

# Curriculum Vitae

## Sahar Allam

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### Education:

Ph.D., Astrophysics, Universität Potsdam, Germany May 1998  
Title: FIR Properties of Interacting Galaxies  
Advisor: Prof. Günther Hasinger, Astrophysikalisches Institut Potsdam (AIP)  
M.Sc., Astronomy, Cairo University, Egypt Nov 1991  
Title: Interstellar Matter in Some External Galaxies  
Advisor: Al-Shalapy, Cairo University, Egypt  
B.Sc., Astronomy, Cairo University, Egypt May 1986

### Career:

Guest Scientist position, Fermilab Dec 2007 – present  
Researcher, UWYO May 2006 – present  
Adj. Prof., Cairo University, Egypt Nov 2007– present  
Scientist Visitor, Northwestern University May 2007 – Jun 2007  
Visiting Scientist, Fermilab Oct 1998 – present  
Postdoctoral Researcher, UWYO May 2005 – Oct 2005  
Postdoctoral Fellow, NMSU Jun 2003 – July 2004  
Postdoctoral Researcher, NRIAG Aug 1998 – Sep 2002  
Ph.D. position, BAT IIa, AIP Dec 1997 – May 1998  
Ph.D. student, AIP Dec 1993 – Nov 1997  
Lecture Assistant, NRIAG Mar 1992 – Dec 1993  
Research Assistant, NRIAG Feb 1987 – Jan 1992

### Academic Awards & Research Grants:

HST Cycle 16Sup., 2009, PI, TBD, “High-resolution imaging for 9 very bright, spectroscopically confirmed, group-scale lenses“  
HST Cycle 17, 2008, PI, \$150,485, ”High-resolution imaging of three new UV-bright lensed arcs” (contingent upon a successful SM4, and availability of NASA funds and budget)  
Spitzer/Cycle 5, 2008, PI, \$152,652.4 TBD, ”Beyond the 8 O’Clock Arc and the Clone – Five New Bright Lensed LBGs” (Total \$381,631.0 contingent upon execution of at least one-third of the observing program)  
HST/Cycle 16, 2007, PI, \$113,612, ”A Unique High Resolution Window to two Strongly Lensed Lyman Break Galaxies”  
Spitzer/Cycle 4, 2007, PI, \$75,215, ”Spitzer Observation of the Brightest Lensed LBGs”  
NVO Research Initiatives Grant 2006, \$25,000  
First prize NVO School, summer 2005  
Deutsche Akademische Austausch Dienst (DAAd) Fellowship, May 1993- Dec 1997, Full Scholarship, (Four of 70,000 nationwide over all disciplines of MSc), Grant #562,DM120,000 (~\$80,000)  
National Academy of Sciences grant to attend the IAU International School for Young Astronomers, 10 – 28 Sep 1990

**Press releases:**

"Gravity helps SDSS-II reveal a brilliant jewel of the early universe"

SDSS press release, November 7, 2006

"<http://www.sdss.org/news/releases/20061108.8arc.html>"

**Organizing Conferences/Meetings/Workshops:**

Conference Co-organiser of the "Calibration and Standardization of Large Surveys and Missions in Astronomy and Astrophysics", will be hosted by the Fermilab Dates:

April 16 - 19, 2012

Workshop Co-organiser of the "Searching For Strong Lenses In Large Imaging Surveys," hosted by the Fermilab Center for Particle Astrophysics, Dates: June 14-15, 2007.

SDSS collaboration meeting Co-organiser, hosted by Fermilab, Dates: 1-4 Nov. 2007.

SDSS collaboration meeting Co-organiser, hosted by NMSU, Dates: 15-18 March 2004.

**Research Interests:**

Observational cosmology, gravitation lensing, optical and infrared observations of high-z galaxies, galaxy clusters, compact groups, interacting & merging galaxies, isolated galaxies, star formation, NIR&FIR photometry, standard star, star clusters, photometric calibration

**Selected Invited Talks:**

Invited talk at, colloquium at IU scheduled for April 7, 2009

Invited talk at, OZ Lens meeting, Oct 1, 2008

Invited talk at, Searching for Strong Lenses in Large Imaging Surveys meeting, June 14, 2007

