

Personal information

Full name: Tsun Ho PANG (Peter)

Date of birth: 18th May, 1994

Email address: thopang@nikhef.nl | t.h.pang@uu.nl

Research interest

Gravitational-wave data analysis and astrophysics Testing General Relativity

Interdisciplinary approaches in nuclear physics Multi-messenger astronomy

Professional experience

2024 - Present	NWO Veni Fellow	Nikhef
	Honorary Croucher Postdoctoral Fellow	
2023 - 2024	Postdoctoral Researcher	Utrecht University
2022 - 2023	Data Scientist	ABN AMRO Bank N.V.

Education

2018 - 2022	Ph.D. in Physics	Utrecht University
	Supervisor: Prof. Dr. Chris VAN DEN BROECK	
2016 - 2018	M.Phil. in Physics	The Chinese University of Hong Kong
	Supervisor: Prof. Dr. Tjonnie G. F. LI	
2012 - 2016	B.Sc. in Physics – First Class Honours	The Chinese University of Hong Kong

Fellowships and grants

2025 - 2027	Croucher Postdoctoral Fellowship	165k USD	PI	Offer declined
2024 - 2027	NWO Veni Fellowship	315k EUR	PI	
2024 - 2027	NSF-DFG Funding Opportunity for Collaborations in Physics	300k EUR +231k USD	Collaborator	
2023 - 2024	Computational grant at SURF	1.0M CPUh	PI	
2021 - 2023	Gauss computation allocation	44.1M CPUh	Co-author	

Prizes

- 2023 Committee of Astroparticle Physics in the Netherlands (CAN) Thesis Prize
- 2018 The Chinese University of Hong Kong Physics Teaching Assistant Award

Publications

Publication and citation summary (from inspirehep.net on 23th April 2025)

	Excluding all LVK/ET [†] papers	Including LVK/ET papers with major contribution	Including all LVK/ET papers
Number of papers:	43	47	161
Number of citations:	1,981	4,421	61,399
Average citations per paper:	46.1	94.1	381.4
h-index:	20	23	78

[†]LVK = LIGO-Virgo-KAGRA Collaboration, ET = Einstein Telescope Collaboration

Key publications

Hauke Koehn et al. (2025). *Phys. Rev. X* 15 (2), p. 021014

- Stringent constraints on the neutron-rich dense matter by integrating a broad range of nuclear experiments and astrophysical observations within a Bayesian framework.

P. T. H. Pang, et al. (2023). *Nature Communications* 14.1, p. 8352

- Advanced multi-messenger analysis software for neutron star mergers and astronomical transients
- Integrated into Zwicky Transient Facility’s online search pipeline ZTFReST

S. Huth and P. T. H. Pang et al. (2022). *Nature* 606, pp. 276–280

- Joint-first authorship; State-of-the-art constraint on nuclear equation of state by combining multi-messenger astronomical observations & terrestrial heavy ion collision data

LIGO Scientific and Virgo Collaborations (2021). *Phys. Rev. D* 103.12, p. 122002

- Person in charge of sections VA and VII; LVK collaborations paper on testing general relativity

T. Dietrich et al. (2020). *Science* 370.6523, pp. 1450–1453

- Lead analyst; State-of-the-art constraint on nuclear equation of state with multi-messenger astronomical observations at the time and estimation of the Hubble constant

Teaching record**Student supervision****Ph.D.**

2023 - Present	Thibea Wouters
2023 - Present	Hauke Koehn
2021 - Present	Nina Kunert

Master

2023 - 2025	Sahil Jhavar	
2021 - 2023	Henrik Rose	Currently Ph.D. student at the University of Potsdam
2019 - 2020	Adriaan Hengeveld	Currently Radiation scientist at RIVM

Bachelor

2024	Frank Snijder	
2024	Marlinde Drent	
2024	Tom Oeloff	
2020	Thomas Spieksma	Currently Ph.D. student at the Niels Bohr Institute Winner of the Best B.Sc. Thesis in Physics Award (2020)
2019	Yasmeen Asali	Currently Ph.D. student at the Yale University

Courses tutored

2022	Master-level	Gravitational waves	University of Amsterdam
2021	Bachelor-level	Quantum mechanics	Utrecht University
2021	Master-level	Gravitational waves	University of Amsterdam
2020	Bachelor-level	Quantum mechanics	Utrecht University
2019	Master-level	Gravitational waves	University of Groningen
2017	Bachelor-level	Electromagnetic theory I	The Chinese University of Hong Kong
2017	Bachelor-level	Introduction to mechanics, fluids & waves	The Chinese University of Hong Kong
2016	Bachelor-level	Electromagnetic theory I	The Chinese University of Hong Kong

Invited summer school teachings

2023	Department of Physics, The Chinese University of Hong Kong
2023	Zwicky Transient Facility (ZTF)

Public and professional services

Journal refereeing

2025 - Present	Physical Review Letters The Astrophysical Journal General Relativity and Gravitation
2024 - Present	Nature Physical Review C Journal of Cosmology and Astroparticle Physics
2023 - Present	Physical Review D Monthly Notices of the Royal Astronomical Society

Collaboration and committee roles

Membership

2025 - Present	Member of the Cosmic Explorer Consortium
2023 - Present	Member of the Einstein Telescope Collaboration
2016 - Present	Member of the LIGO-Virgo-KAGRA Collaboration (LVK)

Leadership role

2024 - Present	Coordinator of eXtreme Matter in eXtreme Stars workshop white paper Gravitational-wave chapter
2023 - Present	Coordinator of Einstein Telescope blue book section 5.3
2023 - Present	Committee member of the Nikhef Junior Colloquium
2021 - 2022	Person-in-charge of sections in LVK testing general relativity papers
2019 - 2022	Maintainer of the testing general relativity pipeline TIGER in LVK

Invited talks

2025	Nikhef	Amsterdam
2024	University of Groningen	Groningen
2024	Johns Hopkins University	Baltimore
2024	eXtreme Matter in eXtreme Stars workshop	Leiden
2024	International Symposium on Nuclear Symmetry Energy	Caen
2024	Physics and Astrophysics at the eXtreme	London
2024	Niels Bohr Institute	Copenhagen
2023	The Chinese University of Hong Kong	Hong Kong
2023	University of Potsdam	Potsdam
2023	KU Leuven	Leuven
2018	Johns Hopkins University	Baltimore

Public engagements

- Featured on “Jong Talent” in the Dutch New Scientist’s black hole special issue
- Interviewed by Dutch New Scientist and Physics Today for my publications
- Publications covered by international press, e.g., Forbes