

BEN MARGALIT

Contact
Information

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ACADEMIC POSITIONS

2022–present	UC Berkeley THEORETICAL ASTROPHYSICS CENTER (TAC) POSTDOCTORAL FELLOW	Berkeley, CA
2018–2022	UC Berkeley NASA EINSTEIN POSTDOCTORAL FELLOW	Berkeley, CA

EDUCATION

2014–2018	Columbia University M.A., M.Phil & Ph.D. in Physics Advisor: Brian METZGER	New York, NY
2012–2014	Hebrew University of Jerusalem M.Sc. in Physics, graduated <i>Cum Laude</i> Advisor: Tsvi PIRAN	Jerusalem, Israel
2009–2012	Hebrew University of Jerusalem B.Sc. in Physics	Jerusalem, Israel

AWARDS & DISTINCTIONS

2018	NASA Einstein Postdoctoral Fellowship
2014	Excellence in Teaching Award, Hebrew University of Jerusalem
2013	Dean's List for Graduate Students, Hebrew University of Jerusalem
2012	Dean's List, Hebrew University of Jerusalem
2011	Dean's List, Hebrew University of Jerusalem
2011	Saadia Amiel Scholarship
2006	National award by the Ministry of Education for academic excellence in high-school baccalaureate, Israel

ADVISING & TEACHING

2021–present	ADVISING, UC Berkeley Advising undergrad exchange student in research project analyzing the FRB host-galaxy population. Initial results led to student poster presentation. Followup work is now leading to publication in prep.
2019–2020	ADVISING, UC Berkeley

Advised Berkeley undergrad in research project on numerical computation of light-curves resulting from WD-NS mergers.

2020 TRAINING IN LEARNER-CENTERED TEACHING, UC Berkeley

Participated in pedagogical training seminar on learner-centered active teaching approaches led by Prof. Diane Ebert-May and organized by the UC Berkeley Postdoc Teaching Opportunities Program.

2014–2015 TEACHING ASSISTANT, Columbia University

2012–2014 GRADUATE STUDENT INSTRUCTOR, Hebrew University of Jerusalem

Designed and led recitation classes, graded and crafted exam questions and weekly assignments for courses: Quantum Mechanics I, Quantum Mechanics II, Classical Mechanics and Relativity, Electricity and Magnetism. Won award for excellence in teaching based on student feedback and reviews, chosen amongst all TAs in the Faculty of Sciences.

2012–2014 LAB INSTRUCTOR, Belmonte Science Center for Youth

Instructed high-school students through physics lab experiments, and performed introductory demonstrations for junior-high students.

2013 URM TUTORING, Jerusalem College of Engineering

Tutored students as part of special program run by the Jerusalem College of Engineering aimed at decreasing first-year dropout rates of underrepresented minority students.

2013–2014 INSTRUCTOR, Hebrew University Student Union

Designed and taught “Marathons” — intensive exam preparation courses for Medical School students in Mechanics and Electromagnetism.

2011–2015 MENTORING AND TUTORING

Mentored undergraduate student through the Israeli ‘Perach’ program for mentorship of first-generation college students. Additional extensive experience in private tutoring of undergraduate students.

PROFESSIONAL DEVELOPMENT

May 2018 FRIB Theory Alliance — Neutron star merger summer school, Michigan State University, East Lansing, MI

Winter 2017-18 35th Jerusalem Winter School in Theoretical Physics: *The Physics of Astronomical Transients*, Israel Institute for Advanced Studies, Israel

Summer 2016 15th annual Prospects in Theoretical Physics summer school: *Computational Plasma Astrophysics*, Institute for Advanced Study, Princeton, NJ

ACADEMIC SERVICE

2018–present Co-organizer, Theoretical Astrophysics Center Seminar, UC Berkeley

2021–2022 Climate Advisor, Climate Advisory Committee, UC Berkeley Astronomy Department