Invited talk at the SDSS meeting hosted by Drexel University, March 29, 2007

Invited talk at the SDSS meeting, Los Alamos National Laboratory, Jan 29, 2004

Colloquium at the NMSU, Oct 2003

Seminar at Fermilab, 2002

Colloquium at NRIAG, Oct, 2001

Colloquium at NRIAG, May, 2000

Invited talk at, Small Galaxy Groups, IAU Colloquium 174, Turku, Finland, June 14, 1999

Colloquium at NRIAG, June, 1998

Seminar at Fermilab, 1997

Seminar at AIP, 1995

Seminar at NRIAG, March, 1994

**Teaching Experience:**

Mintor Summer college students through Fermilab education programs

Mintor Summer students through Fermilab precollege education programs

I taught a mix of astronomy courses for undergraduate and MSc students, as well as laboratory classes, including proper use and care of the Kottamia 74-in telescope for observing and training programs, during my time at NRIAG in Egypt.

Also during my time at NRIAG, I assisted and advised two students during their MSc and PhD work as well as arranging and helping them in winning two different fellowships from Italy & Australia.

**Observing Experience:**

Certified as a remote observer on the APO3.5m telescope; 7 years of observing experience on the Kottamia 74-in, and observing experience on the APO3.5m, USNO 1.0m, NASA IRTF 3m and the CTIO 0.9m&4.0m telescopes; and analysis experience with data from HST, Spitzer, and IRAS Space Telescope.

**Computing Skills:**

Operating Systems: Linux, UNIX, Windows, VAX

Programming Languages: python, java, Tcl, mysql, FORTRAN, C++, php

Astronomical Software: IRAF, IDL, astrotols, mtpipe, sdssQT, GAIA, SExtractor, Starburst99, Gipsy, MaxEnt, Galfit, Gravlens, Lensview

**Professional Societies:**

American Astronomical Society

Egyptian Astronomical Society

**Collaboration Memberships:**

The Dark Energy Survey (DES), since June 2008– present.

The Sloan Digital Sky Survey (SDSS), since March 2003 – 2009.

The Supernova/Acceleration Probe (SNAP), since Oct 2002 – 2009.

The Blanco Cosmology Survey (BCS), since Oct 2005 – present.

**Public Service:-**

- Quarknet Research Projects:

A physics teacher and four high school students with no previous experience or astronomy knowledge, worked with me for seven weeks during the summer of 2007 as part of the Fermi Quarknet Outreach program. Under my supervision and guidance the group worked on one of my research projects, “SDSS merging pairs of galaxies”. They learned how to use linux machine, how to work with the SDSS database, how to inspect and analysis the data, and hoe to use some Java programs. They also learned some basic astrophysics, like how the galaxy shapes are influenced by gravitational interaction. The results will be submitted to a refereed Journal.

- Referee for The Astrophysical Journal, The Astronomical Journal, Publications of the Astronomical Society of Australia, and Central European Journal of Physics
- Volunteer for public outreach astronomy talks a to the 4th, 5th, and 6th grade classes at Hibbard School, Chicago.

**Other Accomplishments:-**

- I have participated in the NASA Center for Astronomy Education (CAE) Teaching Excellence in Introductory Astronomy Workshop, January 7-8, 2006. This workshop was focuses on dilemmas college astronomy instructors face and develops practical solutions for troubling issues in curriculum, instruction, and assessment.
- I attended the US National Virtual Observatory (NVO) summer school (Aspen, Colorado 6-15 September 2005). My collaborators and I were awarded the first prize for our student project using the NVO tools (I am the P.I.); see <http://chart.stsci.edu/twiki/pub/Main/NVOSS2CourseNotes/NVOProject-MergingPairs.ppt> and <http://www.aas.org/publications/baas/v37n4/aas207/1233.htm>  
Based upon this successful feasibility study, we (Allam is the P.I.) submitted a NVO Research Initiative proposal to extend this project. We were awarded an NVO Research Initiatives grant to fund this proposal; see <http://www.us-vo.org/news/story.cfm?ID=29>.
- I volunteered for Arabic translation for the AAS.
- I worked on testing DR2 CAS at Fermilab. (included in the half-time duty for the NMSU position)

- I worked on setting up the DR2 DAS at Fermilab. (included in the half-time duty for the NMSU position)
- I worked on setting up the interface for DR1 DAS at Fermilab.
- I worked on testing the DR1 DAS at Fermilab.
- I worked on setting up the interface for DR1 CAS at Fermilab.
- I worked on testing the DR1 CAS at Fermilab.

