

Nolan Smyth

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EDUCATION

University of California, Santa Cruz, <i>Ph.D. Physics</i>	2018 - 2023
Colgate University, <i>B.A. Physics</i> <i>Summa Cum Laude</i> with Honors in Physics	2014 – 2018
Middlesex Community College, <i>A.A. Liberal Arts</i> Phi Theta Kappa	2012 – 2014

FELLOWSHIPS, HONORS, AND AWARDS

NSF Graduate Research Fellowship	2020 – 2023
Sigma Xi Honor Society	2020
Best Presentation in Physical Sciences – UCSC Graduate Research Symposium	2020
Outstanding TA Award	2020
Joseph C. Amato and Anthony F. Aveni Research Award	2018
Benton Scholars Award	2018
Regents Fellowship	2018
Benton Scholar	2014 – 2018
Dean's Award with Distinction	2014 – 2018
Sigma Pi Sigma Physics Honor Society	2018
Music and Youth Initiative Fellowship	2015
Phi Theta Kappa Honor Society	2014

PUBLICATIONS

Updated Constraints on Asteroid-Mass Primordial Black Holes as Dark Matter.

Smyth, N.; Profumo, S.; English, S.; Jeltama, T.; McKinnon, K.; Guhathakurta, P.; 2020. Phys. Rev. D 101, 063005

Multianalytical Science with the CODEX In-Situ Dating Spectrometer.

Anderson, F.S.; Levine, J.; **Smyth, N.**; Tebolt, M.; Whitaker, T.J.; 2017. 48th Lunar and Planetary Science Conference.

CONTRIBUTED TALKS

PHENO 2020	05/2020
UCSC Graduate Research Symposium	05/2020
UCI/UCSC Joint Seminar	04/2020
SCIPP Seminar	03/2020

NASA Goddard Summer Research Symposium	08/2018
University of Rochester Symposium for Physics Students	04/2018
Colgate University Honors Research Symposium	05/2018
Colgate University Senior Research Symposium	12/2017
Syracuse University Undergraduate Research Symposium	09/2017
NY6 Undergraduate Research Conference	09/2016

RESEARCH EXPERIENCE

Graduate Student Researcher (UCSC)
Research Intern (NASA Goddard Space Flight Center)
Undergraduate Student Researcher (Colgate)

MENTORING AND OUTREACH

Mentor – Cal-Bridge Program
Mentor – STEM Diversity Program (UCSC)
Mentor – Society of Physics Students/Women in Physics and Astronomy (UCSC)
Colgate Physics Club (President, Colgate)
Audio Engineer – Ho Tung Visualization Laboratory (Colgate)
Music and Youth Initiative Fellow

TEACHING

Physics 6C (UCSC)	Spring 2020 & Summer 2020
Physics 110A (UCSC)	Winter 2020
Physics 5D (UCSC)	Fall 2019
Physics 5C (UCSC)	Spring 2019
Physics 5M (UCSC)	Winter 2019
Physics 5N (UCSC)	Fall 2018
Advent of the Atomic Bomb (Colgate)	Spring 2018
Electricity and Magnetism (Colgate)	Fall 2017
Cosc101 (Colgate)	Spring 2017 & Fall 2017
Cosc102 (Colgate)	Spring 2017
Fundamental Physics 2 (Colgate)	Spring 2016
Fundamental Physics 1 (Colgate)	Fall 2015

PROFESSIONAL SKILLS

Languages and Programs

Mathematica, Python, MATLAB, Java, English (Mother Tongue), German (Limited Working Proficiency)