Gianfranco Bertone – CV

CONTACT

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POSITIONS HELD

Full Professor **Oct 2019 – present**

Institute of Physics, U. of Amsterdam, NL

Director **July 2019 – Jan 2024**

European Consortium for Astroparticle Theory (EuCAPT)

Visiting Professor **Feb 2024 – present**

Department of Physics, Columbia U. (NY, USA)

Fellow **Feb 2024 – present**

Italian Academy for Advanced Studies in America, Columbia U. (NY, USA)

Spokesperson **Mar 2014 – July 2019**

Amsterdam Center of Excellence in Gravitation and Astroparticle Physics (GRAPPA)

Associate Professor **Oct 2011 – Sep 2019**

Institute of Physics, U. of Amsterdam, NL

Visiting Professor **Oct 2009 – Oct 2011**

Institute for Theoretical Physics, U. of Zürich, CH

Coordinator of the Theoretical Physics group **Nov 2007 – Sep 2009**

Institut d'Astrophysique de Paris, France

Permanent CNRS Researcher (on leave since 2009) **Apr 2006 – Apr 2024**

Institut d'Astrophysique de Paris, France

Helmholtz Association IVF Fellow **Oct 2005 – Mar 2007**

Department of Physics, U. of Padova, Italy

Research Associate **Oct 2003 – Sep 2005**

Particle Astrophysics Center, Fermilab, Chicago USA
Associate Fellow at Center for Cosmological Physics, U. of Chicago

EDUCATION

PhD in Astrophysics, with honours (*félicitations du Jury*) **Sep 2000 – Sep 2003**

Institut d'Astrophysique de Paris. Advisors: G. Sigl and J. Silk

Marie Curie visiting PhD student **Sep 2000 – Sep 2001**

University of Oxford, UK

MSc (Diplôme d'études approfondies) in Astrophysics **Sep 1999 – Aug 2000**
Observatoire de Paris-Meudon, , Paris, France

MSc (Diploma di Laurea) in Theoretical Physics **Sep 1993 – July 1999**
U. of Rome "La Sapienza", Italy

Awards, Grants and Fellowships

PI, **ERC Advanced Grant** *De Tenebris*	2026-2031
San Giorgio d'Oro Award, Reggio Calabria, Italy	2024
Italian Academy Fellow, Columbia U. New York, NY USA	2024
Rhegium Julii Prize for best non-fiction book	2019
Ciel et Espace Prize for best astronomy book	2015
Member of the **Young Academy of Europe** (YAE)	2012 - present
PI, **NWO M2 program** "GW probes of dark matter"	2019 - 2023
Co-I, **NWO program** "GW: a new road to phys., astrophys. and cosmology"	2019 - 2023
PI, **Institute of Physics grants**	2017, 2018, 2020
PI, **Delta Institute for Theoretical Physics grants**	2013, 2016
PI, **ERC Starting Grant** *WIMPS Kairos*	2011-2016
Scientist-in-charge, **Marie Curie fellowships**	2009-2011, 2014-2016
Co-I, **FOM Program**	2013 - 2018
Co-I, **NASA Fermi Guest Investigator** Cycle II Program	2009 - 2010
Co-I, **ANR project** *ToolsDMColl*	2008 - 2011
CNRS **Physique des 2 Infinis** grant	2008 - 2010
Helmholtz Association of National Research Centres Fellowship	2005 - 2007
Supported by Fermilab, DEAC02-76CH03000, and by NASA, NAG5-10842	2003 - 2005
Allocation de Recherche (French Government fellowship)	2000 - 2003
Marie Curie Visiting PhD Student at the U. of Oxford	2000 - 2001

Professional Activities

Director, European Consortium for Astroparticle Theory (EuCAPT)	2019-2024
Panel member, European Research Council (ERC) grant evaluation	
Editor-in-chief, *Physics of the Dark Universe,* Elsevier	2011 - 2017

Topic Leader, "Dark matter and primordial Black Holes" COST Action CA16104 *Gravitational waves, black holes and fundamental physics* (GWVerse) 2017-2021