**Refereed Publications:**

**As of Nov 1, 2011 the total citations for Allam publications are 5500.**

- Buckley-Geer, E.J., et al. 2011 ‘The Serendipitous Observation of a Gravitationally Lensed Galaxy at  $z = 0.9057$  from the Blanco Cosmology Survey: The Elliot Arc ’ ApJ, 742, 48
- Zenteno, A., et al. 2011, ‘A Multiband Study of the Galaxy Populations of the First Four Sunyaev-Zel’dovich Effect Selected Galaxy Clusters’ ApJ, 734, 3
- Kubo, J., et al. 2010, ‘The Sloan Bright Arcs Survey: Discovery of Seven New Strongly Lensed Galaxies from  $z = 0.66-2.94$ ’, ApJ, 724, L137
- High, F., et al. 2010, ‘Optical Redshift and Richness Estimates for Galaxy Clusters Selected with the Sunyaev-Zel’dovich Effect from 2008 South Pole Telescope Observations’ ApJ, 723, 1736
- Fadely, R., et al. 2010, ‘Mid-infrared Spectroscopy of Two Lensed Star-forming Galaxies’, ApJ, 723, 729
- Guennou, L., et al. 2010, ‘The DAFT/FADA survey. I. Photometric redshifts along lines of sight to clusters in the  $z = [0.4, 0.9]$  interval’, A&A, 523, 21
- Diehl, H.T., et al. 2009, ‘The Sloan Bright Arcs Survey: Four Strongly Lensed Galaxies with Redshift  $> 2$ ’, ApJ, 707,686
- Hainline, K., et al. 2009, ‘Rest-Frame Optical Spectra of Three Strongly Lensed Galaxies at  $z = 2$ ’, ApJ, 701, 52
- Ulmer, M., et al. 2009, ‘Cluster and cluster galaxy evolution history from IR to X-ray observations of the young cluster RX J1257.2+4738 at  $z=0.866$ ’ A&A, in press
- Lin, H., et al. 2009, ‘Discovery of a Very Bright, Strongly Lensed  $z = 2$  Galaxy in the SDSS DR5’, ApJ, 699, L1242
- Abazajian, K.N., et al. 2009, ‘The Seventh Data Release of the Sloan Digital Sky Survey’, ApJS, 182, 543
- Kubo, J., et al. 2009, ‘The Sloan Bright Arcs Survey : Six Strongly Lensed Galaxies at  $z = 0.4 - 1.4$ ’, ApJ, 696, L61
- Yanny, B., et al. 2009, ‘SEGUE: A Spectroscopic Survey of 240,000 Stars with  $g = 14-20$ ’, AJ, 137, 4377
- Adelman-McCarthy, J. K. et al. 2008, ‘The Sixth Data Release of the Sloan Digital Sky Survey’, ApJS, 175, 297
- Adelman-McCarthy, J. K. et al. 2007, ‘The Fifth Data Release of the Sloan Digital Sky Survey’ ApJS, 172, 634
- Allam, S.S.**, et al. 2007 ‘A Serendipitous Discovery of a Strongly Lensed Lyman Break Galaxy in the SDSS DR4 Imaging Data: The 8 o’clock Arc’ ApJ, 662, L51
- Estrada, J., et al. 2007 ‘A Systematic Search for High Surface Brightness Giant Arcs in a Sloan Digital Sky Survey Cluster Sample’, ApJ, 660, 1176