2021 SOC Member, FRB2021 Conference

1-time ERC Consolidator Grant, External Reviewer

2-times	GMRT Time Allocation Committee, External Proposal Reviewer
1-time	NASA ATP Panel Review Member
1-time	NASA ADAP Panel Review Member
2-times	NASA FINESST Reviewer
2016–present	Journal Referee: (1) <i>Science</i> ; (2) <i>Nature Astronomy</i> ; (3) <i>Physical Review Letters</i> ; (4) <i>Physical Review D</i> ; (5) <i>The Astrophysical Journal Letters</i> ; (6) <i>Monthly Notices of the Royal Astronomical Society</i> ; (7) <i>Astronomy & Astrophysics</i> ; (8) <i>The Astrophysical Journal</i> ; (9) <i>Journal of Plasma Physics</i> (10) <i>Acta Physica Polonica B</i> ; (11) <i>Annals of Physics</i> ; (12) <i>Open Astronomy</i> ; (13) <i>Universe</i> .

PEER-REVIEWED PUBLICATIONS ([ADS LINK](#))

- [45] **Margalit B.**, Jermyn A. S., Metzger B. D., Roberts L. F., Quataert E., “*Angular Momentum Transport in Proto-Neutron Stars and the Fate of Neutron Star Merger Remnants*”, *ApJ* in press
- [44] Sarin N., Omand C. M. B., **Margalit B.**, Jones D. I., “*On the diversity of magnetar-driven kilonovae*”, *MNRAS*, tmp2423S (2022)
- [43] **Margalit B.**, “*Analytic Light Curves of Dense CSM Shock Breakout and Cooling*”, *ApJ*, 933, 238 (2022)
- [42] Ho A. Y. Q., **Margalit B.**, Bremer M., ..., “*Luminous Millimeter, Radio, and X-ray Emission from ZTF20acigmel (AT2020xnd)*”, *ApJ*, 932, 116 (2022)
- [41] **Margalit B.**, Quataert E., Ho A. Y. Q., “*Optical to X-ray Signatures of Dense Circumstellar Interaction in Core-Collapse Supernovae*”, *ApJ*, 928, 122 (2022)
- [40] Hajela A., Margutti R., ..., **Margalit B.**, ..., “*The emergence of a new source of X-rays from the binary neutron star merger GW170817*”, *ApJL*, 927, L17 (2022)
- [39] Metzger B., Sridhar N., **Margalit B.**, ..., “*A Toy Model for the Time-Frequency Structure of Fast Radio Bursts: Implications for the CHIME Burst Dichotomy*”, *ApJ*, 925, 135 (2022)
- [38] Mooley K., **Margalit B.**, Law C., ..., “*Late-Time Evolution and Modeling of the Off-Axis Gamma-ray Burst Candidate FIRST J141918.9+394036*”, *ApJ*, 924, 16 (2022)
- [37] **Margalit B.**, Quataert E., “*Thermal Electrons in Mildly-relativistic Synchrotron Blast-waves*”, *ApJL*, 923, L14 (2021)
- [36] Alexander K., Schroeder G., ..., **Margalit B.**, ... “*A Late-Time Galaxy-Targeted Search for the Radio Counterpart of GW190814*”, *ApJ*, 923, 66 (2021)

