

Gillen Brown

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University of Michigan

Ph.D. in Astronomy
Advisor: Oleg Y. Gnedin
Topic: Chemical Evolution of Simulated Milky Way Sized Galaxies

Ann Arbor, MI

September 2016-May 2022

University of Missouri-Kansas City (UMKC)

B.S. Physics with emphasis in Astronomy
Math and Computer Science minors

Kansas City, MO

May 2016

Publications

- **Brown, G.**, Gnedin, O. Y., “Nuclear Star Clusters in Cosmological Simulations”, 2018, ApJ, 864, 94
- Gonzalez, A., Gettings, D., Brodwin, M., et al. including **Brown, G.**, “The Massive and Distant Clusters of WISE Survey. I: Survey Overview and a Catalog of >2000 Galaxy Clusters at $z \simeq 1$ ”, 2019, ApJS, 240, 33

Academic Presentations

- Santa Cruz Galaxy Workshop, August 2019, poster: “Star Cluster Formation in Cosmological Simulations”
- University of Michigan Graduate Student Lunch Talks, December 2019, talk: “Galactic Chemical Evolution in Cosmological Simulations”
- University of Michigan Graduate Student Lunch Talks, April and September 2017, talk: “Nuclear Star Clusters in Cosmological Simulations”

Teaching

Graduate Student GSI Mentor

Fall 2019

Consultant and teaching mentor to other graduate student instructors in the department

Sole Instructor for Astro 127: Naked Eye Astronomy

Spring 2019

Taught the course and developed all materials, including lectures, homework, and exams

Graduate Student Instructor

2017, 2019

Led discussion sections and graded work for introductory astronomy classes for non-science majors

Outreach

University of Michigan Museum of Natural History Science Communication Fellow 2019

Several professional development workshops on effectively engaging the public
Created a hands-on demo and shared it at several Museum events

Public Talks

University of Michigan Museum of Natural History, 5 times in 2019, "Building the Universe"
Astronomy on Tap - Ann Arbor, October 2019, "Origin of the Elements"
Ann Arbor Hands-On Museum, July 2019, "How the Moon Formed"
Ellis Library & Reference Center, July 2019, "The Scientific Legacy of the Moon Landings"
Nerd Nite Ann Arbor, March 2019, "Origin of the Elements"
Ignite Ann Arbor, November 2018, "Reclaiming the Night Sky"

Astronomy on Tap - Ann Arbor Fall 2019 — present

Member of leadership team, coordinated speakers and themes for monthly events

Activities

UM Astronomy Galaxy Group Organizer 2019 — present

Coordinated and organized speakers for biweekly Galaxy Group meetings

Michigan Dark Skies Group Member 2017 — present

Met with an Ann Arbor City Council committee to encourage action to reduce light pollution
Met with real estate developers and architects to encourage dark sky friendly lighting

UM Astronomy Curriculum Committee — Graduate Student Representative 2018 — 2019

Helped manage the undergraduate and graduate astronomy curriculum

Graduate Student Colloquium Lunch Organizer 2018 — 2019

Organized and ordered food for the weekly graduate student lunches with the colloquium speaker