- Fornal, B., et al. 2007, ‘A Survey of Southern Hemisphere Open Clusters in the  $u'g'r'i'z'$  Filter System: III. Results for NGC 188’, *AJ*, 133, 1409
- Adelman-McCarthy, J. K., et al. 2006, ‘The Fourth Data Release of the Sloan Digital Sky Survey’ *ApJS*, 162, 38
- Moore, C., et al. 2006, ‘A Survey of Southern Hemisphere Open Clusters in the  $u'g'r'i'z'$  Filter System: II. Results for NGC 6134 and Hogg 19’, submitted *AJ*
- Tucker, D.L., et al. 2006, ‘The Sloan Digital Sky Survey Monitor Telescope Pipeline,’ *Astronomische Nachrichten*, 327, 821.
- Abazajian, et al. 2005, ‘The Third Data Release of the Sloan Digital Sky Survey’ *AJ*, 129, 1755
- Allam, S.S.**, et al. 2005, ‘Isolated Galaxies in the SDSS DR1 Data Release’, *AJ*, 129, 2062, (astro-ph 10172)
- Doroshkevich, A., Tucker, D.L., **Allam, S.S.**, 2004, ‘Large Scale Structure in the SDSS Galaxy Survey’, *A&A*, 418, 7
- Allam, S.S.**, et al. 2004, ‘Merging Galaxy Pairs in the SDSS Early Data Release,’ *ApJ*, 127, 1883
- Abazajian et al. 2004, ‘The Second Data Release of the Sloan Digital Sky Survey’, *AJ*, 128, 502
- Lee B., **Allam, S.S.**, Tucker D.L., et al. 2004, ‘Compact Groups in the SDSS Early Data Release,’ *ApJ*, 127, 1811
- Rider C., et al. 2004, ‘A Survey of Southern Hemisphere Open Clusters in the  $u'g'r'i'z'$  Filter System: I. Results for NGC2548 (M48)’, *ApJ*, 127, 2227
- Finkbeiner, D.P., et al. 2004, ‘Sloan Digital Sky Survey Imaging of Low Galactic Latitude Fields: Technical Summary and Data Release’, *AJ*, 128, 2577
- Abazajian, K., et al. 2003, ‘The First Data Release of the Sloan Digital Sky Survey’ *AJ*, 127, 2081
- Einasto, J., et al. 2003, ‘Clusters and superclusters in the Sloan Digital Sky Survey’ *A&A*, 405, 425
- Einasto, J., et al. 2003, ‘Clusters and Superclusters in the Las Campanas Redshift Survey’ *A&A*, 410, 425
- Smith J. A., Tucker D.L., **Allam, S.S.**, Rodgers, C., 2003, ‘Local  $u'g'r'i'z'$  Standard Stars in the Chandra Deep Field–South’, 2003, *ApJ*, 126, 2037
- Tucker D.L., et al. 2000, ‘Loose Groups of Galaxies in the Las Campanas Redshift Survey,’ *ApJS*, 130, 237
- Allam, S.S.**, Tucker D.L., 2000, ‘Compact Groups in the Las Campanas Redshift Survey,’ *Astr. Nachr.*, 321, 101
- Allam, S.S.**, Tucker D.L., Lin H., Hashimoto Y., 1999, ‘Star Formation in Las Campanas Compact Groups,’ *ApJL*, 522, 89
- Allam, S.S.**, Assendorp R., Longo G., Braun M., Richter G., 1996, ‘Far Infrared Properties of Hickson Compact Groups of Galaxies. I. High Resolution IRAS Maps and Fluxes,’ *A&AS*, 117, 39

**Allam, S.S.**, Assendorp R., Longo G., Richter G., 1995, 'The Far-IR Emission from Compact Groups of galaxies,' P&SS, 43, 1371

Issa A., **Allam, S.S.**, Al-Shalapy M., 1992, 'Absorption Gradient in Some Galaxies IV,' Ap&SS, 189, 123

Issa A., **Allam, S.S.**, 1992, 'Absorption Gradient in Galaxies V,' Ap&SS, 190, 57

Issa A., **Allam, S.S.**, 1991, 'Surface Distribution of Dark Clouds in M31 II,' Ap&SS, 176, 275