- [35] Murguia-Berthier A., Noble S., . . . , **Margalit B.**, . . . , “HARM₃D+NUC: A new method for simulating the post-merger phase of binary neutron star mergers with GRMHD, tabulated EOS and neutrino leakage”, *ApJ*, 919, 95 (2021)
- [34] Nicholl M., **Margalit B.**, Schmidt P., . . . , “Tight multi-messenger constraints on the neutron star equation of state from GW170817 and a forward model for kilonova light curve synthesis”, *MNRAS*, 505, 3016 (2021)
- [33] Sridhar N., Metzger B., . . . , **Margalit B.**, . . . , “Periodic Fast Radio Bursts from Luminous X-ray Binaries”, *ApJ*, 917, 13 (2021)
- [32] Eftekhari T., **Margalit B.**, Omand C. M. B., . . . , “Late-Time Radio and Millimeter Observations of Superluminous Supernovae and Long Gamma Ray Bursts: Implications for Obscured Star Formation, Central Engines, and Fast Radio Bursts”, *ApJ*, 912, 21 (2021)
- [31] Kilpatrick C. D., Burchett J. N., . . . , **Margalit B.**, . . . , “Deep optical observations contemporaneous with emission from the periodic FRB 180916.J0158+65”, *ApJL*, 907, L3 (2021)
- [30] Fong W., Laskar T., . . . , **Margalit B.**, . . . , “The Broad-band Counterpart of the Short GRB 200522A at $z = 0.5536$: A Luminous Kilonova or a Collimated Outflow with a Reverse Shock?”, *ApJ*, 906, 26 (2021)
- [29] Metzger B. D., Fang K., **Margalit B.**, “Neutrino Counterparts of Fast Radio Bursts”, *ApJL*, 902, L22 (2020)
- [28] Schroeder G., **Margalit B.**, Fong W., . . . , “A Late-time Radio Survey of Short GRBs at $z < 0.5$: New Constraints on the Remnants of Neutron Star Mergers”, *ApJ*, 902, 82 (2020)
- [27] **Margalit B.**, Beniamini P., Sridhar N., Metzger B. D., “Implications of a Fast Radio Burst from a Galactic Magnetar”, *ApJL*, 899, L27 (2020)
- [26] **Margalit B.**, Piran T., “Shock within a shock: revisiting the radio flares of NS merger ejecta and GRB-supernovae”, *MNRAS*, 495, 4981 (2020)
- [25] **Margalit B.**, Metzger B. D., Sironi L., “Constraints on the Engines of Fast Radio Bursts”, *MNRAS*, 494, 4627 (2020)
- [24] Eftekhari T., Berger E., **Margalit B.**, . . . , “Wandering Massive Black Holes or Analogs of the First Repeating Fast Radio Burst?”, *ApJ*, 895, 98 (2020)
- [23] Capano C. D., Tews I., Brown S. M., **Margalit B.**, . . . , “GW170817: Stringent constraints on neutron-star radii from multimessenger observations and nuclear theory”, *Nature Astronomy*, 4, 625 (2020)
- [22] **Margalit B.**, Berger E., Metzger B. D., “Fast Radio Bursts from Magnetars Born in Binary Neutron Star Mergers and Accretion Induced Collapse”, *ApJ*, 886, 110 (2019)
- [21] **Margalit B.** “Multi-messenger EOS constraints using binary NS mergers”, *Annals of Physics*, 410, 167925, (2019)
- [20] Coughlin M. W., Dietrich T., **Margalit B.**, . . . , “Multi-messenger Bayesian parameter inference of a binary neutron-star merger”, *MNRAS*, 489, L91 (2019)
- [19] Fernandez R., **Margalit B.**, Metzger B. D., “Nuclear Dominated Accretion

Flows in Two Dimensions. II. Ejecta dynamics and nucleosynthesis for CO and ONE white dwarfs", MNRAS, 488, 1661 (2019)