Editorial Fellow, SciPost open access publication portal 2019-present

Member, Committee for Astroparticle physics in the Netherlands (CAN) 2013 - 2019

Member, *Physics Research Committee* advisory board, DESY, Germany 2017 - 2019

Member, Scientific Committee, International School on AstroParticle Physics (ISAPP) - European Doctorate School 2014 - 2018

Member, External Advisory Committee, International Doctorate in Particle Physics, Astrophysics and Cosmology (IDPASC) 2014 - present

Member, Astroparticle Commission, Int. Union of Pure and Appl. Phys. (IUPAP) 2012 - 2014

Member, Mid-term evaluation committee, Helmholtz Alliance for Astroparticle Physics, Germany 2014

Member Evaluation Panel NWO Vidi Grants in Physics 2014

Chair Faculty Search committee, U. of Amsterdam 2012-2013, 2017-2018

Organizer, UvA Institute of Physics Colloquia 2012-present

Short Term Associate, ATLAS collaboration at CERN 2014 - 2015

Coordinator of Dark Matter studies, French network 'GdR Terascale' 2007 - 2011

Coordinator of Indirect Dark Matter searches, Spanish network 'MultiDark' 2010 - present

Coordinator of the Theoretical Physics group, Institut d'Astrophysique de Paris 2007 - 2009

Member of the *Conseil de Laboratoire*, Institut d'Astrophysique de Paris 2009 - 2011

Associate scientist, Fundacao para a Sciencia e a Tecnologia, Portugal 2001 - 2002

Member, European Network "Supersymmetry and Early Universe" 2000 - 2002

Expert reviewer for:

ERC, European Research Council, EU

NSF, National Science Foundation, USA

ASI, Italian Space Agency; ANVUR; MIUR, Italy

NSERC, Natural Sciences and Engineering Research Council of Canada

STFC, Science and Technology Facilities Council, UK

ANR, Agence Nationale pour la Recherche, France

NWO, Organisation for Scientific Research, Netherlands

Manuscript referee, *Nature, Science, Phys.Rev.Lett., Phys.Rev. D., JCAP, Mon.Not.Roy.Astron.Soc., Astrophys. Journal, Astron. & Astrophys., JHEP and Phys.Lett. B* 2000 - present

Organization of Conferences, Seminars and Journal Clubs

Founder and chair of the conference series **TeV Particle Astrophysics**, held at

Fermilab, Batavia IL, USA	2005
U. of Wisconsin, Madison WI, USA	2006
Istituto Veneto, Venice, Italy	2007
IHEP, Beijing, China	2008
SLAC, Stanford U., Palo Alto CA, USA	2009
IAP Paris, France	2010
U. of Stockholm, Sweden	2011
TIFR Mumbai, India	2012
University of California, Irvine, USA	2013
University of Amsterdam, NL	2014
University of Tokyo, Japan	2015
CERN	2016
Ohio State University, USA	2017
Berlin, Germany	2018
Sidney, Australia	2019
Chengdu, China	2021
Kingston, Canada	2022
Naples, Italy	2023
Chicago IL, USA	2024

Scientific advisory committee, Dark Matter Conference, Santander ES 2021-present

Co-founder, 'Dark Machines' initiative 2017-present

International advisory committee, Identification of Dark Matter conference series 2012-present

Organizer, yearly Amsterdam-Paris-Stockholm-London meetings 2012-2019

Organizer, ICTP Workshop "Accelerating the Search for DM with Machine Learning" 2019

Organizer, Lorentz Center Workshop "Accelerating the Search for Dark Matter with Machine Learning" NL 01/18

Organizer, "Statistical Challenges in the Search for Dark Matter" at Banff International Research Station 03/18

Chair organizing committee, *"GRAPPA@5"* Symposium, Amsterdam NL 06/2017

Organizer, *"ISAPP Doctoral School 2017"*, Texel NL 06/2017

Organizer, *"Big Data Tools for Physics and Astronomy"* workshop, Amsterdam NL 06/2017