### Conference Proceedings and Others:

- Wiesner, M., et al. 2011, 'Clusters and Lenses: Ten Galaxy Clusters Exhibiting Strong Lensing Found in the Sloan Digital Sky Survey', BAAS, *217th Meeting of the AAS*, #347.02
- Lin, H., et al. 2011 'SBAS: The Sloan Bright Arcs Survey', BAAS, *217th Meeting of the AAS*, #347.01
- Fadely, R., et al. 2011, 'Spitzer Spectroscopy of Two Lensed Star-forming Galaxies', BAAS, *217th Meeting of the AAS*, #245.12
- Allam, S.S.**, et al. 2011, 'WFC3 and WFPC2 Follow Up of Strong Gravitational Lenses', BAAS, *217th Meeting of the AAS* #347.03
- Clowe, D., 2010, 'Photometric Redshifts of Weak Lensing Tomography of Galaxy Clusters', NOAO Proposal ID #2010B-0318
- Ulmer, M. P. et al. 2010, 'Observations of a  $z$  0.9 cluster of galaxies', X-Ray Astronomy 2009; Present Status, Multi-Wavelength Approach and Future Perspectives: Proceedings of the International Conference. AIP Conference Proceedings, Volume 1248, pp. 302-303 (2010).
- Drabek, E., et al. 2010, 'Spectroscopy Of Two Strong Lensing Clusters', BAAS, *216th Meeting of the AAS* , #418.04
- Tucker, D.L., et al. 2010, 'Calibration and Characterization of Stars, Galaxies, and Quasars in the Dark Energy Survey (DES) grizy Filter System', CTIO, NOAO Proposal ID #2010A-0307
- Tucker, D.L., et al. 2010, 'The Photometric Calibration of the Dark Energy Survey', BAAS, *215th Meeting of the AAS*, #470.09
- Allyn J.A., et al. 2010, 'Spectrophotometric Standard Stars for the Dark Energy Survey', BAAS, *215th Meeting of the AAS*, #470.08
- Allam, S.S.**, et al. 2010, 'WFPC2 Follow Up of Strong Gravitational Lenses', BAAS, *215th Meeting of the AAS* #406.01
- Baker, A., et al. 2010, 'Spatially Resolved Molecular Gas Kinematics in a Lensed UV-Selected Galaxy at  $z = 2.26$ ', BAAS, *215th Meeting of the AAS*, #341.07
- Allyn J.A., **Allam, S.S.**, Tucker, D. L., 2009, 'IRTF Observations of Lensed Star-Forming Galaxies Identified in the SDSS Imaging Data', BAAS, *213th Meeting of the AAS*, #610.01
- Tucker, D.L., **Allam, S.S.**, et al. 2009, 'Hubble and Spitzer Follow-up for Two Strongly Lensed LBGs:(I) Optical-to-Mid-IR Photometry and Mid-IR Spectroscopy', BAAS, *213th Meeting of the AAS*, #412.02
- Allam, S.S.**, et al. 2009, 'Hubble and Spitzer Follow-up for Two Strongly Lensed LBGs: (II) Lens Potential Reconstruction and Analysis' American Astronomical Society, BAAS, *214th Meeting of the AAS*, #412.01
- Kent, S., et al. 2009 'Photometric Calibrations for 21st Century Science', Astro2010: The Astronomy and Astrophysics Decadal Survey, Science White Papers, no. 155 arXiv:0903.2799

- Ulmer, M.P., et al. 2008, 'Observations of a  $z = 0.9$  cluster of galaxies', SF2A-2008: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics Eds.: C. Charbonnel, F. Combes and R. Samadi. Available online at <http://proc.sf2a.asso.fr>, p.385
- Ulmer, M.P., et al. 2008, 'Observations of a  $z = 0.9$  cluster of galaxies', "The X-ray Universe 2008" Symposium held in Granada, Spain, 27-30 May, 2008; Published online at [http://xmm.esac.esa.int/external/xmm\\_science/workshops/2008symposium](http://xmm.esac.esa.int/external/xmm_science/workshops/2008symposium), p.220
- Allam, S.S.**, Tucker, D.L., for the SDSS Bright Arcs Search Team, 2009, 'Hubble and Spitzer Follow-up for Two Strongly Lensed LBGs: (II) Lens Potential Reconstruction and Analysis' BAAS, *214th Meeting of the AAS*
- Tucker, D.L., **Allam, S.S.**, for the SDSS Bright Arcs Search Team, 2009, 'Hubble and Spitzer Follow-up for Two Strongly Lensed LBGs: (I) Optical-to-Mid-IR Photometry and Mid-IR Spectroscopy', BAAS, *214th Meeting of the AAS*
- Allam, S.S.**, et al. 2009, 'High-resolution imaging for 9 very bright, spectroscopically confirmed, group-scale lenses' HST Proposal Cycle 16 Sup GO #11974
- Buckley-Geer, E., Lin, H., for the BCS Collaboration, 2009, 'Observation of a Nearly Complete Einstein Ring at  $z=0.9$  from the Blanco Cosmology Survey' BAAS, *213th Meeting of the AAS*, #47801
- Lin, H.**, for the SDSS Bright Arcs Search Team, 2009, 'A Search for Bright, Strongly Lensed, High Redshift Galaxies in The SDSS' BAAS, *213th Meeting of the AAS*, #47802
- Hainline, K., et al. 2009, 'Optical Spectra For Three Strongly Lensed Galaxies At  $Z = 2$ ' BAAS, *213th Meeting of the AAS*, #42421
- Allam S.S.** et al. 2008, 'SDSS Giant Arcs' Semester 2008B Gemini North, GN-2008B-Q-79
- Allam, S.S.**, et al. 2008, 'Beyond the 8 O'Clock Arc and the Clone – Five New Bright Lensed LBGs' Spitzer Cycle 5, ID #50086
- Allam, S.S.**, et al. 2008, 'High-resolution imaging of three new UV-bright lensed arcs' HST Proposal Cycle 17 GO #11602
- Ulmer, M.P., et al. 2008, 'Observations of a  $z = 0.9$  cluster of galaxies', SF2A-2008: Proceedings of the Annual meeting of the French Society of Astronomy and Astrophysics Eds.: C. Charbonnel, F. Combes and R. Samadi. Available online at <http://proc.sf2a.asso.fr>, p.385
- Allam, S.S.**, et al. 2007, 'Spitzer Observations of the Brightest Lensed LBGs' Spitzer Proposal Cycle 4, ID #40430
- Allam, S.S.**, et al. 2007, 'A Unique High Resolution Window to Two Strongly Lensed Lyman Break Galaxies' HST Proposal Cycle 16, GO #11167.
- Allam, S.S.**, et al. 2007, 'SNAP Candidate Standard Stars', in *The Future of Photometric, Spectrophotometric, and Polarimetric Standardization*, Editor Sterken, C., ASP, Vol. 364, p283
- Allam, S.S.**, et al. 2007, 'Beyond The 8 O'Clock Arc: A New Set of Brightly Lensed Lyman Break Galaxies' BAAS, *211th Meeting of the AAS*, #9902