- [18] **Margalit B.**, Metzger B. D., "The Multi-Messenger Matrix: the Future of Neutron Star Merger Constraints on the Nuclear Equation of State", ApJL, 880, L15 (2019)
- [17] Eftekhari T., Berger E., **Margalit B.**, ..., "A Radio Source Coincident with the Superluminous Supernova PTF10hgi: Evidence for a Central Engine and an Analog of the Repeating FRB 121102?", ApJL, 876, L10 (2019)
- [16] Metzger B. D., **Margalit B.**, Sironi L., "Fast radio bursts as synchrotron maser emission from decelerating relativistic blast waves", MNRAS, 485, 4091 (2019)
- [15] Margutti R., Metzger B. D., ..., **Margalit B.**, ..., "An Embedded X-Ray Source Shines through the Aspherical AT 2018cow: Revealing the Inner Workings of the Most Luminous Fast-evolving Optical Transients", ApJ, 872, 18 (2019)
- [14] Bhirombhakdi K., Chornock R., ..., **Margalit B.**, ..., "Where is the engine hiding its missing energy? Constraints from a deep X-ray non-detection of the Superluminous SN 2015bn", ApJL, 868, L32 (2018)
- [13] **Margalit B.**, Metzger B. D., "A concordance picture of FRB 121102 as a flaring magnetar embedded in a magnetized ion-electron wind nebula", ApJL, 868, L4 (2018)
- [12] Nicholl M., Blanchard P. K., ..., **Margalit B.**, ..., "One thousand days of SN 2015bn: HST imaging shows a light curve flattening consistent with magnetar predictions", ApJL, 866, L24 (2018)
- [11] **Margalit B.**, Metzger B. D., Berger E., Nicholl M., Eftekhari T., Margutti R., "Unveiling the Engines of Fast Radio Bursts, Super-Luminous Supernovae, and Gamma-Ray Bursts", MNRAS, 481, 2407 (2018)
- [10] **Margalit B.**, Metzger B. D., Thompson T. A., Nicholl M., Sukhbold T., "The GRB-SLSN Connection: mis-aligned magnetars, weak jet emergence, and observational signatures", MNRAS, 475, 2659 (2018)
- [9] **Margalit B.**, Metzger B. D., "Constraining the Maximum Mass of Neutron Stars from Multi-Messenger Observations of GW170817", ApJL, 850, L19 (2017)
- [8] Metzger B. D., Berger E., **Margalit B.**, "Millisecond Magnetar Birth Connects FRB 121102 to Superluminous Supernovae and Long-duration Gamma-Ray Bursts", ApJL, 841, L14 (2017)
- [7] **Margalit B.**, Metzger B. D., "Merger of a white dwarf-neutron star binary to 10^{29} carat diamonds: origin of the pulsar planets", MNRAS, 465, 2790 (2017)
- [6] **Margalit B.**, Metzger B. D., "Time-dependent models of accretion discs with nuclear burning following the tidal disruption of a white dwarf by a neutron star", MNRAS, 461, 1154 (2016)
- [5] **Margalit B.**, Loeb A., "Inferring the Distances of Fast Radio Bursts Through Associated 21-cm Absorption", MNRAS, 460, L25 (2016)
- [4] **Margalit B.**, Shaviv N. J., "Constraining MOND Using the Vertical Motion of Stars in the Solar Neighborhood", MNRAS, 456, 1163 (2016)

- [3] Metzger B. D., **Margalit B.**, Kasen D., Quataert E., “*The diversity of transients from magnetar birth in core collapse supernovae*”, MNRAS, 454, 3311 (2015)
- [2] **Margalit B.**, Metzger B. D., Beloborodov A. M., “*Does the Collapse of a Supramassive Neutron Star Leave a Debris Disk?*”, PRL, 115, 171101 (2015)
- [1] **Margalit B.**, Piran T., “*Radio Flares of Compact Binary Mergers: the Affect of Non-Trivial Outflow Geometry*”, MNRAS, 452, 3419 (2015)

WHITE PAPERS & CONFERENCE PROCEEDINGS

- [4] Cowperthwaite P., Chen H-Y., **Margalit B.**, ... “*Joint Gravitational Wave and Electromagnetic Astronomy with LIGO and LSST in the 2020’s*”, Bulletin of the American Astronomical Society, 51, 361 (2019)
- [3] Law C., **Margalit B.**, Palliyaguru N. T., ..., “*Radio Time-Domain Signatures of Magnetar Birth*”, Bulletin of the American Astronomical Society, 51, 319 (2019)
- [2] Foley R., Alexander K., ..., **Margalit B.**, ..., “*Gravity and Light: Combining Gravitational Wave and Electromagnetic Observations in the 2020s*”, Bulletin of the American Astronomical Society, 51, 295 (2019)
- [1] Chornock R., Cowperthwaite P. S., ..., **Margalit B.**, ..., “*Multi-Messenger Astronomy with Extremely Large Telescopes*”, Bulletin of the American Astronomical Society, 51, 237 (2019)