Organizer, *"Dark Matter at the LHC"* workshop, Amsterdam NL 03/2016

Member, Local Organizing Committee, *ICRC*, The Hague 07/2015

Organizer, "Trends in Theory symposium of the DRSTP, Dalfsen NL 05/2015

Organizer, IFT Program in Particle Physics, Astroparticles and Cosmology, Madrid 04-05/2015

Chair Symposium "History and Future of Dark Matter", Amsterdam 06/2014

Member, International Advisory Committee, *International Dark Matter* series 2008 - present

Organizer, weekly GRAPPA Club meetings 2012-2014

Member, International Advisory Committee, Origin of Mass, U. of Southern Denmark 2013

Organizer, KITP workshop "Hunting for Dark Matter", Santa Barbara, USA 2013

Organizer CosmoStat2013, Banff, Canada 2013

Organizer, Dark Universe Workshop, GGI Florence, Italy 2011

Convener, *Astroparticle Physics* session, EPS-HEP meeting, Grenoble FR 2011

Organizer, 2011 Aspen Winter Workshop, Aspen Co, USA 2011

Organizer, "Dark Matter All Around" Workshop, IAP Paris 2010

Chair, CTS Workshop "Dark Matter in the Sky and Underground", ITP Zurich 2010

Co-Chair, "γ in $\mathcal{Z}$" Workshop, ITP Zurich 2009

Co-Chair, TANGO in PARIS Workshop, IAP Paris France 2008

Organizer, "Café GReCO" weekly meetings at IAP 2007 - 2009

Organizer, "Caffé Teorico" meetings at INFN, Padova 2005 - 2006

Organizer, Fermilab Astrophysics Seminars 2004 - 2005

Organizer, Fermilab Astrophysics "Munch" Journal Club meetings 2004 - 2005

Supervision

Supervision of postdoctoral fellows

Rodrigo Vicente (NWO M2 postdoc)	2024-2026
Pippa Cole (IoP postdoc)	2020-2023
Adam Coogan (IoP postdoc)	2018-2021
Bradley Kavanagh (GRAPPA Fellow)	2017-2020
Nilanjan Banik (D-ITP postdoc)	2017-2019
Daniele Gaggero (GRAPPA Fellow)	2015-2018
Christopher McCabe (GRAPPA fellow)	2014-2017
Nassim Bozorgnia (ERC postdoc)	2014-2017
Jennifer Siegal-Gaskins (Marie Curie fellow)	2014-2016
Sofia Sivertsson (SRC postdoc)	2013-2015
Mark Lovell (D-ITP postdoc)	2013-2015
Douglas Spolyar (ERC postdoc)	2013-2014
Francesca Calore (ERC postdoc)	2013-2015
Christoph Weniger (GRAPPA fellow)	2012-2015
Maria Cabrera (ERC postdoc)	2012-2014
Chiara Arina (ERC postdoc)	2012-2013
Fabio Iocco (Marie Curie fellow)	2008-2011

Lidia Pieri (*Ville de Paris* fellow) 2008-2009
Gabrijela Zaharijas (P2I fellow) 2010-2011

PhD advisor of
Theophanes Karydas (U. of Amsterdam) 2024-2028
Gimmy Tomaselli (joint with D. Baumann) 2020-2024
Jaco de Swart (joint with Jeroen van Dongen) 2017-2021
Sidney Otten (joint with S. Caron, Radboud U.) 2018-2022
Sebastien Liem (U. of Amsterdam) 2013-2017
Hamish Silverwood (U. of Amsterdam) 2012-2016
Miguel Pato (IAP Paris, ITP Zurich) 2008-2011
Mattia Fornasa (IAP Paris/INFN) 2006-2009
Marco Taoso (IAP Paris/INFN) 2006-2009

