

Goni Halevi

Princeton University
Dept. of Astrophysical Sciences
4 Ivy Ln.
Princeton, NJ 08540

ghalevi@princeton.edu
[gonihalevi.github.io](https://github.com/gonihalevi)
Peyton Hall 015 (PU campus)
Bloomberg Hall 048 (IAS)

- Education **Princeton University**
Ph.D., Astrophysical Sciences, 2023 (expected)
M.A., Astrophysical Sciences, 2019
University of California, Berkeley
B.A., Physics, 2017
B.A., Astrophysics, 2017
- Scientific
Interests High-energy, nuclear, computational astrophysics
Transients, compact objects, thermonuclear burning, r-process, accretion, MHD
- Awards and
Fellowships *Graduate Student Fellowship (Math/Physics), Princeton Teaching Initiative, 2020–*
Graduate Research Fellowship, National Science Foundation, 2019-2022
Outstanding Graduate Student Instructor, UC Berkeley, 2017
Commencement Speaker (\$1000), UC Berkeley Astronomy Dept., 2017
Google Lick Pre-doctoral Fellowship, Google/Lick Observatory, 2016–2017
Daniel Edward Wark Award (\$5000), UC Berkeley Astronomy Dept., 2015
- Presentations **Talks and seminars** (* = invited)
*“Nuclear-MHD modeling of WD transients,” *Astronomy Seminar*, Indiana
University (remotely), Apr. 2021
*“Nuclear-MHD modeling of WD transients,” *Astronomy Seminar*, UW
Madison (remotely), Nov. 2020
“HSC-XD: A new X-ray search for AGN in dwarf galaxies out to $z \sim 1$,”
Session on AGN & Quasars, AAS 235, Honolulu, Jan. 2020
*“Jet-driven core-collapse supernovae as a candidate site for r-process
nucleosynthesis,” *Multi-Messenger astrophysics in the gravitational wave era*,
Yukawa Institute for Theoretical Physics, Kyoto, Oct. 2019
“Implementation of Nuclear Reactions in Athena++,” *Athena++ Developers
Meeting*, UNLV, Mar. 2019
*“Jet-driven core-collapse supernovae as a candidate site for r-process
nucleosynthesis,” *Filippenkopalooza Pre-Meeting*, UC Santa Cruz, Aug. 2018
*“Jet-driven core-collapse supernovae as a candidate site for r-process
nucleosynthesis,” *NS mergers for non-experts*, MSU, May 2018
*“Jet-driven core-collapse supernovae as a candidate site for r-process
nucleosynthesis,” *MHD group meeting*, Princeton University, Mar. 2018
- Posters**
229th meeting of the AAS, Grapevine, TX, Jan. 2017
APS Conference for Undergraduate Women in Physics, UCSD, Jan. 2016

Selected Publications <i>Complete List: ADS/arXiv</i>	<p>Stahl, ..., Halevi, et al. (2019). “Lick Observatory Supernova Search Follow-Up Program: Photometry Data Release of 93 Type Ia Supernovae” (<i>MNRAS</i>)</p> <p>Halevi et al. (2019) “HSC-XD 52: An X-ray detected AGN in a low-mass galaxy at $z \sim 0.56$” (<i>ApJL</i>)</p> <p>de Jaeger, ..., Halevi, et al. (2019) “The Berkeley sample of Type II supernovae: BVRI light curves and spectroscopy of 55 SNe II” (<i>MNRAS</i>)</p> <p>Mösta, Roberts, Halevi, et al. (2018) “r-process Nucleosynthesis from Three-dimensional Magnetorotational Core-collapse Supernovae” (<i>ApJ</i>)</p> <p>de Jaeger, ..., Halevi, et al. (2018) “SN 2016esw: a luminous Type II supernova observed within the first day after the explosion” (<i>MNRAS</i>)</p> <p>Halevi & Mösta (2018) “r-Process nucleosynthesis from three-dimensional jet-driven core-collapse supernovae with magnetic misalignments” (<i>MNRAS</i>)</p> <p>Zheng, ..., Halevi, et al. (2017) “Discovery and Follow-up Observations of the Young Type Ia Supernova 2016coj” (<i>MNRAS</i>)</p>
Teaching	<p>East Jersey State Prison (Raritan Valley Community College)</p> <p>Head instructor, “Introductory Physics (with Lab)”, Spring 2020</p> <p>Head instructor, “Elementary Algebra”, Fall 2019</p> <p>Instructor, “Astronomy”, Fall 2018</p> <p>Dept. of Astrophysical Sciences, Princeton University</p> <p>Assistant in Instruction, “Cosmology”, Spring 2020</p> <p>Assistant in Instruction, “The Universe”, Spring 2019</p> <p>Dept. of Astronomy, UC Berkeley</p> <p>Student instructor, “Introduction to Astrophysics II”, Spring 2016/2017</p> <p>Student instructor, “Introduction to General Astronomy”, Fall 2015/2016</p>
Outreach, Leadership, Service	<p><i>Peer Reviewer</i>, Monthly Notices of the Royal Astronomical Society</p> <p><i>Peer Reviewer</i>, The Astrophysical Journal</p> <p><i>Mentorship Committee</i>, Dept. of Astrophysical Sciences, Princeton University, 2021–</p> <p><i>Graduate Student Mentor</i>, Científico Latino, 2019</p> <p><i>Executive Board Member</i>, Princeton University Women in Physics, 2019 –</p> <p><i>Co-founder, Graduate Student Representative</i>, Climate Committee for Equity and Inclusion, Dept. of Astrophysical Sciences, Princeton University, 2018–2021</p> <p><i>Public observing volunteer</i>, Peyton Observatory, 2018-2019</p> <p><i>Volunteer Astronomer</i>, Public Programs Series, Lick Observatory, 2015-2019</p> <p><i>Co-founder, facilitator</i>, AstroJustice Discussion Group, UC Berkeley, 2015–17</p> <p><i>Undergraduate coordinator</i>, Society for Women in the Physical Sciences, UC Berkeley, 2015–17</p> <p><i>Co-founder, Organizing Committee Member</i>, Undergraduate Astronomy Society, UC Berkeley, 2015–17</p> <p><i>Vice president</i>, Society of Physics Students, UC Berkeley, 2015–16</p> <p><i>Outreach coordinator</i>, Society of Physics Students, UC Berkeley, 2014–15</p>
Languages	<p>English (native), Hebrew (native)</p>