OUTREACH & PUBLIC TALKS

- 03/06/2019 Public Lecture, Boise State Physics First Friday Astronomy Event; Boise, ID
“*Fast Radio Bursts and Discovering Unknowns in Astronomy*”
- 03/06/2019 Radio Interview on “*Idaho Matters*”, Boise State Public Radio
“*Outer Space Light Phenomenon Central To Boise State Lecture Friday*”
- 11/09/2019 Berkeley Public Library Talk; Berkeley, CA
“*The Origin of Gold*”
- 05/02/2019 Berkeley Astro Night Public Talk; Berkeley, CA
“*Who ordered this??? A tale of cold war satellites, microwave ovens, and little green men in the story of discovering the unexpected*”

CONFERENCE & WORKSHOP TALKS

- 09/14/2022 ZTF Theory Network Meeting; Santa Margarita, CA
“*From Radio to X-ray: Developments in Modeling Shock-Powered Transients*”
- 09/01/2022 Invited plenary talk — 14th Conference on the Intersections of Particle and Nuclear Physics CIPANP 2022; Orlando, FL
“*Mergers, kilonovae, and two-solar-mass neutron stars: What does astrophysics tell us about the nuclear EoS?*”
- 07/06/2022 Invited talk — Astrophysics with the CMB-S4 Survey Workshop; remote
“*Modeling Millimeter Emission from Mildly Relativistic Outflows*”
- 10/27/2021 NHFP Fellows Symposium; remote

"Transients from Circumstellar Interaction"

- 06/14/2021 TCAN Collaboration workshop on BNS and NS-BH mergers; remote
- 06/14/2021 Invited talk — ECT* workshop: Neutron stars as multi-messenger laboratories for dense matter; Trento, Italy (remote)
"Electromagnetic observations from NS mergers"
- 09/24/2020 NHFP Fellows Symposium; remote
"A Rosetta Stone for FRBs?"
- 08/25/2020 Invited talk — N₃AS Zoom Seminar; remote
"Constraining Cold Dense Matter Using Multi-Wavelength & Multi-Messenger Observations of Merging Neutron Stars"
- 07/07/2020 Invited talk — FRB 2020; remote
"Models for FRB Progenitors"
- 04/07/2020 Invited talk — KIPAC Tea Talk (remote); KIPAC, Palo Alto, CA
"How to Make a Fast Radio Burst (maybe?!)"
- 02/03/2020 Invited talk — The Astrophysics of Fast Radio Bursts; Flatiron Institute, New York, NY
"Fast Radio Bursts: Overview of Engine Models"
- 01/15/2020 Invited talk — Gravitational Wave Searches and Parameter Estimation in the Era of Detections; Schloss Ringberg, Germany
"NS Merger Remnants and the Nuclear EOS: a Multi-Messenger View"
- 10/21/2019 NHFP Fellows Symposium; Washington, DC
"Fast Radio Bursts: Recent Advances in Theory vs Observations"
- 09/25/2019 Invited talk — Multi-Messenger Astrophysics in the Gravitational Wave Era; YITP, Kyoto, Japan
"NS merger remnants and the nuclear EOS"
- 09/21/2019 ZTF Theory Network Meeting; Santa Margarita, CA
"Dilemma of repeating and non-repeating FRBs"
- 08/28/2019 Astrophysics in the LIGO/Virgo Era; Aspen Center for Physics, Aspen, CO
"EM signatures of BH-NS mergers"
- 05/05/2019 The New Era of Gravitational-Wave Physics and Astrophysics; KITP, Santa Barbara, CA
"What have we really learned about the nuclear equation of state from GW170817?"
- 04/14/2019 Invited talk — APS April Meeting; Denver, CO
"Multi-Messenger Constraints on Neutron Stars"
- 02/19/2019 Invited talk — Fast Radio Bursts and their Possible Neutron Star Origins; Amsterdam, Netherlands
"A Magnetar Model for FRBs"
- 01/04/2019 Invited talk — Xiamen-CUSTIPEN Workshop on the EOS of Dense Neutron-Rich Matter in the Era of Gravitational Wave Astronomy; Xiamen, China
"The More The Merrier: Multi-Messenger Science with Gravitational Waves"