Supervision of Master students
Leon Kamermans (U. of Amsterdam) 2022-2023
Renske Wierda (U. of Amsterdam) 2022-2023
Ismini Andrianou (U. of Amsterdam) 2022-2023
Roberto Caiozzoa (U. of Amsterdam) 2022-2023
Andre Couto (U. of Amsterdam) 2022-2023
Thomas Spieksma (U. of Amsterdam) 2021-2022
Theophanes Karydas (U. of Amsterdam) 2021-2022
Julien Manshanden (U. of Amsterdam, with D. Gaggero) 2017-2018
Djoeke Schoonenberg (U. of Amsterdam) 2014-2015
Veerle Tammer (U. of Amsterdam) 2014-2015
Jaco de Swart (U. of Amsterdam, with Jeroen van Dongen) 2013-2014
Mark Wanders (U. of Amsterdam) 2013-2014
Anna Gimbrere (U. of Amsterdam, with Ben Freivogel) 2013-2014
Margot Brouwer (U. of Amsterdam) 2012-2013
Vincent Bizouard (E. Polytechnique, Paris) 2011
Aion Viana da Escossia (E. Polytechnique, Paris) 2009

Supervision of PhD research projects
Eun-Joo Ahn (U. of Chicago) 2004-2005
Edoardo Rozo (U. of Chicago) 2004-2005

External examiner for PhD defenses of
Maurice Weiler (UvA) 2023
Joran Angevaare (UvA) 2023
Geert Raaijmakers (UvA) 2022
Dimitrios Kantzas (UvA) 2022
Ariane Dekker (UvA) 2022
Ruben Oncala Mesa (UvA) 2021
Horng Sheng Chia (UvA) 2020
Thomas Edwards (UvA) 2019
Gabriele Sabato (UvA) 2019
Nicola Bellomo (U. of Barcelona) 2019
Pieter Alexander Breur 2018
Jelle Albers (Nikhef) 2018
Priscilla Pani (Nikhef) 2014
Sofia Sivertsson (U. of Stockholm) 2012
Giorgio Arcadi (SISSA, Italy) 2012
Daniel Cumberbatch (U. of Oxford) 2009

Teaching

MSc course "Astroparticle Physics" 2019-present
U. of Amsterdam, NL

Coordinator honours programme in Physics and Astronomy 2017-2019
U. of Amsterdam, NL

BSc course "Astroparticle Physics" 2018-present
AUC Amsterdam, NL

MSc course "GRAPPA Student seminar" 2016-present
U. of Amsterdam, NL

BSc course "ITFA Workshop: Introduction to Theoretical Physics" 2013-2017
U. of Amsterdam, NL

MSc course "Particle Cosmology" 2013-2015
U. of Amsterdam, NL

MSc course "Astroparticle Physics" 2011-2013
U. of Amsterdam, NL

BSc course "ITFA Workshop: Dark Matter from Experiments to Theory" 2012-2013
U. of Amsterdam, NL

Graduate course on "Particle Astrophysics" 2009-2011
ITP, U. of Zurich, Switzerland

BSc lectures "Physics of the Universe" 2009-2010
ITP, U. of Zurich, CH

Graduate lectures on "Dark Matter" 2010
Univ. of Rome "Roma Tre", Italy

Graduate lectures on "Indirect DM signatures and astrophysical sources" 2007
Ecoles de Physique des Houches, France

Graduate lectures on "Exotic non-thermal processes" 2005
Ecoles de Physique des Houches, France

MSc lectures on Computer Science 2002-2003
Institut Universitaire de Technologie, Paris, France

