

Fall 2019

R E S U M E – short version

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ACADEMIC DEGREES

- | | |
|------|--|
| 1999 | Ph.D., Physics (<i>Summa cum laude</i>), The Hebrew University |
| 1997 | LL.B., Faculty of Law, The Hebrew University |
| 1994 | M.Sc., Physics (<i>Magna cum laude</i>), The Hebrew University |
| 1992 | B.Sc., Physics and Mathematics (<i>Magna cum laude</i>), The Hebrew University |

ACADEMIC APPOINTMENTS

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| 2018 - | Department of Physics, Technion, Dean |
| 2015 – 2017 | Visiting Professor, Department of Astronomy,
University of Maryland College Park |
| 2009 - 2014 | Asher Space Research Institute (ASRI), Technion – Director |
| 2007 - 2009 | Senior NPP Fellow, NASA / Goddard Space Flight Center |
| 2002 - | Faculty, Department of Physics, Technion |
| 1999 - 2002 | Post-Doctorate Research Scientist, Columbia Astrophysics Laboratory,
Department of Physics, Columbia University |

RESEARCH INTERESTS

Observational Astrophysics, Instrumentation, X-Ray Spectroscopy, Atomic Computations & Laboratory Astrophysics, Space Science

HONORS

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|-------------|--|
| 2015 - 2018 | EC Marie Curie Global Program Fellowship |
| 2007 - 2009 | NPP Fellowship for Senior Scientists / NASA |
| 2005 | The Krill Prize for Outstanding Young Researchers awarded by the Wolf Foundation |
| 2002 - 2005 | The Yigal-Alon Fellowship awarded by The Israeli Council of Higher Education |
| 1999 - 2000 | The Rothschild Postdoctoral Fellowship |
| 1996 -1999 | The Charles Clore Fellowship for Outstanding Scholars in the Natural Sciences |

Former advisor to 6 post docs & 14 graduate students (4 active)

Author and co-author of more than 180 papers in peer reviewed Physics and Astrophysics journals

Few Selected Recent Refereed papers

- I. Gissis, E. Behar, A. Fisher, S. Aricha, E. Yeger, U. Avni, and I. Schnitzer
GLIDER - A pulsed-current generator for laboratory astrophysics X-ray absorption experiments
Accepted by Rev. Sci. Inst. 2020.
- I. Gissis, U. Peretz, & E. Behar
The ionic composition of the local absorber towards 3C 273 Accepted to MNRAS 2020
- E. Behar, S. Kaspi, G. Paubert, N. Billot, U. Peretz, R. Baldi, A. Laor, J. Kaastra, & M. Mehdipour
Millimeter-wave and X-ray monitoring of NGC 7469
Monthly Notices of the Royal Society, 491, 3523 (2020)
- R. Rahin & E. Behar
Cosmological evolution of the absorption of γ -ray burst X-ray afterglows
The Astrophysical Journal, in press; <https://arxiv.org/pdf/1908.10420>
- S. Ben-Haim, E. Behar, and R. Mushotzky
X-ray spectrum of RBS 315: Absorption or intrinsic curvature
The Astrophysical Journal, in press; <https://arxiv.org/pdf/1907.08866.pdf>
- U. Peretz, J.M. Miller, and E. Behar
Direct Observation of the Broad Line Region in X-Rays during the Low State of NGC 4051
The Astrophysical Journal, 879, 102 - 108 (2019)
- F. Panessa, R.D. Baldi, A. Laor, P. Padovani, , E. Behar, and I. McHardy
The origin of radio emission from radio-quiet AGN
Nature Astronomy 3, 387 – 396 (2019)
- U. Peretz and E. Behar
Classifying AGN by X-Ray hardness variability
Monthly Notices of the Royal Society, 481, 3563 (2018)
- E. Behar et al.
Multi-wavelength campaign on NGC7469 I. The rich 640 ks RGS spectrum
Astronomy & Astrophysics, 601, 17 - 26 (2017)
- K. Fukumura, D. Kazanas, C. Shrader, E. Behar, F. Tombesi, and I. Contopoulos
Magnetic Origin of Black Hole Winds Across the Mass Scale
Nature Astronomy, 1, 62 - 65 (2017)
- L. Yacobi, D. Guetta, and E. Behar
Implications of the Non-Detection of GZK Neutrinos
The Astrophysical Journal 823, 89 - 94 (2016)
- E. Behar, R.D. Baldi, A. Laor, A. Horesh, J. Stevens, and T. Tzioumis
Discovery of Millimeter-Wave Excess Emission in Radio-Quiet Active Galactic Nuclei
Monthly Notices of the Royal Society, 451, 5036 – 5045 (2015)
- E. Nardini et al.
Black hole feedback in the luminous quasar PDS 456
Science 347, 860 – 863 (2015)
- J. Kaastra et al.
A fast and long-lived outflow from the supermassive black hole in NGC 5548
Science, 345, 64 - 67 (2014)
- N. Brosch, V. Balabanov, and E. Behar
Small observatories for the UV
Astrophysics and Space Science, 354, 205 - 209 (2014)