

Work experience

2019 - now	Sophie and Tycho Brahe Fellow	<i>Niels Bohr Institute, Denmark & Hong Kong University, China</i> Independant Research Post Doctoral Fellowship to promote collaboration between Denmark and China
2016 - 2019	PhD in Astrophysics	<i>Institut d'Astrophysique de Paris (IAP), France</i> Supervisors: Prof. M. Volonteri and Dr. Y. Dubois

Education

2016 - 2019	PhD in Astrophysics	<i>IAP, France</i>
2015 - 2016	Master in Astrophysics	<i>Observatoire de Paris, France</i> Specialisation in dynamics and numerical astrophysics, <i>summa cum laude</i>
2014 - 2015	Agrégation de Physique	<i>Ecole Normale Supérieure (ENS) de Cachan, France</i> Highest French National teaching certification following a competitive exam (national rank: 11)
2012 - 2014	Licence (BSc) in Physics	<i>ENS de Cachan, France</i> Studies at the ENS de Cachan, a highly selective top french "Grande Ecole"

Teaching

2020 - now	Teaching Assistant	<i>Hong Kong University, China</i> Python for Astronomy (accompanied by a github page for the lab session)
2016 - 2019	Teaching Assistant	<i>Université Pierre et Marie Curie, France</i> Physics at undergraduate level (Electromagnetism, Mechanics, Thermodynamics)
2014 - 2015	Agrégation de Physique	<i>ENS de Cachan, France</i>
2013 - 2015	Oral Examiner	<i>Lycée Janson de Sailly, France</i>

Supervision

2021 - now	PhD candidate	Janet Chang	<i>Hong Kong University, China</i>
2021	Master student	Nathan Franel	<i>IAP, France</i>
2020 - now	MPhil candidate	Thomas Wong	<i>Hong Kong University, China</i>
2019 - now	PhD candidate	Anne Noer Kolborg	<i>University of Santa-Cruz, USA</i>

Grants and computing time awarded

2019 - now	Sophie and Tycho Brahe Fellowship (Post Doctoral fellowship, 300 K\$)
2017 - 2019	Genci (computing time, 5 millions cpu hours corresponding to 500 K\$)
2017	GWVerse STSM (travelling fellowship, 1500 \$)
2016 - 2019	Contrat Doctoral Normalien (competitive PhD fellowship from ENS, 100 K\$)
2014 - 2016	Eleve Normalien (competitive fellowship for undergraduate degree, 60 K\$)

Service and outreach

2020	Co-coordinator of the 2020 LISA White Paper (currently being written)
2020	Member of the LOC/SOC for the conference <i>Young Astronomers on Galactic Nuclei</i>
2019 - now	Active member (vetting and spectral reduction) of the YSE collaboration
2019 - now	Referee for the ApJ and MNRAS
2018 - now	Member of the Laser Interferometer Space Antenna (LISA) Consortium
2018	Member of the LOC/SOC for the conference <i>Massive black holes in evolving galaxies</i>
2017	Organizer of the <i>Weekly PhD student seminar</i>
2016 - 2019	Outreach activities for the <i>Fête de la Science</i>
2016 - 2019	Organizer of the <i>Weekly black hole meeting</i>

Visiting positions

2019	20 days, visiting Dr. J. Dai	<i>Hong Kong University, China</i>
2018	2 weeks, visiting Dr. B. Bar Or	<i>Institute for Advanced Study, USA</i>
2017	2 months, visiting Prof. M. Dotti	<i>University Milano Bicocca, Italy</i>

About me

Programming	Python, Mathematica, git, bash, MPI, Open-MP, L ^A T _E X, Fortran
Science packages	TensorFlow, Ramses, Gasoline, Music, Dice
Language	French (native), English (C2)
Diplomas	PhD in Astrophysics, Eleve Normalien, Driving licence, Agrégation de Physique
Hobbies	Rock climbing, Scuba diving

Papers

I have published 7 papers as first author, 1 as second author and 11 in total.

They can be downloaded on the [NASA-ADS website](#).