Public Outreach

- Public lecture at CERN, CH — 06/23
- Live TV interviews for France24, Paris FR (English and French) — 04/23
- Public lecture at EPFL, CH (French) — 04/23
- Radio Interview RTS Lausanne, CH (French) — 04/23
- Founder and chair, yearly Cosmos Science Festival — 09/2022 - present
- Founder and chair, yearly Cosmos Prize for science outreach — 09/2019 - present
- Public lecture Parc Galea, Corsica (in French) — 09/2022
- Public lecture Royal Institution, London UK — 11/2021
- Radio Interview Rai Radio3 Scienza (in Italian) — 06/2019
- TV interview TG5 La Lettura (in Italian) — 06/2019
- Video interview Repubblica.tv (in Italian) — 06/2019
- Speaker at TEDxLakeComo (in Italian) — 2018
- Columnist for the Italian newspaper "La Repubblica" — 2017-2021
- *Nature* podcast interview — 2018
- Author of popular science books in different languages (see below) — 2018-present
- Radio Interview "Miracolo Italiano", Rai Radio Due, Italy — 06/17
- Featured in weekly magazine "Venerdi di Repubblica", Italy — 05/17
- Public conference, Scuola Normale di Pisa, Italy — 12/15
- Radio interview "Ciel et Espace" magazine, Paris, France — 11/15
- Public debate at Amsterdam Academic Club — 01/15
- Public lecture at West Cape University, Cape Town South Africa — 11/14
- Article for OUP Blog on occasion of CERN's 60th anniversary — 09/14
- Public lecture at Royal Institution, London UK — 05/14
- Public lecture at Perimeter Institute, Waterloo, Ontario, Canada — 05/14
- Alfred Russel Wallace Lecture, Cafe de Rumite, Amsterdam — 12/13
- TV Interview for Al Jazeera — 12/13
- World Science Festival Amsterdam, Round table speaker — 10/13
- Interview for "New Scientist" — 09/13
- Interview for the *Jodcast*, U. of Manchester's Jodrell Bank podcast — 6/11
- Article *Matière Noire: effervescence autour des détecteurs*, La Recherche — 09/10
- Interview *A-t-on trouvé des particules de matière noire?*, La Recherche — 06/09
- Public lecture *La pâle lueur de la matière noire*, Museum de Nantes — 03/09
- Radio Interview, Alternantes FM — 03/09
- Public lecture at the Institut d' Astrophysique de Paris, France — 03/08
- *Dov'é e cos'é la Materia Oscura?*, Le Stelle — 10/07

Selected seminars and Conferences

- Colloquium, Dept. of Physics, Yale U., CT USA — 04/24
- Colloquium, Dept. Physics and Astronomy, Stony Brook U., NY USA — 03/24
- Colloquium, Dept. of Physics, Columbia U., NY USA — 03/24
- Invited Talk, 'BHs and Cosmology', Bahamas — 03/24
- Colloquium, LNS MIT, Cambridge MA USA — 02/24
- ITC Luncheon, Harvard U., Cambridge MA USA — 02/24
- Seminar, Theoretical Physics in Oxford, UK — 11/23
- Invited talk, Nobel Symposium on DM, Stockholm SE — 08/23
- Plenary Talk, Dark side of the Universe Kigali, Rwanda — 07/23
- Graduate Schol Erice, Italy — 06/23
- Concluding remarks EuCAPT Symposium, CERN — 05/23
- Physics and Astronomy Colloquium Uni Bologna, Italy — 05/23
- Physics Colloquium Uni Heidelberg, Germany — 04/23
- Cosmology Colloquium Scuola Normale di Pisa, Italy — 04/23
- Plenary talk ICHEP conference, Bologna IT — 07/22
- Physics Colloquium, 'La Sapienza' U., Rome IT — 07/22
- Plenary talk Haraeus Workshop, Royal Astron. Soc. London UK — 11/21
- DESY Particle and Astroparticle Physics Colloquium, Hamburg DE — 06/21

