

Sabine Kraml

Born on 19 July 1971 in Steyr, Austria. Nationality: Austria.

Contact details

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Professional career

2024 Senior researcher exceptional class (DRCE1) of the CNRS, LPSC Grenoble.
2018 Senior researcher 1st class (DR1) of the CNRS, LPSC Grenoble.
2012 Senior researcher 2nd class (DR2) of the CNRS, LPSC Grenoble.
2007 Junior researcher 1st class (CR1) of the CNRS, LPSC Grenoble.
2007 Habilitation, Leopold-Franzens University Innsbruck, Austria.
2003–2007 Postdoctoral researcher, Austrian Academy of Sciences, based at CERN.
2001–2003 Fellow in the CERN Theory Division.
1997–2001 Research fellow, Institute for High Energy Physics, Austria.
1994–1999 PhD in theoretical physics, Vienna University of Technology, Austria.

Awards

2025 Mercator Fellow, Univ. Würzburg, Germany
2016 Prime d'encadrement doctoral et de recherche, CNRS.
2011 Prime d'excellence scientifique, CNRS.
2008 Elected young member of the Austrian Academy of Sciences (now alumni status).
2005 APART¹ habilitation grant of the Austrian Academy of Sciences.

Institutional responsibilities

since 2025 CNRS Comité National (CoNRS),² Section 04 – Interactions, particles, nuclei, from the laboratory to the cosmos; mandate for four years
since 2025 Management Committee, COST Action CA24146 “Machine Learning and Quantum Computing for Future Colliders”.
2012–2015 CNRS Comité National (CoNRS),² Section 02 – Theoretical physics.
2011–2015 Head of the LPSC theory group.
2011–2014 Committee for preselection of CERN fellows, France.
2010–2013 Conseil scientifique & conseil d'unité, LPSC Grenoble, France.
2008–2012 Committee for financing theoretical physics in IN2P3 (CFT), France.

Organization of workshops, conferences and schools

since 2025 Theory convener, LHC Reinterpretation Working Group (LHC REI WG), CERN.
since 2023 Co-convener, Methods and Tools Working Group, IRN Terascale (international network).
since 2016 Main organiser, Forum on the interpretation of the LHC results for BSM studies, CERN.
since 2016 Co-organiser, Vietnam School of Physics, Quy Nhon, Vietnam (bi-annually).
2007–2023 Local organising committee, Physics at TeV Colliders, Les Houches, France (bi-annually).
2023 Program committee, Large Hadron Collider Physics (LHCP 2023) conference.
2021 Organizer, Publication of statistical models: hands-on workshop, CERN/online
2019 Co-convener, SUSY 2019, Corpus Christi, TX, USA.
2017 Co-organiser, LHC Chapter II: the Run for New Physics, Natal, Brasil.

¹Austrian Programme for Advanced Research and Technology

²The National Committee for Scientific Research, which is in charge of the recruitment and evaluation of researchers.

2016–2021 Working group convener, LIA THEP (Indo-French High Energy Physics Collaboration).
2016 Organiser, Bethe Forum “Beyond the standard Higgs system”, Bonn, Germany.
2016 Scientific advisory committee, LHC-Ski: A first discussion of 13 TeV results, Obergurgl, Austria.
2015–2016 Co-convener, Task force on Higgs fiducial cross sections, LHC HXSWG, CERN.
2015 Co-convener, SUSY 2015, Lake Tahoe, CA, USA.
2012–2014 Organiser, Implications of the 125 GeV Higgs boson, Grenoble, France.
2012 Convener, Implications of LHC Results for TeV Scale Physics, CERN.
2009–2012 Co-convener, Methods and Tools Working Group, GDR Terascale (national network), France.
2006–2012 Scientific adv. comm., Prospects for Charged Higgs Discovery at Colliders, Uppsala, Sweden.
2007–2011 Organizer, Workshop on the Interplay between Collider and Flavour Physics, CERN.
2007 Organizer, CERN Theory Institute on LHC–Cosmology Interplay, CERN.
2007 Local organising committee, Rencontres de Physique des Particules, Grenoble, France.
2004–2005 Organizer, Workshop on CP Studies and Non-standard Higgs Physics, CERN and SLAC.
2004 Scientific secretary, Physics at LHC, Vienna, Austria.
2002–2007 Co-founder and organiser of the CERH-TH Journal Club on Phenomenology, CERN.

Commissions of trust

Peer-review: for CPC, EPJC, IJMPA, JHEP, PLB, PRD, PRL, and SciPost Phys.
Project evaluations: for ANVUR/Italy, DFG/Germany, DOE/USA, FNRS/Belgium, FWF/Austria, NRD/Hungary, NWO/The Netherlands, STFC/UK.
Juries: referee and/or examiner for a variety of PhD and habilitation juries in France and worldwide.

Editorial responsibilities

since 2024 Member of SciPost’s Editorial College in Physics.
2025 Co-editor, Reinterpretation and preservation of data and analyses in HEP, community white paper, European Strategy for Particle Physics Update 2026, CERN-LPCC-2025-002, arXiv:2504.00256.
2022 Chief editor, Data and Analysis Preservation, Recasting, and Reinterpretation, invited white paper, Snowmass 2021 Community Planning Exercise, arXiv:2203.10057.
2021 Chief editor, Publishing statistical models: Getting the most out of particle physics experiments, arXiv:2109.04981, SciPost Phys. 12, 037 (2022).
2019–2020 Chief editor, Reinterpretation of LHC Results for New Physics: Status and Recommendations after Run 2, arXiv:2003.07868, SciPost Phys. 9, 022 (2020).
2017–2018 Section editor, Searching for Long-Lived Particles at the LHC: White Paper of the LHC LLP Community, CERN, arXiv:1903.04497, J. Phys. G 47 (2020) 9, 090501.
2016 Section editor, Handbook of LHC Higgs Cross Sections: 4. Deciphering the Nature of the Higgs Sector, CERN-2017-002-M.
2012 Co-editor, Implications of LHC Results for TeV Scale Physics, CERN report submitted to the European Strategy Group.
2012 Topical editor, CLIC Conceptual Design Report, CERN-2012-003.
2006 Editor-in-chief, Workshop on CP Studies and Non-standard Higgs Physics, CERN-2006-009.
2004 Co-editor, ECFA/CERN studies of a European neutrino factory complex, CERN-2004-002.

Outreach

2025 Interview with Martin Dunst, *OÖ Nachrichten*: “Naturgesetze zu erforschen ist ein grosses Abenteuer” (article in German, 10 Jan 2025).
2021 CERN Courier issue May/June 2021: *LHC reinterpreters think long-term* (invited article).
2020 Interview with science journalist Stephanie Melchor, article in Fermilab’s *Symmetry* magazine.
2016 Interview and portrait by cartoonist Lison Bernet for the *BD du LHC*, <https://goo.gl/zg5Nmr>.
2015–2016 Coached the project *Passionate About* of photographer Bree Corn, <http://passionate-about.com>.
2014–2015 Interview and portrait by photographer Patrick Dumas for the 60th anniversary of CERN; used in exhibition *Experts en la matière – Regards sur le Cern* in the Palais de la Découverte, Paris, and the web-documentary *Expérience Cern 360*, <http://experience-cern360.fr>.