

Mor Rozner - Curriculum Vitae

17 October 2025

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Citations: [NASA ADS](#), [ORCID](#), [Google scholar](#)

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POSITIONS	Combined two postdoc prize fellowships (2024/5-): • Institute for Advanced Study (IAS) member & • Junior research fellow (JRF), Gonville & Caius College, Cambridge
EDUCATION	PhD, Physics, Technion - Israel Institute of Technology , Haifa, Israel 2019/20 - 2024 MSc, Physics, Technion - Israel Institute of Technology , Haifa, Israel 2017/18-2019 BSc, Physics and Mathematics 2017 Technion - Israel Institute of Technology , Haifa, Israel Magna cum laude Physics department honors program From High School to the Technion Program ¹
PRIZES, GRANTS & FELLOWSHIPS	• West hub small grant for conference organization, co-PI Barry Ginat 2025 • Israel Physics Society (IPS) Prize – Yoel Rakah Prize for theory students 2024 • Rothschild fellowship 2024 • Duncombe student research prize (DDA AAS 2022) 2022 • Azrieli national prize fellowship 2021/2-2024 • BSc graduation, Magna cum laude (Technion) 2017 • Young Weizmann scholars (Weizmann Institute of science) 2016,2017 • Physics department honors program scholarship (Technion) 2015-2017 • Dean list (Technion) 2015,2017
ACADEMIC SERVICE & OUTREACH	• Reviewer for APJL, APJ, MNRAS, Icarus, Physical Review D, E, Letters 2026 • DDA AAS 57 (planned), SOC member 2025/6 • Astrophysics seminars comittee, IAS 2025 • Co-organizer and co-founder of dynamics lunch meetings, Cambridge June 2025 • Co-organizer and co-founder of DYNAMIX, Cambridge 2024/5 • IoA astrophysics colloquium committee, Cambridge 2024/5 • ExoCam – exoplanet seminar organizing committee, Cambridge 2024/5 • Member of the Regent House, University of Cambridge 2024/5 • Co-organizer of AsCoS IV– Astrophysics & cosmology students conference August 2024 • Chair in DDA AAS 55 April 2024 • Physics colloquium committee at the Technion 2023/4 • Co-organizer of AsCoS III– Astrophysics & cosmology students conference August 2023 • Chair in DDA AAS 53 April 2022 • Member in the fellows to fellows Azrieli committee 2022-2024 • DPS AAS 53 discussion moderator October 2021 • AAS 238 Chambliss Judge June 2021 • Chair of iposter session at AAS 238 June 2021 • GOC (Global Organization Comittee) at Exoplanets III, Heidelbrg, Germany July 2020

¹Admitted through the Technion Early-Admission Program, an entry scheme allowing university studies prior to standard high-school completion.

- **Founder and organizer** of *graduate students weekly seminar*, Technion summer 2019 , spring 2023