- DESY Colloquium, Zeuthen DE 04/21
- Invited talk at American Astronomical Society meeting, St Louis MO, USA 06/19
- Aspen Institute for Physics Workshop "Dark Matter at the crossroads", Aspen CO, USA 06/19
- ICCUB colloquium, ICCUB Barcelona, Spain 05/19
- Invited talk Dutch Multimessenger Retreat Workshop, Dalfsen NL 12/18
- Plenary talk SLAP meeting, London UK 12/18
- Plenary talk "Physics and the Dark Side", Oxford UK 11/18
- Concluding remarks at TeV Particle Astrophysics 2018, Gerlin DE 6/18
- Plenary talk at "Cosmic Puzzles: From the LSS to LSS", Paris FR 6/18
- Plenary talk at "Astrophysics + MAGIC Workshop, La Palma", ES 5/18
- Plenary talk at "Frontier Objects in Astro and Particle Physics Workshop", Vulcano, IT 5/18
- Plenary talk at "Gravitational waves, black holes and fundamental physics" Malta 1/18
- Concluding remarks "Accelerating the Search for DM with ML", Lorentz Center, NL 1/18
- Plenary talk, "Topical Workshop on Dark Matter", IAS Singapore 11/17
- Plenary talk, "Quantum Gases, Fund. Interactions, and Cosmology" Pisa IT 10/17
- Plenary talk, IDPASC Meeting, Braga P 05/17
- Plenary talk, XLV International Meeting on Fundamental Physics, Granada ES 04/17
- Review talk on dark matter annual Physics@FOM conference, Veldhoven NL 09/16
- Concluding remarks, TeVPA conferemce at CERN 09/16
- Graduate lecture at Dutch Research School of Theoretical Physics 01/16
- Plenary talk, Bruno Touschek Memorial Lecture, Frascati, IT 12/15
- Opening review talk, "prospects in low-mass dark matter", MPI DE 12/15
- Plenary talk, European Committee for Future Accelerators, CERN CH 11/15
- Seminar at EPFL, Versoix CH 11/15
- SOC chair, TeVPA Tokyo, Japan 10/15
- Plenary talk at 'CosmoCruise' 09/15
- Science FOO Camp at Google. Mountain View, CA (USA) 06/15
- Plenary talk at "Alternative Gravity and Alternative Matter". Heraklion, GR 06/15
- Co-Chair IFT Workshop on Dark Matter. Universidad Autonoma Madrid, Spain 04/15
- Seminar at APC, Paris FR 01/15
- Seminar at College de France, Paris FR 01/15
- Invited plenary talk, Dark Side of the Universe, Cape Town South Africa 11/14
- Graduate lectures at INFN-LNGS, L'Aquila IT 10/14
- Chair, Astroparticle Physics conference, Amsterdam NL 06/14
- Chair Public Symposium "History and Future of DM searches", Amsterdam NL 06/14
- Colloquium, Institute of Astronomy, U. of Cambridge, UK 05/14
- Invited colloquium, Astrophy. Dept., American Museum of Natural History 05/14
- Invited plenary talk, *Rencontres de Blois*, France 05/14
- University of Amsterdam Faculty Colloquium Academic Highlights 03/14
- Invited presentation at ATLAS Collaboration meeting, CERN 02/14
- Joint Astronomy Colloquium, ESO Garching DE 12/13
- Plenary Speaker, Kavli Prize Event, Royal Society, London UK 10/13
- Lecture, London International Youth Science Forum, London UK 07/13
- Organizer, 2-months KITP workshop, Santa Barbara CA April to June 2013
- Seminar, Theory group @ NIKHEF, Amsterdam NL 04/2013
- Plenary talk, ATLAS-SUSY group workshop, NIKHEF, Amsterdam NL 04/2013
- Amsterdam-Paris-Stockholm meeting in Stockholm, Sweden 03/2013
- Plenary talk, XV International Workshop on Neutrino Telescopes, Venice, Italy 03/13
- Review talk at Amsterdam-Paris-Stockholm meeting, Stockholm, Sweden 03/13
- Concluding remarks, TeVPA Mumbai, India 12/12
- Plenary talk, CTA-Link meeting, Buenos Aires, Argentina 11/12
- Plenary talk, NNV meeting, Lunteren, NL 10/12
- Summary Talk, IDM 2012, Chicago USA 7/12
- Colloquium, U. of Groningen NL 4/12

