk: *New Physics in the flavour sector*
- 10.01.2016 – Particle Physics at the Verge of another Discovery, Aspen – USA.
 16.01.2016 ○ Invited talk: *New Physics in the flavour sector*
- 24.10.2015 – Fourth Workshop on Flavour Physics in the LHC era (REFIS), Valencia – Spain.
 31.10.2015 ○ Invited talk: *New Physics in B decays and LHC searches*
- 24.10.2015 – The Standard Theory and Beyond in the LHC Era - 2015, Albufeira – Portugal.
 31.10.2015 ○ Invited talk: *New Physics in the Flavor Sector at the LHC*
- 10.09.2015 – Flavour Changing and Flavour Conserving Processes (FCCP), Anacapri – Italy.
 12.09.2015 ○ Invited talk: *New Physics in B decays*
- 25.05.2015 – International Conference: From the Planck Scale to the Electroweak Scale
 29.05.2015 (PLANCK), Ioannina – Greece.
 ○ Talk: *Effective Field Theory approach to Dark Matter*
- 07.04.2015 – Probing the Standard Model and New Physics at Low and High Energies, Portoroz
 10.04.2015 – Slovenia.
 ○ Invited talk: *Explaining the LHC flavour anomalies*
- 22.03.2015 – XLVII Rencontres de Moriond, QCD and High Energy Interactions, and XLVII
 29.03.2015 Rencontres de Moriond, Gravitation, La Thuile (AO) – Italy.
 ○ Invited talk: *Explaining $B \rightarrow K^*\mu^+\mu^-$, $B \rightarrow K\mu^+\mu^-/B \rightarrow Ke^+e^-$ and $h \rightarrow \mu\tau$.*
 ○ *Interplay of LHC and direct detection in the search for Dark Matter*

- 14.03.2015 – XLVII Rencontres de Moriond, Electroweak Interactions and Unified Theories, La Thuile (AO) – Italy.
 21.03.2015 ○ Invited talk: *Implications of lepton flavour universality violation in B decays*
- 01.03.2015 – Les Rencontres de Physique de la Vallée d'Aoste, La Thuile, Italy
 07.03.2015 ○ Invited talk: *Explaining the LHC flavour anomalies*
- 23.02.2015 – New Physics at Belle II, Karlsruhe, Germany
 25.02.2015 ○ Invited talk: $B \rightarrow D^{(*)}\tau\nu$ in 2HDMs, and talk with the title: $B \rightarrow K^{(*)}\ell^+\ell^-$ with gauged $L_\mu - L_\tau$
- 16.09.2014 – Workshop: Prospects for Charged Higgs discoveries at colliders, Uppsala – Sweden
 18.09.2014 ○ Invited review talk: *Interpretation of B physics results*
- 08.09.2014 – International Workshop on the CKM Unitarity Triangle (CKM2014), Vienna – Austria
 12.09.2014 ○ Invited talk: *Charged Higgs effects in tauonic B decays*
- 08.07.2014 – Workshop: Probing the TeV scale and beyond, Mainz – Germany
 25.07.2014 ○ Invited talk: *Effective field theory for flavour and dark matter*
- 26.05.2014 – Conference: Flavor Physics and CP Violation 2014, Marseilles – France
 30.05.2014 ○ Invited plenary talk: *Challenges for New Physics in the Flavor Sector*
- 22.03.2014 – XLVI Rencontres de Moriond, QCD and High Energy Interactions, La Thuile (AO) – Italy.
 29.03.2014 ○ Invited overview talk: *Overview of flavour physics with focus on the MSSM and 2HDMs*
- 23.02.2014 – Les Rencontres de Physique de la Vallée d'Aoste, La Thuile, Italy
 01.03.2014 ○ Talk: *New Physics in the Flavor Sector*
- 09.12.2013 – Workshop: Towards the construction of the fundamental theory of flavour, Munich
 13.12.2013 – Germany
 ○ Invited talk: *Flavour Phenomenology of 2HDMs*
- 02.12.2013 – 7th Annual Workshop of the Helmholtz Alliance: Physics at the Terascale, Karlsruhe
 04.12.2013 – Germany
 ○ Talk: *The MSSM in the decoupling limit: the 2HDM of type III*
- 30.09.2013 – 5th Bethe Center Workshop LHC Run1 Aftermath: Where Theory Meets Experiment,
 03.10.2013 Bad Honnef – Germany
 ○ Talk: *The 2HDM of type III and the MSSM in the decoupling limit*
- 18.07.2013 – EPS 2013, Stockholm – Sweden
 24.07.2013 ○ Talk: *Flavour-violation in two-Higgs-doublet models*

