

## Abraham Loeb - LIST OF RELATED PUBLICATIONS

### Books

1. Loeb, A. “*How Did the First Stars and Galaxies Form?*”, Princeton University Press, Frontiers in Physics Series, undergraduate level (to appear in July 2010).
2. Loeb, A., & Furlanetto, S., “*The First Galaxies*”, Princeton University Press, in preparation, graduate level textbook (to appear in Spring 2012).

### Papers

1. Munoz, J. A., Trac, H., & Loeb, A. “Galaxy Statistics in Pencil-beam Surveys at High Redshifts”, MNRAS, submitted, 2009. [arXiv:0906.2782]
2. Dijkstra, M., & Loeb, A., “Lyman Alpha ‘Blobs’ as an Observable Signature of Cold Accretion Streams into Galaxies”, MNRAS, **400**, 1109, 2009.
3. Cen, R., McDonald, P., Trac, H., & Loeb, A. “Probing the Epoch of Reionization with the Lyman Alpha Forest at  $z \sim 4-5$ ”, ApJ, **706**, L164, 2009.
4. Dijkstra, M., & Loeb, A., “Upper Limit on Dimming of Cosmological Sources by Intergalactic Grey Dust Based on the Soft X-ray Background”, MNRAS, **397**, 4, 2009.
5. Pritchard, J., Loeb, A., & Wyithe, J.S.W. “Constraining Reionization Using 21-cm Observations in Combination with CMB and Lyman-alpha Forest Data”, MNRAS, in press, 2009. [arXiv:0908.3891]
6. Munoz, J. A., Madau, P., Loeb, A., & Diemand, J. “Probing the Epoch of Reionization with Milky-Way Satellites”, MNRAS, **400**, 1593, 2009.
7. Birnboim, Y., & Loeb, A. “The Kinetic Sunyaev-Zel’dovich effect of the Milky Way Halo“, JCAP, **6**, 008, 2009. [arXiv:0903.3943]

8. Broderick, A., & Loeb, A. “Portrait of a Black Hole”, *Scientific American*, Dec. issue, 42, 2010. [<http://cfa-www.harvard.edu/~loeb/sciam2.pdf>]
9. Shen, Y., & Loeb, A. “Identifying Supermassive Black Hole Binaries With Broad Emission Line Diagnosis”, *MNRAS*, submitted, 2009. [arXiv:0912.0541]
10. Loeb, A. “Electromagnetic Signature of Galactic Black Hole Binaries That Enter Their Gravitational-Wave Induced Inspiral”, *Phys. Rev. D* **81**, 047503, 2010.
11. Lacki, B. C., Thompson, T. A., Quataert, E., Loeb, A., & Waxman, E. “On The GeV & TeV Detections of the Starburst Galaxies M82 & NGC 253”, *ApJ*, submitted, 2010. [arXiv:1003.3257]
12. Barkana, R., & Loeb, A. “Concentrating the Dark Matter in Galaxy Clusters through Tidal Stripping of Baryonically-Compressed Galactic Halos”, *MNRAS*, in press, 2010. [arXiv:0907.1102]