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.

Youjia W.; Monica V.; **Nondh Panithanpaisal**; Robyn S.; Katherine F.; Andrew W.; Sanjib S..
"Using Action Space Clustering to Constrain the AccretionHistory 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) — Philadelphia, PA
Graduate student mentor for local high school students — *summer 2020*

Department of Physics and Astronomy, University of Pennsylvania — Philadelphia, PA
Teaching assistant, PHYS102 – Gen. Phys.: EM, Optics, and Modern Physics — *Spring 2019*
Teaching assistant, ASTR001 – Survey of the Universe — *Fall 2018*

Department of Physics, Princeton University — Princeton, NJ
Grader, PHY101 – Introductory Physics I — *Fall 2016*

Department of Computer Science, Princeton University — Princeton, NJ
Grader, COS126 – General Computer Science — *Fall 2015, Spring 2016*

Skills

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

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