- Colloquium, U. of Utrecht, NL 3/12
- Seminar at DAMTP, Cambridge UK 2/12
- Seminar at King's College, London UK 1/12
- 1 week scientific visit at Imperial College, London UK 1/12
- Seminar at Obs. de Geneve, CH 1/12
- Seminar at EPFL, Basel, CH 1/12
- Graduate Lectures, IDPASC Dark Matter School, Evora PT 12/11
- Colloquium, U. of Innsbruck, Austria 12/11
- Organizer, Dark Workshop at the Galileo Galilei Institute, Italy 10/11
- Welcome address, TeVPA11 Workshop, Stockholm U., Sweden 8/11
- Convener "Astroparticle Phys.", HEP Europhys. Conference, Grenoble 7/11
- "Key participant", CERN Theory Institute DMUH11, Geneva CH 7/11
- Graduate Lectures, Dublin Summer School DIAS/UCD, Dublin IE 7/11
- Invited plenary talk, WIMPs/Axion Patras Workshop, Mykonos GR 6/11
- Invited plenary talk, Royal Astronomical Society Meeting, Llandudno UK 4/11
- Seminar at LLR, E. Polytechnique, Saclay, France 3/11
- Seminar at ICC, U. of Barcelona, Spain 3/11
- Seminar at Obs. of Brera, Milano, Italy 2/11
- Invited plenary talk, *DISCRETE 2010*, U. of Rome 12/10
- Seminar at Caltech, Pasadena CA, USA 11/10
- Seminar at UCI, Irvine CA, USA 11/10
- Seminar at UCLA, Los Angeles CA, USA 11/10
- Invited plenary talk, *Darkness visible*, IoA Cambridge UK 08/10
- Graduate lectures at ICTP school, Trieste Italy 07/10
- Invited Plenary Talk, *Electron-Nucleus Scattering*, Elba Island 06/10
- Colloquium, Max-Planck-Institute for Physics, Munich, Germany 06/10
- Invited Plenary Talk, *Neutrino 2010*, Athens, Greece 06/10
- Seminar at LAPP, Montpellier, France 06/10
- Seminar at ULB, Bruxelles, Belgium 04/10
- Graduate lectures on Particle Astrophysics, U. of Roma 3, Rome Italy 04/10
- Invited Talk, IOP meeting, Imperial College. London UK 04/10
- Joint THC/APP talk, University of Amsterdam NL 03/10
- Joint Cosmology Seminar, ICTP Trieste, Italy 03/10
- Invited Talk, Workshop on future ACTs, Obs. de Paris 12/09
- 1 week-visit to Univ. Autonoma, Madrid, Spain 11/09
- Invited Plenary Talk, COSMO09 CERN, CH 09/09
- Welcome address, TeVPA09 Workshop, Stanford USA 07/09
- Physics/Astronomy Colloquium, UCSC, USA 06/09
- ACKS Seminar, SLAC Stanford USA 06/09
- 1-month visit to KIPAC Stanford USA 06/09
- Seminar, U. of Rome "La Sapienza". Rome, Italy 05/09
- Plenary talk, RICAP 09 Rome, Italy 05/09
- Concluding remarks TANGO in Paris, France 05/09
- Seminar, CfA Harvard U., USA 03/09
- ITC Luncheon, CfA Harvard U., USA 03/09
- Seminar, Ohio State U., Columbus OH, USA 03/09
- Invited talk, CERCA, Cleveland OH, USA 03/09
- Invited talk, GGI Florence, Italy 02/09
- Public lecture, Museum de Nantes 03/09
- Concluding Remarks at TeVPA08 workshop in Beijing, China 09/08
- Seminar, Observatory of Shanghai, China 09/08
- Invited Plenary talk, DESY Theory Workshop 09/08
- Invited plenary talk, PASCOS'08, Perimeter Inst., Canada 06/08
- Invited talk, Substructures Workshop, Perimeter Inst., Canada 06/08