- Tucker, D.L., et al. 2007, The Photometric Calibration of the Dark Energy Survey BAAS, *211th Meeting of the AAS*, #13227
- Smith, J.A., et al. 2007 Extension of the u'g'r'i'z' Northern Hemisphere Standard Star System BAAS, *211th Meeting of the AAS*, #13214
- Smith J.A., et al. 2006, 'Historical View of the u'g'r'i'z' Standard System' in *The Future of Photometric, Spectrophotometric, and Polarimetric Standardization*, Editor Sterken, C., ASP, Vol. 364, p91
- Tucker D.L., et al. 2006, 'The Photometric Calibration of the Dark Energy Survey', in *The Future of Photometric, Spectrophotometric, and Polarimetric Standardization*, Editor Sterken, C., ASP, Vol. 364, p187
- Allam, S.S.**, et al. 2006, 'The 8 O'Clock Arc: Current and future follow-up plans', BAAS, *209th Meeting of the AAS*, #25603
- Buckley-Geer, E.J., et al. 2006, 'Application of Gravitational Lensing Models to the Brightest Strongly Lensed Lyman Break Galaxy the '8 o'clock arc', BAAS, *209th Meeting of the AAS*, #2105
- Ngeow, C.C., et al. 2006, 'Application of the Dark Energy Survey Data Management System to the Blanco Cosmology Survey Data', BAAS, *209th Meeting of the AAS*, #2206
- Mufson, S., et al. 2006, 'A Monochromatic Illumination and Cryogenic Calibration System for SNAP Calibration Studies', BAAS, *209th Meeting of the AAS*, #9811
- Mostek, N.J., et al. 2006, 'Calibration of Interference Filter Transmission using Light Emitting Diodes', BAAS, *209th Meeting of the AAS*, #9816
- Smith J.A., et al. 2006, 'Development of Spectrophotometric Standards to Support the SNAP', BAAS, *209th Meeting of the AAS*, #9818
- Scarpine, V., et al. 2006, 'A Systematic Search for High Surface Brightness Giant Arcs in a Sloan Digital Sky Survey Cluster Sample', BAAS, *209th Meeting of the AAS*, #21507
- Deustua, S.E., et al. 2006, 'Dark Energy Science Constraints on Calibration: Design of the SNAP Calibration System', BAAS, *209th Meeting of the AAS*, #9819
- Allam, S.S.**, et al. 2005, 'Finding & Exploring Merging Pairs of Galaxies in 2MASS using the NVO', BAAS, *207th Meeting of the AAS*, #2504
- Smith J.A., et al. 2005, 'The u'g'r'i'z' Southern Hemisphere Standard Star Network', BAAS, *207th Meeting of the AAS*, #13111
- Deustua, S.E., et al. 2005, 'Calibrating SNAP: a JDEM experiment', BAAS, *207th Meeting of the AAS*, #7301
- Tucker, D.L., et al. 2005, 'The SNAP Calibration Pipeline', BAAS, *207th Meeting of the AAS*, #7307
- Tucker, D.L., et al. 2005, 'The SEGUE Open Cluster Survey', BAAS, *207th Meeting of the AAS*, #14706