TEACHING EXPERIENCE	• Teaching Assistant - Electromagnetism & Electrodynamics, Advanced undergraduate course spring 2021,2022 • Teaching Assistant/coordinator - Physics department honors program 2023/4 • Teaching Assistant - scientific discoveries spring 2023/4
SUPERVISION	• Jamie Erak, summer student, IoA, Cambridge 2025 Now is about to begin graduate studies in Oxford • Wenkang Xin, David and Bridget Jacobs Internship Programme, IoA, Cambridge 2025 • Archie McNamara, part III student (master's level program) in Cambridge, Supervisor: Mor Rozner, UTO: Oliver Shorttle, 2024/5
PROFESSIONAL ACADEMIC DEVELOPMENT	• 2020 Planet Formation Program: From Dust Coagulation to the Final Orbital Assembly (virtual part due to COVID19) June 2020 • (Canceled due to COVID19) Other Worlds Laboratory summer program 2020 – Santa Cruz
TALKS	• Multiplicity in young stars, Copenhagen August 2025 • Astro seminar, University of Exeter June 2025 • SPIMAX seminar, university of Oxford June 2025 • Astrophysics seminar, Bath May 2025 • MCR-SCR talk, Gonville & Caius, Cambridge May 2025 • IAS Astrophysics seminar, IAS, Princeton May 2025 • Astrolunch seminar , Hebrew University of Jerusalem April 2025 • Astrobiology and Planetary Exploration (APEX) seminar, UCL March 2025 • Caius Science network, Cambridge March 2025 • IAS astrophysical waves conference, IAS, Princeton January 2025 • Astronomy seminar, Warwick (invited) November 2024 • Dynamics group meeting, Oxford November 2024 • IoA seminar, Cambridge October 2024 • New ideas on the origins of BH mergers, Niels Bohr Institute, Copenhagen August 2024 • Astrophysics seminar, Weizmann Institute July 2024 • Astrophysics seminar (invited), Ben Gurion University, Israel June 2024 • Physics faculty retreat, Technion May 2024 • DDA AAS 55 (contributed talk), University of Toronto May 2024 • PhD final seminar, Technion April 2024 • DAMTP astrophysics seminar, Cambridge February 2024 • SPIMAX seminar, university of Oxford February 2024 • Astronomy & astrophysics seminar, Tel Aviv university February 2024 • Thunch seminar, Princeton October 2023 • IAS coffee, Princeton October 2023 • CCA planet group meeting seminar October 2023 • Columbia department astrophysics seminar October 2023 • TAPIR seminar, Caltech October 2023 • TAC seminar, Berkeley October 2023

• Two in a million (virtual contributed talk), Garching, Germany	September 2023
• Amaldi conference (virtual contributed talk)	July 2023
• Massive Triples, Binaries and Mergers 2023, Leuven, Belgium (contributed talk)	July 2023
• European Astronomical Society (virtual contributed talk)	July 2023
• NAM 2023, Cardiff (contributed talk)	July 2023
• ARCO seminar, the open university, Israel (invited talk)	May 2023
• DDA AAS 54 (virtual contributed talk)	May 2023
• Israel Physical Society (IPS) conference (contributed talk)	April 2023
• Gravity group meeting, Niels Bohr institute Copenhagen (invited)	December 2022
• TAC seminar, Berkeley	September 2022
• COMPAS meeting, Monash university, Australia (invited)	August 2022
• Astro seminar, Monash university, Australia (invited)	August 2022
• Black hole workshop, Niels Bohr institute, Copenhagen (invited)	May 2022
• Science happy hour, Northwestern (virtual)	May 2022
• CCA planet group meeting (virtual)	April 2022
• DDA AAS 53, CCA	April 2022
• TAPIR seminar, Caltech (invited)	April 2022
• CIPS seminar, Berkeley (invited)	April 2022
• Planetary lunch seminar, Santa Cruz university (invited)	April 2022
• MIT Kavli lunch talk (virtual)	April 2022
• Thunch seminar, Princeton (virtual)	April 2022
• CCA Astro data community meeting (virtual)	March 2022
• Aspen winter conference 2022, virtual talk (contributed talk)	January 2022
• Origins seminar, university of Arizona (virtual contributed talk)	October 2021
• DPS AAS 53, virtual (contributed talk)	October 2021
• Stellar dynamics and evolution group meeting, Lund university (virtual invited talk)	June 2021
• High energy seminar, Hebrew University (invited talk)	June 2021
• AAS 238, virtual (contributed talk)	June 2021
• Astronomy Colloquium, university of Maryland, postponed (invited talk)	June 2021
• DDA AAS 52, virtual (contributed talk)	May 2021
• Israel Physical Society (IPS) conference, virtual (contributed talk)	February 2021
• DDA AAS 51, virtual (contributed talk)	August 2020
• Israel Physical Society (IPS) conference, Weizmann Institute, Israel (contributed talk)	February 2020
• Rocky Worlds: from the Solar System to Exoplanets, Kavli Institute for Cosmology, Cambridge, UK (contributed talk)	January 2020
• MSc graduation seminar, Technion, Israel	April 2019

Publications:

