

Éric Chassande-Mottin



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50 years old

Current position

AstroParticule et Cosmologie (Paris), CNRS research director. **2016–**

Education and career

AstroParticule et Cosmologie (Paris), CNRS Researcher. **2006–2016**

Academic habilitation, Université Paris Diderot. **2014**

ARTEMIS, Observatoire de la Côte d'Azur (Nice), CNRS Researcher. **2000–2006**

Expertise and scientific outreach

- 102 articles in peer-reviewed journals
- 37 communications in conferences
- 9 book chapters
- Member of the International Astronomical Union
- Michel Monpetit prize 2016 delivered by the French Academy of Science

Selected list of publications

- E. Chassande-Mottin, K. Leyde, S. Mastrogiovanni and D. Steer – Gravitational wave observations, distance measurement uncertainties, and cosmology *Phys. Rev. D*, n. 100 (8), 2019, pp. 083514
- G. Ghirlanda *et al.* – Compact radio emission indicates a structured jet was produced by a binary neutron star merger. *Science*, vol. 363, n. 6430, 2019, pp. 968–971.
- B. P. Abbott *et al.* – Multi-messenger Observations of a Binary Neutron Star Merger. *Astrophys. J.*, vol. 848, n. 2, 2017, p. L12
- B. P. Abbott *et al.* – Observing gravitational-wave transient GW150914 with minimal assumptions. *Phys. Rev. D*, vol. 93, 2016, p. 122004.
- B. P. Abbott *et al.* – Observation of gravitational waves from a binary black hole merger. *Phys. Rev. Lett.*, vol. 116, 2016, p. 061102.

Responsibilities

Within the LIGO Virgo Collaboration

2019–: Head of Virgo group at APC (18 members) and member of Virgo Steering Committee

2017: Member of the paper writing team of arXiv:1710.05833 “Multi-messenger Observations of a Binary Neutron Star Merger”

2016–: Co-lead of the open science initiative gw-openscience.org

2015: Co-chair of the paper writing team of arXiv:1602.03837 “Observation of Gravitational Waves from a Binary Black Hole Merger”

2014–2016: Co-chair of the *Burst* LIGO-Virgo working group (~ 90 members) – Searches for transient gravitational wave sources

2013–2014: Co-chair of the committee in charge of defining the LIGO Virgo electromagnetic follow-up program

At home institution and at the national level

2019–: Adjunct director of APC laboratory (~ 200 members)

2017–: National research network (GdR) on gravitational-wave astronomy; member of the directorate

2015–2019: Head of the Gravitation group

Research grants

H2020 AHEAD2020. 2020–2025

PI of APC contribution

CEFIPRA. 2016–2019

Co-PI with Archana Pai (IIT Bombay)

National Research Agency – Wavegraph. 2015–2019

PI

H2020 ASTERICS. 2015–2019

Coordinator for gravitational-wave astronomy

Tutorship (in recent years)

Konstantin Leyde, *PhD student co-advised with Danièle Steer (APC).* 2020–

Cyril Cano, *PhD student co-advised with Nicolas Lebihan (Gipsa-lab).* 2019–

Agata Trovato, *Post-doctoral fellow.* 2017–

Fangchen Feng, *Post-doctoral fellow.* 2017–2019

Philippe Bacon, *PhD student.* 2015–2018

Om Sharan Salafia, *thesis project co-advised with Giancarlo Ghirlanda (Osservatorio di Brera, Italy).* 2015–2016

Gayathri V, *collaboration on a thesis project with Archana Pai (IIT Bombay).* 2014–2019