- 12/11/2018 Invited talk — The Origin of Fast Radio Bursts; Weizmann Institute, Israel
"A concordance magnetar model"
- 11/30/2018 Invited talk — Toronto FRB Day; Toronto, Canada
"FRB progenitor models, a current state of affairs"
- 11/17/2018 Invited talk — N3AS Meeting; Berkeley, CA
"Constraining the NS EOS with Multi-Messenger Observations of Binary NS Mergers"
- 10/02/2018 Einstein Fellows Symposium; Harvard-Smithsonian CfA, Cambridge, MA
"FRBs as flaring magnetars, and their connection to SLSNe and LGRBs"
- 07/28/2018 ZTF Theory Network Meeting; Santa Barbara, CA
"The Connection Between GRBs and Superluminous Supernovae"
- 07/12/2018 Invited talk — GRBs and SNe: From the Central Engines to the Observer; Paris-Saclay University, France
"Engine driven transients: relating GRBs, SLSNe and FRBs to the birth of magnetars"
- 07/05/2018 Invited talk — 15th Marcel Grossmann Meeting; Rome, Italy
"White Dwarf – Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 07/05/2018 Invited talk — 15th Marcel Grossmann Meeting; Rome, Italy
"Multi-messenger Constraints on the Nuclear EOS: GW170817 and the future ahead"
- 07/03/2018 15th Marcel Grossmann Meeting; Rome, Italy
"Unveiling the Engines of FRBs, SLSNe and GRBs"
- 05/30/2018 Nuclear astrophysics in the new era of multi-messenger astronomy; Columbia, New York, NY
"Constraining the NS EOS with Multi-Messenger Observations of GW170817"
- 03/13/2018 JINA-INT Symposium: First multi-messenger observations of a neutron star merger and its implications for nuclear physics; INT, Seattle, WA
"Constraining the NS EOS with Multi-Messenger Observations of GW170817"
- 12/12/2017 Astrophysics from a NS Merger; KITP, Santa Barbara, CA
"Constraining the NS EOS with Multi-Messenger Observations of GW170817"
- 11/20/2017 The Astrophysics of NS Mergers; Flatiron Institute, NY
"Constraining the NS EOS with Multi-Messenger Observations of GW170817"
- 10/21/2017 Rapid Response Workshop: Binary NS Merger; Columbia University, NY
"Constraining the NS EOS with Multi-Messenger Observations of GW170817"
- 08/08/2017 TeV Particle Astrophysics 2017; Columbus, OH
"Connecting Superluminous Supernovae, Gamma-ray Bursts, and Fast Radio Bursts to the Birth of Millisecond Magnetars"
- 07/06/2017 The Physics of Extreme Gravity Stars; NORDITA, Stockholm, Sweden
"Rapidly-Evolving Transients from White Dwarf-Neutron Star Mergers"
- 11/18/2016 Radcliffe Transients Workshop; Cambridge, MA
"White Dwarf Neutron Star Mergers and Fast Optical Transients"

11/17/2016 Radcliffe Transients Workshop; Cambridge, MA
"Radio Counterparts of Binary NS Mergers - Aspherical Geometry"

COLLOQUIA & SEMINAR TALKS (UPCOMING[†])

