

Filippo Vernizzi's CV

Professional Appointments

- Present: Director of Research - Institut de Physique Théorique, CEA Saclay, France
- June-August 2025: Visiting Professor - Yukawa Institute for Theoretical Physics, Kyoto, Japan
- July 2015-April 2016: Visiting Scientist - CERN, Switzerland
- 2006-2008: Postdoctoral researcher - Abdus Salam ICTP, Italy
- 2004-2006: Postdoctoral researcher - Helsinki Institute of Physics, Finland
- 2002-2004: Postdoctoral researcher - Institut d'Astrophysique de Paris, France

Education and Qualifications

- February 2015: Diplôme d'Habilitation à Diriger des Recherches - Université Paris Sud
- 1999-2002: PhD in theoretical physics - University of Geneva, Switzerland
- 1998: Laurea (BSc) in Physics - University of Parma, Italy

Responsibilities (selection)

- Member of the CNRS national scientific committee for Theoretical Physics (02 section), 2021-2025
- Vice-Director of the French GdR (Groupement de Recherche) Gravitational Waves, 2022-2025
- Member of the governing board of the Institut Henri Poincaré, 2021-
- Member of the expert panel W&T2 Physics of the Research Foundation Flanders, 2024-
- Member of the HCERES committee for the evaluation of the LPTHE, Jussieu, Paris (November 2023) and for the evaluation of the LUPM, Montpellier (February 2026)
- Member of the selection committee for the A*Midex Chair of Excellence in Gravitational Waves Physics at the CPT Marseille, May-June 2023

Teaching activities (selection)

- Tutorials in General Relativity, Master 2 of the ICFP, ENS, Paris (2021, 2022, 2023, 2024, 2025)
- Tutorials in General Relativity, Master 1 of the Université Paris Diderot (2020, 2021, 2022, 2023)
- “Cosmic inflation”, Scuola Normale Superiore di Pisa, Italy (2011, 2012, 2013, 2014, 2015, 2017)
- 10 summer schools and PhD courses since 2014

Mentorship and thesis committees (since 2010)

- 5 PhD students, 10 postdocs, 8 Master students
- 8 PhD monitoring committees, 27 PhD thesis committees, 5 HDR committees

Awards and fellowships coordination (selection)

- 3 CEA PhD fellowships CFR (2023-2025, 2019-2021, 2015-2017)
- 2022-2026: ANR COLSS “Cosmology with the large-scale structure”
- 2017-2022: D’Alembert fellowship of the University Paris-Saclay (with Michele Vallisneri)
- Coordination of two Marie Skłodowska-Curie Fellowships (2017-2020, 2015-2017)
- 2017-2018: P2IO postdoc fellowship
- 2009-2013: ANR Chaire d’Excellence Junior 2009 CMB2nd “CMB anisotropies at second order”
- 2003: Vacheron-Constantin price for Ph.D. thesis
- 2002: Swiss National Science foundation fellowship
- 2000: Marie Curie PhD fellowship

Other activities (selection)

- 25 Conferences, workshops and schools (e.g. Moriond, Itzykson meeting) organized since 2014
- > 80 invited talks (e.g. plenary at COSMO 2026 and 2017, at Testing Gravity 2025, at), seminars and colloquia since 2015
- Editor of JCAP since 2022, of Physics of the Dark Universe (2019-2022), of IJMPD (2018-2021)
- Expert reviewer for ESF, STFC, NWO, ECOS, ERC, PICA, ANR, DIM-ORIGINES, etc.
- Manuscript reviewer for PRL, PRD, JCAP, JHEP, CQG, PLB, MNRAS, GRG, etc.
- Outreach: interview for Le Monde Science 2025, *La théorie qui changerait...* documentary by Zebroloss (youtube - 500k views) 2024, interview for the book *Lumière sur l'énergie noire* 2023, article on Asimmetrie (INFN journal) 2018, organisation of *Vagabondi del Cosmo* (series of public conferences in Trieste) 2008, presentations in middle and high-school classes, and in other informal contexts (2008-2021)