**THE RAYMOND AND BEVERLY SACKLER INSTITUTE OF ASTRONOMY**

**PUBLICATIONS 2007**

**The following are publications in refereed journals of members of the Sackler Institute of Astronomy:**
Almoznino, E., Barkana, R., Beck, S. C., Brosch, N., Broadhurst, T. J., Contini, M., Formiggini, L., Goldman, I., Kaspi, S., Kozlovsky, B-Z., Leibowitz, E. M., Levinson, A., Maoz, D., Mazeh, T., Netzer, H., Rephaeli, Y., Sternberg, A. and Zucker, S.

**Research workers and graduate students:**
Almog. U., Angeloni, R., Arielli, Y., Bar-Or, C., Barzillay, Y., Boger, G., Bromberg, O., Finkelman, I., Dzigan, Y., Horesh, A., Gemel, S., Gnat, O., Hoory, E., Lemze, D., Lipkin, Y., Medezinski, E., Moran, A., Naaman, M., Naoz, S., Ofir, A., Polishook, D., Poznanski, D., Rathouse, B., Tamuz, O., Sadeh, S., Segal, Y., Sharon, K., Schjvarg, L. S., Sirotkin, A., Shporer, A., Trakhtenbrot, B., and Zoran, O.

**PAPERS PRINTED IN JOURNALS**

**Angeloni, R., Contini, M**., Ciroi, S. and Rafanelli, P. *"Silicates in D-type symbiotic stars: an ISO overview"*, AJ. 134: 205-213, 2007.

**Angeloni, R., Contini, M**., Ciroi, S. and Rafanelli, P. *"The symbiotic star H1-36. A composite model of line and continuum spectra from radio to ultraviolet",* A&A. 471: 825-832, 2007.

**Angeloni, R., Contini, M.,** Ciroi, S. and Rafanelli, P. *"Gas and dust spectra of the D' type symbiotic star HD 330036* ", A&A. 472: 497, 2007.

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**Bromberg, O.** and **Levinson A**. *"Hydrodynamic Collimation of Relativistic Outflows: Semianalytic Solutions and application to Gamma-Ray Burst",* ApJ. 671: 678, 2007.

**Brosch, N.,** Davies, J., Festou, M. and Gérard, J. C. *"A View to the Future: Ultraviolet Studies of the Solar System"*, Astrophys. Space. Sci. (2005) 303: 103-122.

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*based on observations obtained with the South African Large Telescope (SALT)

**Contini, M**. and Contini, T. *"Comparison of dust-to-gas ratios in luminous, ultraluminous and hyper luminous infrared galaxies*", Astronomical Notes (Astronomische Nachrichten), 328: 953, 2007

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**Levinson, A**. *"On the Origin of Rapid Flares in TeV Blazers",* ApJ. 671: L29, 2007.

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## PAPERS PRESENTED AT MEETINGS

**Angeloni, R., Contini, M.,** Ciroi, S. and Rafanelli, P. *"Gas and dust spectral analysis of the D'-type symbiotic star HD330036",* to appear in the proceedings of Asymmetric Planetary Nebulae IV Meeting - La Palma, Spain, June 2007.

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**Levinson, A**. *"Phenomenology of Gamma-Ray Jets",* Proceedings, Huangshan meeting on "Astrophysics of Compact Objects".

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## ASTRONOMICAL CIRCULARS AND BULLETINS

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## IN PRESS

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