- 01/24/2023[†] Invited talk — Seminar; Max Planck Institute for Gravitational Physics (Albert Einstein Institute); remote
TBD
- 01/10/2023[†] Invited talk — Astronomy Seminar; McGill Space Institute
TBD
- 12/15/2022[†] Invited talk — Joint Colloquium; NRAO and University of Virginia
TBD
- 12/13/2022[†] Invited talk — Theory Seminar; Johns Hopkins University
TBD
- 07/05/2022 Invited talk — Astrophysics Seminar; University College London
"New Frontiers in Astrophysics: Harnessing Multi-Messenger and Time-domain Astronomy"
- 03/17/2022 Invited talk — Physics Colloquium; Oregon State University
"Lightning and Thunder: Probing the Extreme Universe using both Electromagnetic and Gravitational Waves"
- 03/03/2022 Invited talk — Joint Astronomy & Physics Colloquium, The Josephine Lawrence Hopkins Foundation Colloquium; Cornell University
"New Frontiers in Relativistic Astrophysics: Harnessing Multi-Messenger and Time-domain Astronomy"
- 03/02/2022 Invited talk — Astrophysics Lunch Seminar; Cornell University
"The 'Explosion' of Transients across the Electromagnetic Spectrum"
- 02/10/2022 CMB-S4 Sources Telecon; remote
"Thermal Electrons and mm Emission in Shock-Powered Transients"
- 01/27/2022 Invited talk — High-Energy Astrophysics Seminar; Hebrew University of Jerusalem
"Circumstellar Interaction in Extreme Supernovae"
- 01/25/2022 Invited talk — HEPAP Seminar; Penn State University
"Circumstellar Interaction in Extreme Supernovae"
- 03/16/2021 Invited talk — Colloquium; Northwestern University Physics and Astronomy Department
"Unravelling the Mystery of Fast Radio Bursts"
- 02/18/2021 Invited talk — Colloquium; UC Berkeley Astronomy Department
"Unravelling the Mystery of Fast Radio Bursts"
- 04/30/2021 Center for Computational Relativity and Gravitation Lunch Talk; Rochester Institute of Technology (remote)
"The remnants of NS mergers: inferences and implications"
- 12/02/2020 Invited talk — Astrophysics Seminar; University of Birmingham (remote)
"Using Neutron Star Mergers to Probe Properties of Dense Nuclear Matter"

- 11/5/2020 Invited talk — Astrophysics Seminar; Bar-Ilan University (remote)
"Multi-messenger Constraints on the Equation-of-State of Dense Nuclear Matter"
- 03/06/2019 Invited talk — Astronomy Seminar; Boise State University, Boise, ID
"Fast Radio Bursts: an introduction and current state of affairs"
- 11/21/2019 Invited talk — Theoretical Physics Institute Seminar; University of Alberta, Edmonton, Canada
"Fast Radio Bursts: State of the Field and Theoretical Models"
- 07/03/2019 Lunch Talk; UC Berkeley, CA
"A, B, C, D, E, FRB, GRB?"
- 02/08/2019 Graduate Student Postdoc Seminar; UC Berkeley, CA
"Black Hole or Neutron Star? The fate of GW170817, its scientific implications, & the dawn of multi-messenger astronomy"
- 01/08/2019 Invited talk — Seminar; T.D. Lee Institute, Shanghai, China
"FRBs: Observational Constraints and the Magnetar Model"
- 12/18/2018 Invited talk — Astrolunch Seminar; Hebrew University, Jerusalem, Israel
"Extracting Scientific Value from Transients in the Multi-Messenger Gravitational Wave Era"
- 01/16/2018 Invited talk — Informal Seminar; Institute for Advanced Study, Princeton, NJ
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 01/11/2018 Invited talk — Seminar; Technion, Haifa, Israel
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 12/20/2017 Invited talk — Astronomy & Astrophysics Seminar; TAU, Tel-Aviv, Israel
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 12/15/2017 Invited talk — TAPIR Seminar; Caltech, Pasadena, CA
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 12/08/2017 Lunch Talk; Carnegie Observatories, Pasadena, CA
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 12/04/2017 Invited talk — TAC Seminar; UC Berkeley, Berkeley, CA
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 12/01/2017 FLASH Seminar; UC Santa-Cruz, Santa-Cruz, CA
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 10/31/2017 Invited talk — CCAPP Seminar; Ohio State University, Columbus, OH
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 10/23/2017 Brown Bag Lunch Talk; MIT, Cambridge, MA
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 10/12/2017 Thunch Seminar; Princeton, Princeton, NJ
"White Dwarf - Neutron Star Mergers: from Peculiar Supernovae to Pulsar Planets"
- 09/15/2017 Astrofest 2017; Columbia University, New York, NY
"Connecting Superluminous Supernovae, Gamma-ray Bursts, and Fast Radio Bursts to the Birth of Millisecond Magnetars"