1. Giacomo Terreran and the YSE Collaboration (incl. **Hugo Pfister**)
The Early Phases of Supernova 2020pni: Shock-Ionization of the Nitrogen-Enriched Circumstellar Material
arXiv e-prints, arXiv:2105.12296 (May 2021)
2. **Hugo Pfister**, Martina Toscani, Thomas Hong Tsun Wong, Jane Lixin Dai, Giuseppe Lodato, and Elena M. Rossi
Observable gravitational waves from tidal disruption events and their electromagnetic counterpart
arXiv e-prints, arXiv:2103.05883 (Mar. 2021)
3. David Jones and the YSE Collaboration (incl. **Hugo Pfister**)
The Young Supernova Experiment: Survey Goals, Overview, and Operations
ApJ 908.2, 143 (Feb. 2021)
4. **Hugo Pfister**, Jane Lixin Dai, Marta Volonteri, Katie Auchettl, Maxime Trebitsch, and Enrico Ramirez-Ruiz
Tidal disruption events in the first billion years of a galaxy
MNRAS 500.3 (Jan. 2021)
5. Marta Volonteri, **Hugo Pfister** et al.
Black hole mergers from dwarf to massive galaxies with the NewHorizon and Horizon-AGN simulations
MNRAS 498.2 (Oct. 2020)
6. **Hugo Pfister**, Marta Volonteri, Jane Lixin Dai, and Monica Colpi
Enhancement of the tidal disruption event rate in galaxies with a nuclear star cluster: from dwarfs to ellipticals
MNRAS 497.2 (Sept. 2020)
7. **Hugo Pfister**, Massimo Dotti, Clotilde Laigle, Yohan Dubois, and Marta Volonteri
Real galaxy mergers from galaxy pair catalogues
MNRAS 493.1 (Mar. 2020)
8. The Obelisk Collaboration (incl. **Hugo Pfister**) et al.
The Obelisk simulation: galaxies contribute more than AGN to HI reionization of protoclusters
arXiv e-prints, arXiv:2002.04045 (Feb. 2020)
9. **Hugo Pfister**, Ben Bar-Or, Marta Volonteri, Yohan Dubois, and Pedro R. Capelo
Tidal disruption event rates in galaxy merger remnants
MNRAS 488.1 (Sept. 2019)
10. **Hugo Pfister**, Marta Volonteri, Yohan Dubois, Massimo Dotti, and Monica Colpi
The erratic dynamical life of black hole seeds in high-redshift galaxies
MNRAS 486.1 (June 2019)
11. **Hugo Pfister**, Alessandro Lupi, Pedro R. Capelo, Marta Volonteri, Jillian M. Bellovary, and Massimo Dotti
The birth of a supermassive black hole binary
MNRAS 471.3 (Nov. 2017)

Talks

Bold dates are **invited** talks.

Sept. 2021	zoom only	Ramses User Meeting
Aug. 2021	<i>Niels Bohr Institute</i> , Denmark (via zoom)	Young Astronomers on Galactic Nuclei
Aug. 2021	zoom only	GWverse global meeting
June 2021	zoom only	PNCG
Mar. 2021	<i>Lorentz Center</i> , Netherland (via zoom)	Clash of the Titans
Feb. 2021	<i>University of Cambridge</i> , UK	Galaxy Talk
Sept. 2020	zoom only	Origin, growth and feedback of black holes in dwarf galaxies
Dec. 2020	<i>Universidad de Concepción</i> , Chile	Supermassive black holes: Formation, growth and evolution
Feb. 2020	<i>Sexten Center for Astrophysics</i> , Italy	Getting ready to descend the slippery slope
Jan. 2020	<i>Hong Kong University</i> , China	Talk
Jan. 2020	<i>Yukawa Institute</i> , Japan	Tidal Disruptions in Kyoto
Dec. 2019	<i>Niels Bohr Institute</i> , Denmark	Transient Tuesday
Apr. 2019	<i>Tel Aviv University</i> , Israel	Tal Alexander Workshop
Mar. 2019	<i>Niels Bohr Institute</i> , Denmark	Invited talk
Mar. 2019	<i>University of Zurich</i> , Switzerland	Invited talk
Dec. 2018	<i>Institut d'Astrophysique de Paris</i> , France	LISA Astrophysics WG Workshop
Nov. 2018	<i>Eötvös Loránd University</i> , Hungary	Young Astronomers on Galactic Nuclei
Oct. 2018	<i>Institut d'Astrophysique de Paris</i> , France	ICAP meeting
Oct. 2018	<i>Space Telescope Science Institute</i> , USA	Galaxy group meeting
Oct. 2018	<i>University of Maryland</i> , USA	Theory seminar
Oct. 2018	<i>Institute for Advanced Study</i> , USA	Morning coffee seminar
Oct. 2018	<i>Princeton University</i> , USA	Lunch seminar
Oct. 2018	<i>Columbia University</i> , USA	Lunch seminar
Oct. 2018	<i>Yale University</i> , USA	Black hole group meeting
Oct. 2018	<i>Flatiron Institute</i> , USA	Galaxy group meeting
Sept. 2018	<i>Université de Lyon</i> , France	Ramses User Meeting
July 2018	<i>Institut d'Astrophysique de Paris</i> , France	Massive black holes in evolving galaxies
Nov. 2017	<i>Universita di Milano</i> , Italy	Giornata di studio Dottorandi di Astrofisica
Oct. 2017	<i>Centro de Estudios de Aragón</i> , Spain	Young Astronomers on Galactic Nuclei
Sept. 2017	<i>Universita di Milano</i> , Italy	Invited talk
Nov. 2016	<i>Institut d'Astrophysique de Paris</i> , France	Young Astronomers on Galactic Nuclei
Nov. 2016	<i>Institut d'Astrophysique de Paris</i> , France	Elbereth Conference