- Seminar, U. of Zürich, CH 05/08
- Seminar, Dept. of Phys., U. of Stockholm, Sweden 05/08
- Invited talk, PONT d'Avignon, France 04/08
- 1-month visit and seminar at the Universidad Autonoma, Madrid, Spain 03/08
- Public lecture at the Institut d'Astrophysique de Paris, France 03/08
- Invited review talk, 5th ILIAS meeting, Jaca, Spain 02/08
- Seminar, LPT Orsay, France 02/08
- Seminar, U. of Oxford, UK 12/07
- Chair of the LOC and SOC, TeVPA'07 Venice, Italy 08/07
- Invited Plenary Talk, at Lepton-Photon, Daegu, Korea 07/07
- Plenary talk, Cosmo-LHC workshop, CERN 07/07
- Invited Talk, SciNeGHE'07 Rome Italy 06/07
- Seminar, DESY, Hamburg 04/07
- Lectures at the Les Houches School 03/07
- Review talk, DM Visitors Program, CERN, Switzerland 03/07
- Invited talk, CTA Meeting Paris, France 03/07
- Seminar, Tuebingen U., Germany 03/07
- GLAST Symposium, Stanford, CA 01/07
- Colloquium, Arcetri Obs., Firenze. Italy 01/07
- Seminar, CEA Saclay, France 11/06
- Invited talk, IDM 2006, Rhodes, Greece 09/06
- Rapporteur talk, TeVPA II, Madison, WI 08/08
- Invited rev. talk, BCN06, Barcelona, ES 07/06
- Seminar, KIPAC, Stanford, CA 06/06
- Chair of DM Parallel Session, SUSY 06, Newport Beach, CA 05/06
- Seminar, UC Irvine, CA 05/06
- KITP 'long workshop' AGN06, Santa Barbara, CA 05/06
- Plenary Talk, Melchiorri Memorial C., Rome, Italy 04/06
- Seminar, Scuola Normale, Pisa, Italy 03/06
- Seminar, U. of Udine, Italy 03/06
- Seminar, MPA Heidelberg, Germany 02/06
- Seminar, Univ. Libre, Bruxelles, Belgium 01/06
- Dark Matter review at the Antares workshop, Ravenna, Italy 11/05
- Invited talk, ENTAPP Trieste, Italy 10/05
- Lectures, Les Houches School, France 09/05
- Overview talk, 'TeV Particle Astrophysics', Fermilab, IL, USA 07/05
- Invited talk, INFN Particle Astrophysics meeting, Italy 04/05
- Seminar, Tor Vergata U., Rome Italy 04/05
- Seminar, ISCAP, Columbia U. NY, USA 03/05
- Colloquium, Fermilab IL, USA 02/05
- Seminar, NW U. IL, USA 01/05
- Seminar, SLAC, Stanford CA, USA 01/05
- Seminar, T-8 group, Los Alamos NM, USA 01/05
- Seminar, IAS, Princeton NJ , USA 12/04
- Seminar, Caltech, Pasadena CA , USA 11/04
- Invited talk, Tamura Symposium, Austin TX USA 11/04
- Seminar, U. of Florida, Gainesville, FL, USA 10/04
- Seminar, OSU, Columbus, OH, USA 10/04
- Seminar, University of Zurich, Switzerland 07/04
- Seminar, Instituto Superior Tecnico, Lisbon, Portugal 06/04
- Talk at 'Dark Side of the Universe', Ann Arbor, MI, USA 05/04
- Seminar, University of Madison, WI, USA 04/04
- Seminar, UCLA, Los Angeles CA, USA 03/04

Books

- **Sospesi tra due infiniti**, Gianfranco Bertone, Longanesi (2019). Winner of the *"Rhegium Julii"* prize for the best non-fiction book in 2019.

  English translation *"A tale of two infinities"* published by Oxford University Press (2021)

  Dutch translation *"Tussen twee oneindigheden"* published by New Scientist (2022)

  French translation *"Entre deux Infinis'* published by Quanto EPFL Press (2023).

- **Behind the Scenes of the Universe: from the Higgs to Dark Matter**, Gianfranco Bertone, Oxford University Press (2013). Winner of the *"Ciel et Espace"* prize for the best Astronomy book in 2015.

  Dutch translation *"Achter de schermen van het heelal"* published by Prometheus (2014)

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