- 09/09/2016 Astrofest 2016; Columbia University, New York, NY
"White Dwarf Neutron Star Mergers and the Things that They Do"
- 07/13/2016 Explosive Astro Meeting; UC Berkeley, Berkeley, CA
"Accretion Flows Following White Dwarf Neutron Star Mergers"
- 04/07/2016 Invited talk — ITC Luncheon; Harvard CfA, Cambridge, MA
"Accretion Flows Following White Dwarf Neutron Star Mergers"
- 09/11/2015 Astrofest 2015; Columbia University, New York, NY
"Does the Collapse of a Supramassive Neutron Star Leave a Debris Disk?"
- 06/28/2015 GRB Meeting; Hebrew University, Jerusalem, Israel
"Does the Collapse of a Supramassive Neutron Star Leave a Debris Disk?"

SELECTED SUCCESSFUL PROPOSALS & GRANTS

- 2022 Co-Investigator, VLA Proposal: *"Deep Radio Observations of a Binary Neutron Star Merger"* (PI Joe Bright)
- 2022 Co-Investigator, Chandra X-ray Observatory Proposal, Cycle 21: *"The First High Frequency Search for Persistent FRB Counterparts"* (PI Tarraneh Eftekhari)
- 2021 Co-Investigator, NOEMA Proposal: *"The Landscape of Relativistic Stellar Explosions"* (PI Anna Ho)
- 2021 Co-Investigator, NuSTAR Guest Observer Program, Cycle 7: *"A Search for the First X-ray Counterpart to an Extragalactic FRB"* (PI Charlie Kilpatrick)
- 2021 Co-Investigator, VLA Proposal: *"Uncovering Evidence for the Birth of a Magnetar in SGRB 200522A"* (PI Genevieve Schroeder)
- 2021 Co-Investigator, VLA Proposal: *"Unveiling the Engines of Superluminous Supernovae with the VLA"* (PI Tarraneh Eftekhari)
- 2020 Co-Investigator, VLA Proposal: *"Constraining the Origin of the First Radio Source Associated with an SLSN"* (PI Tarraneh Eftekhari)
- 2019 Co-Investigator, Chandra X-ray Observatory Proposal, Cycle 21: *"Testing the Origin of the First Radio Source Associated with a Superluminous Supernova Using Chandra"* (PI Tarraneh Eftekhari)
- 2019 Co-Investigator, Arecibo Observatory DDT Proposal: *"A Search for Fast Radio Bursts from the Superluminous Supernova PTF10hgi"* (PI Tarraneh Eftekhari)
- 2019 Co-Investigator, ALMA Proposal: *"Testing the Connection Between Fast Radio Bursts and Superluminous Supernovae with ALMA"* (PI Tarraneh Eftekhari)
- 2019 Co-Investigator, VLA Proposal: *"The First Radio Source Associated with a SLSN: Constraining the SED"* (PI Tarraneh Eftekhari)
- 2019 Co-Investigator, VLA Proposal: *"The First Radio Source Associated with a SLSN: Resolving the Emission"* (PI Tarraneh Eftekhari)
- 2019 Co-Investigator, VLA Proposal: *"Testing the Connection Between Fast Radio Bursts and Superluminous Supernovae"* (PI Tarraneh Eftekhari)
- 2018 Principal Investigator, NASA Hubble Fellowship Program: *"Interpreting the Diverse Transient Sky"*