

Nondh Panithanpaisal

Department of Physics and Astronomy, University of Pennsylvania
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Citizenship: Thai

EDUCATION

University of Pennsylvania

Philadelphia, PA

Ph.D. Candidate in Physics and Astronomy

2018 – Present

- Advisor: Robyn Sanderson

Princeton University

Princeton, NJ

A.B. in Physics with High Honors (Magna Cum Laude)

2014 – 2018

- Thesis: “Cross-correlation Analysis of the SPIDER Experiment.”
- Advisor: William C. Jones

AWARDS AND HONORS

Allen G. Shenstone Prize, Department of Physics, Princeton University 2018

Kusaka Memorial Prize, Department of Physics, Princeton University 2017

Fred Fox Class of 1939 Fund, summer research funding, Princeton University 2017

International Olympiad on Astronomy and Astrophysics (IOAA) 2011, 2012

- Gold medalist, Rio de Janeiro, Brazil. (2012)
- Silver medalist, Katowice, Poland. (2011)

International Astronomy Olympiad (IAO), silver medalist, Crimea, Ukrain 2010

PUBLICATIONS

Nondh Panithanpaisal; Robyn Sanderson; Andrew Wetzel; Emily C. Cunningham; Jeremy Bailin; Claude-André Faucher-Giguère.

“The Galaxy Progenitors of Stellar Streams around Milky Way-mass Galaxies in the FIRE Cosmological Simulations.”

Submitted to ApJ. arXiv:2104.09660.

Youjia W.; Monica V.; **Nondh Panithanpaisal**; Robyn S.; Katherine F.; Andrew W.; Sanjib S..

“Using Action Space Clustering to Constrain the Accretion History of Milky Way like Galaxies.”

Submitted to MNRAS. arXiv:2104.08185.

SELECTED TALKS AND PRESENTATIONS

“The Galaxy Progenitors of Stellar Streams around Milky Way-mass Galaxies in the FIRE cosmological simulations.”

Nondh Panithanpaisal; Robyn Sanderson; Andrew Wetzel and Others.

Poster presentation. Space Telescope Science Institute, the Local Group Symposium (2020).

“Stellar Streams and Their Progenitors in MW-like Simulations.”

Nondh Panithanpaisal; Robyn Sanderson.

Contributed talk. AAS Division on Dynamical Astronomy meeting 51 (2020), 200.02.

“Exploring Proposals for Resolving the Initial Conditions and Multiverse Problems in Inflation.”

Nondh Panithanpaisal; Paul Steinhardt.

Poster presentation. American Astronomical Society, AAS Meeting 231 (2018), 153.14.

TEACHING AND MENTORING EXPERIENCE

Laboratory Experiences in the Natural Sciences (Penn LENS)

Graduate student mentor for local high school students

Philadelphia, PA

summer 2020

Department of Physics and Astronomy, University of Pennsylvania

Teaching assistant, PHYS102 – Gen. Phys.: EM, Optics, and Modern Physics

Philadelphia, PA

Spring 2019

Teaching assistant, ASTR001 – Survey of the Universe

Fall 2018

Department of Physics, Princeton University

Grader, PHY101 – Introductory Physics I

Princeton, NJ

Fall 2016

Department of Computer Science, Princeton University

Grader, COS126 – General Computer Science

Princeton, NJ

Fall 2015, Spring 2016

SKILLS

Programming Languages: Python, Java, C/C++, Mathematica

Languages: Thai (native), English (fluent), Mandarin Chinese (conversational), Japanese (conversational)