- 15.04.2013 – Probing the Standard Model and New Physics at Low and High Energies, Portoroz
18.04.2013 – Slovenia.
○ (Invited talk: *The MSSM in the decoupling limit*)
- 10.03.2013 – Higgs Quo Vadis, Aspen – USA.
15.03.2013 ○ Talk with the title: *Flavour violation in 2HDMs*
- 08.10.2012 – Charged Higgs, Uppsala – Sweden.
11.10.2012 ○ Talk: *Tauonic B decays in THDMs of type III*
- 13.09.2012 – CHIPP plenary meeting, Ittingen – Switzerland.
14.09.2012 ○ Invited talk: *LHC physics and indirect searches for new physics*
- 31.05.2012 – 4th SuperB Collaboration Meeting, La Biodola, Elba Island – Italy.
05.06.2012 ○ Invited talk: *New Physics effects in the determination of V_{ub}*
- 26.03.2012 – SM4 and Single-top, Leinsweiler – Germany
28.03.2012 ○ Invited talk with the title: *The V_{ub} problem and single-top production in the MSSM*
- 03.03.2012 – XLIV Rencontres de Moriond, Electroweak Interactions and Unified Theories, La
10.03.2012 Thuile (AO) – Italy.
○ Invited talk: *Rare decays and MSSM phenomenology*
- 21.07.2011 – LC11: understanding QCD at Linear Colliders in searching for old and new physics,
27.07.2011 Trento – Italy
○ Talk: *Flavour violation in the MSSM and implications for top and squark searches at colliders*
- 21.07.2011 – EPS 2011, Grenoble – France
27.07.2011 ○ Talk: *Radiative flavour violation in the MSSM*
- 11.04.2011 – The Role of Heavy Fermions in Fundamental Physics 2011, Portoroz – Slovenia
14.04.2011 ○ Talk: *Complete resummation of chirally enhanced corrections in the general MSSM*
- 27.02.2011 – Les Rencontres de Physique de la Vallée d'Aoste, La Thuile – Italy
05.03.2011 ○ Talk: *Chirally enhanced self-energies in the MSSM*
- 08.09.2010 – EuroFlavour 2010, Munich – Germany
10.09.2010 ○ Invited review talk: *Non-minimal flavour violation in the MSSM*
- 23.08.2010 – 18th International Conference on Supersymmetry and Unification of Fundamental
28.08.2010 Interactions (SUSY), Bonn – Germany
○ Talk: *Radiative Flavour Violation in the MSSM*

- 14.12.2009 – Workshop on the interplay between flavour and collider physics 2009, CERN, Geneva
16.12.2009 – Swizerland
○ Talk: *Right-handed W coupling and single-top production*
- 01.12.2009 – XI SuperB Workshop 2009, Frascati –Italy
04.12.2009 ○ Talk: *Right-handed charged currents in the MSSM*
- 09.11.2009 – EuroFlavour 2009, Bari – Italy
11.11.2009 ○ Invited talk: *A-terms and chiral enhancement in the MSSM*
- 07.03.2009 – XLIV Rencontres de Moriond, Electroweak Interactions and Unified Theories, La
14.03.2009 Thuile (AO) – Italy.
○ Invited talk: *CKM elements from squark-gluino loops*
- 22.09.2008 – EuroFlavour 2008, Durham – Great Britain.
26.09.2008 ○ Invited talk: *New Constraints on the squark-mass-matrices of the MSSM*
- 26.07.2007 – 15th International Conference on Supersymmetry and Unification of Fundamental
01.08.2007 Interactions (SUSY), Karlsruhe – Germany.
○ Member of the organizing committee