

**BIBLIOGRAPHY****Antoinette Songaila Cowie****1. Papers in Preparation**

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GRB050904: A Very High Redshift Gamma Ray Burst.
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**2. Papers in Refereed Journals**

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### 3. Conference Proceedings & Abstracts

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Putting Metals into the Intergalactic Medium.
- A. Songaila, in "Open questions in Cosmology: The First Billion Years", MPA/ESO/ MPE/USM Joint Astronomy Conference, held August 22–26, 2005 in Garching, Germany. Online proceedings at <http://www.mpa-garching.mpg.de/~cosmo/2005/Proceedings/index.html>.  
Observations of Metals in the Intergalactic Medium.
- D. Reimers, C. Fechner, G. Kriss, M. Shull, R. Baade, W. Moos, A. Songaila, & R. Simcoe (2004), in "Astrophysics in the Far Ultraviolet: Five Years of Discovery with FUSE", ASP Conf. series, eds. G. Sonneborn, W. Moos & B-G Andersson.  
FUSE Observations of the HeII Lyman Alpha Forest Towards HS1700+6416
- A. Songaila, in "Galaxy–Intergalactic Medium Interactions", held October 25–29, 2004 at Kavli Institute for Theoretical Physics, University of California, Santa Barbara. Online proceedings at [http://online.itp.ucsb.edu/online/igm\\_c04/cowie1/](http://online.itp.ucsb.edu/online/igm_c04/cowie1/).  
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  - A. Songaila, in “The First Generation of Cosmic Structures”, First Harvard–Smithsonian conference on Theoretical Astrophysics, Held May 15–18, 2000 at Harvard University. Online proceedings at [http://cfa-www.harvard.edu/apconf/media\\_links.html](http://cfa-www.harvard.edu/apconf/media_links.html).  
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Metal Enrichment — From the Lyman Alpha Forest to Damped Systems.
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FUSE Observations of HeII Absorption in the Intergalactic Medium Toward HE2347-4342: Opacity and Fluctuations

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Uncertainties in the Determination of Primordial D/H

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The Redshift Distribution in the Hubble Deep Field
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Near Infrared Galaxy Surveys.
- L. L. Cowie & A. Songaila 1993, in *First Light in the Universe: Stars or QSOs?*, ed. B. Rocca-Volmerange, B. Guiderdoni, M. Dennefeld and J. Tran Than Van (Paris: Editions Frontières), 147.  
Galaxy Evolution
- G. S. Burks, D. G. York, A. Songaila, L. L. Cowie, M. Pettini, & A. Boksenberg 1988, in *Proceedings of the Celebratory Symposium on a Decade of UV Astronomy with the IUE Satellite*, Vol. 2, pp. 199–202.  
On the Use of IUE to Probe the Galactic Halo.

#### 4. Invited & Contributed Talks

- **Invited review:** Reionization and the End of the Dark Ages, Space Telescope Science Institute, March 13–15, 2006.  
The State of the Intergalactic Medium at High Redshift
- **Invited talk:** Probing Early Structure Formation with Mass, Light and Chemistry, William I. Fine Theoretical Physics Institute and the Cosmology Group at the University of Minnesota, October 6–9, 2005.  
Putting Metals into the Intergalactic Medium
- **Invited review:** Open Questions in Cosmology: The First Billion Years, MPA/ ESO/ MPE/ USM Joint Astronomy Conference, August 22-26, 2005, Garching, Germany.  
Observations of Metals in the Intergalactic Medium

- **Invited talk:** Galaxy-Intergalactic Medium Interactions, Kavli Institute for Theoretical Physics, UCSB, October 25–29, 2004.  
The Very High- $z$  Intergalactic Medium
- **Invited talk:** The Baryonic Universe, 2003 Winter Conference on Astrophysics, Aspen, January 12–18, 2003.  
Intergalactic Medium Metals at High Redshift
- **Invited talk:** Early Cosmic Structures and the End of the Dark Ages, Elba Island, June 4–7, 2002.  
Metals in the Intergalactic Medium
- **Invited talk:** Low  $Z$  at Low  $z$  and High  $z$ , Theoretical Physics Institute, University of Minnesota, Mar 21–23, 2002.  
Metallicity Evolution of the Intergalactic Medium
- **Invited talk:** The First Generation of Cosmic Structures, The First Harvard-Smithsonian Conference on Theoretical Astrophysics, Harvard-Smithsonian Center for Astrophysics, May 15–18, 2000.  
The Chemical Evolution of the Universe
- **Invited talk:** Galaxy Formation and Evolution, Kavli Institute for Theoretical Physics, UCSB, March 14 – 17, 2000.  
Metal Enrichment – From the Lyman Alpha Forest to Damped Systems
- **Contributed talk:** Chemical Evolution from Zero to High Redshift, ESO Workshop, Garching, Germany, 14-16 October 1998.  
Early Metal Formation and the Intergalactic Medium.
- **Contributed talk:** Structure and Evolution of the Intergalactic Medium from Quasar Absorption Line Systems, 13th IAP Astrophysics Colloquium, 1-5 July, 1997.  
Uncertainties in the Determination of Primordial  $D/H$ .

## 5. Other

- Lennox L. Cowie & Antoinette Songaila 2004, Nature 428, 132 (Nature News & Views)  
The inconstant constant?

- Antoinette Songaila & Lennox L. Cowie 1999, Nature, 398, 667 (Nature News & Views)  
Fine-structure variable?
- Antoinette Songaila Cowie 1996, Nature 379, 678 (Nature News & Views)  
A distant but absorbing youth