- Stute, J.L., et al. 2004, 'Photometric Standard Stars in the Southern E-Regions, u'g'r'i'z', BAAS, *205th Meeting of the AAS*, #9106
- Allam, S.S.**, et al. 2004, 'Exposure Time Calculations for Calibrating of Vega and G191-B2B in the Optical and Near-Infrared: Ground-based, Airborne, Balloon-based, and Rocket-borne Experiments', BAAS, *205th Meeting of the AAS*, #6707
- Mufson, S.L. , et al. 2004, 'LEDs as Precision Irradiance Sources for Calibration of the SNAP Focal Plane', BAAS, *205th Meeting of the AAS*, #6706
- Richmond, M.W., et al. 2004, 'Flatfielding the SNAP focal plane', BAAS, *205th Meeting of the AAS*, #6705
- Allam, S.S.**, Tucker, D.L., SDSS Collaboration, 2004, 'SDSS DR2 Merging pairs' BAAS, *204th Meeting of the AAS*, #4312
- Tucker, D.L., **Allam, S.S.**, SDSS Collaboration, 2004, 'Properties of Isolated Galaxies in the SDSS DR2' BAAS, *204th Meeting of the AAS*, #4313
- Smith, J.A., et al., 2004, 'The SDSS-II SEGUE Cluster Project', BAAS, *205th Meeting of the AAS*, #6409
- Kent, S., et al. 2004, ' Absolute Astrometric Calibration of the SNAP Focal Plane', BAAS, *205th Meeting of the AAS*, #6701
- Bohlin, R.C., et al. 2004, 'Precision Spectrophotometry from HST', BAAS, *205th Meeting of the AAS*, #6702
- Mostek, N., et al. 2004, 'A Search for Stable Calibration Stars in the SNAP North Field', BAAS, *205th Meeting of the AAS*, #6703
- Tucker, D.L., et al. 2004, 'ARC3.5m Optical/NIR Spectroscopy of Candidate SNAP Standard Stars', BAAS, *205th Meeting of the AAS*, #6704
- Smith, J.A., et al. 2003, 'Calibration of the Snap Program' IAUS, 216, 102
- Deustua, S.E., et al., 2003, 'Calibration of the Snap Program' SPIE, 5164, 84
- Cantrell, K.A., et al., 2003, 'Study of NGC 1647 in the u'g'r'i'z' Filter System' BAAS, *203rd Meeting of the AAS*, #1409
- Rodgers, C.T., et al., 2003, 'The Open Cluster NGC 2588 in the u'g'r'i'z' Filter System' BAAS, *203rd Meeting of the AAS*, #1419
- Deustua, S.E., et al. 2003, 'Calilbration Program for SNAP' BAAS, *203rd Meeting of the AAS*, #8221
- Stute, J.L., Smith, J.A., Tucker, D.L., **Allam, S.S.**, Rodgers, C.T., 2003 'Bright u'g'r'i'z' Standard Stars in the E-Regions' BAAS, *203rd Meeting of the AAS*, #5704
- Smith, J.A., et al. 2003 'The SNAP Standard Star Program' BAAS, *203rd Meeting of the AAS*, #8222
- Kent, S., et al. 2003, 'Observations of Candidate Faint Spectrophotometric Standards in the SNAP-North Field' BAAS, *203rd Meeting of the AAS*, #8223

- Tucker, D.L., **Allam, S.S.** ‘Isolated Galaxies in the SDSS DR1’ 2003 BAAS, *203rd Meeting of the AAS*, #9101
- Allam, S.S.**, Tucker, D.L., 2003, ‘SDSS DR1 Merging Galaxies’ BAAS, *203rd Meeting of the AAS*, #12209
- Allam, S.S.**, Tucker D.L., Smith J.A., 2002, ‘Properties of Merging Pairs in the SDSS EDR’ BAAS, *201th Meeting of the AAS*, #52.09
- Smith, J.A., Tucker D.L., **Allam, S.S.**, Jorgensen A., 2002, ‘Southern Standard Stars for the u’g’r’i’z’ System’ IAUS, 216, 102
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