PUBLISHED

17. Su, Rowan & **Rozner**, Gas meets Kozai: the influence of a gas-rich accretion disc on hierarchical triples undergoing von Zeipel-Lidov-Kozai oscillations, *MNRAS*, 543, 2 (2025)
16. Zenati, Yossef ; Wang, Qinan ; Bobrick, Alexey ; DeMarchi, Lindsay ; Glanz, Hila ; **Rozner, Mor** et al, *Evidence for Extended Hydrogen-Poor CSM in the Three-Peaked Light Curve of Stripped Envelope Ib Supernova*, *APJ*, 992, 1 (2025)

15. **Rozner** & Ramirez-Ruiz, Stellar distributions around supermassive black holes in gas-rich nuclear star clusters, *APJL*, 988, 1 (2025)
14. **Rozner M.**, Trani A., Samsing J., Perets H.B., The formation of mini-AGN disks around IMBHs and their dynamical implications, *MNRAS*, 537, 2 (2025)
13. Zenati Y., **Rozner M.**, Krolik J.H., Most E.R., Mass transfer in eccentric black hole – neutron star mergers, *APJ*, 978, 2 (2025)
12. **Rozner M.** & Perets H. B., Soft no more: gas shielding protects soft binaries from disruption in gas-rich environments, *APJ*, 968, 2 (2024)
11. **Rozner M.** & Perets H. B. , *Born to be wide: the distribution of wide binaries in the field and soft binaries in clusters*, *APJ*, 955, 2 (2023)
10. **Rozner, M.**, Generozov A. & Perets H.B., *Binary formation through gas-assisted capture and the implications for stellar, planetary and compact-object evolution*, *MNRAS*, 521,1 (2023)
9. **Rozner, M.** & Perets H.B., *Binary evolution, gravitational-wave mergers and explosive transients in multiple-populations gas-enriched globular-clusters*, *APJ*, 931,2 (2022)
8. **Rozner, M.**, Glanz H. , Perets, H. B. and Grishin, E., *Inflated Eccentric Migration of Evolving Gas-Giants I: Accelerated Formation and Destruction of Hot and Warm Jupiters*, *APJ*, 931, 1 (2022)
7. Glanz H., **Rozner, M.** , Perets, H. B. and Grishin, E., *Inflated Eccentric Migration of evolving gas giants II: Numerical methodology and basic concepts*, *APJ*, 931, 1 (2022)
6. **Rozner, M.**, Veras, D. & Perets, H. B., Rapid destruction of planetary debris around WDs through wind erosion, *MNRAS*, 502, 4 (2021)
5. **Rozner, M.**, Grishin, E., Perets, H. B., *The Wide-Binary Origin of The Pluto-Charon System*, *MNRAS*, 497, 4 (2020)
4. Grishin, E., **Rozner, M.** , Perets, H. B., *Erosion-driven Size Redistribution of Protoplanetary Disk Solids and the Onset of Streaming Instability and Pebble Accretion*, *APJL*, 898,1 (2020)
3. **Rozner, M.**, Grishin, E., Perets, H. B., *The aeolian-erosion barrier for the growth of metre-size objects in protoplanetary discs*, *MNRAS*, 496, 4 (2020)
2. **Rozner, M.**, Grishin, E., Ginat, Y. B., Igoshev, A. P., Desjacques, V., *Axion resonances in binary pulsar systems*, *JCAP*, Issue 03 (2020)
1. **Rozner, M.**, Desjacques, V., *Backreaction of axion coherent oscillations*, *Physical Review D*, Volume 98, Issue 2 (2018)

Voluntary & Outreach

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| • STEMPOINT – supervised a Year 12 student on a research project | summer 2025 |
| • Cambridge Science Festival, popular public lecture | March 2025 |
| • Short interview for the international women day, IoA, Cambridge | March 2025 |
| • Volunteer in 'memory in the living room' (Zikaron BaSalon)
a social initiative to preserve Holocaust memory and honor and support Holocaust survivors | 2021-2024 |