

Scott Adams

OSU Dept of Astronomy
140 West 18th Avenue
Columbus, OH 43210

Office: (614) 292-7881
sadams@astronomy.ohio-state.edu
www.astronomy.ohio-state.edu/~sadams

Education

The Ohio State University, Columbus, OH
Ph.D. Astronomy, Summer 2016 (expected)
Advisor: Prof. Christopher Kochanek

The Ohio State University, Columbus, OH
M.S. Astronomy, Summer 2014

The University of Arizona, Tucson, AZ
B.S. Physics & Astronomy, Honors in Astronomy, May 2011
Magna Cum Laude

Honors and Awards

Allan Markowitz Award for Excellence in Observational Astronomy, OSU Dept of Astronomy, 2015
Presidential Fellow, OSU Graduate School, 2015
National Science Foundation Graduate Research Fellowship Honorable Mention, 2012
Galileo Circle Scholar, University of Arizona (UA) College of Science, 2009, 2010
Vesto M. Slipher Scholarship, UA Dept of Astronomy, 2010
Booher Endowed Scholarship, UA Dept of Astronomy, 2010
Arizona Astronomy Board Donors Scholarship, UA Dept of Astronomy, 2010
Kenneth & Paula Krane Scholarship, UA Dept of Physics, 2010
Gregson Scholarship, UA Dept of Physics, 2009
Lagandas Scholarship, UA Dept of Astronomy, 2009

Referred Publications

9. *Almost Gone: SN 2008S and NGC 300 2008OT-1 are Fainter than their Progenitors*
Adams, S.M., Kochanek, C.S., Prieto, J.L., Dai, X., Shappee, B.J., & Stanek, K.Z., 2016, MNRAS, 460, 1645
8. *Discovery of Five Candidate Analogs for η Carinae in Nearby Galaxies*
Khan, R., **Adams, S.M.**, Stanek, K.Z., Kochanek, C.S., & Sonneborn, G., 2015, ApJ, 815, L18
7. *LOSS's First Supernova? New Limits on the Supernova "Impostor" SN 1997bs*
Adams, S.M. & Kochanek, C.S., 2015, MNRAS, 452, 2195
6. *Discovery of an Overdensity of Lyman-alpha Emitters Around a $z \sim 4$ QSO with the Large Binocular Telescope*

Adams, S.M., Martini, P., Croxall, K.V., Overzier, R.A., & Silverman, J.D., 2015, MNRAS, 448, 1335

5. *Stellar mergers are Common*

Kochanek, C.S., **Adams, S.M.**, & Belczynski, K., 2014, MNRAS, 443, 1319

4. *The Man behind the Curtain: X-Rays Drive the UV through NIR Variability in the 2013 Active Galactic Nucleus Outburst in NGC 2617*

Shappee, B.J. and 46 others including **Adams, S.M.**, 2014, ApJ, 788, 48

3. *Observing the Next Galactic Supernova*

Adams, S.M., Kochanek, C.S., Beacom, J.F., Vagins, M.R., Stanek, K.Z., 2013, ApJ, 778, 164

2. *The Environmental Dependence of the Incidence of Galactic Tidal Features*

Adams, S.M., Zaritsky, D., Sand, D.J., Graham, M.L., Bildfell, C., Hoekstra, H., & Pritchett, C., 2012, AJ, 144, 128

1. *Modeling the System Parameters of 2M 1533+3759: A New Longer Period Low-Mass Eclipsing sdB+dM Binary*

For, B.-Q. et al. and 19 others including **Adams, S.M.**, 2010, ApJ, 708, 253

**Non-referred
Publications**

6. *Optical “Vanishing” of the 2015 M31 Stellar Merger*

Bersier, D., Kochanek, C. S., Wagner, R. M., **Adams, S.**, Dong, Subo, 2015, ATel, 7537

5. *Further Spitzer Observations of the 2015 M31 Stellar Merger*

Adams, S., Kochanek, C. S., Dong, Subo, & Wagner, R. M., 2015, ATel, 7485

4. *The Probable M31 Stellar Merger Now Has a Late K or Early M Spectrum*

Wagner, R.M., Starrfield, S.G., Wilber, A., Kochanek, C.S., Dong, S., Prieto, J.-L., & **Adams, S.**, 2015, ATel, 7208

3. *The Probable M31 Stellar Merger: Identification and Variability of the Likely Progenitor System*

Dong, Subo, Kochanek, C. S., **Adams, S.**, & Prieto, J.-L., 2015, ATel, 7173

2. *Recent Evolution of PSN J14021678+5426205 in M101 Using LBT*

Gerke, J., **Adams, S. M.**, Kochanek, C. S., & Stanek, K. Z., 2015, ATel, 7069

1. *V418 Ser: A Sub-Period Minimum CV With Hydrogen*

Garnavich, P., Littlefield, C., Terndrup, D., & **Adams, S.**, 2014, ATel, 6287

**Poster
Presentations**

Are SN 2008S-like Events Supernovae?

Fifty-One Erg: International Workshop on the Physics and Observations of Supernovae and Supernova Remnants, Raleigh, NC, June 2015

SN 1997bs: Another SN Impostor Impostor?

2nd Annual GMT Community Science Meeting: Transient Phenomena in Astronomy and Astrophysics, Washington D.C., October 2014

WIYN Open Cluster Study: Spectroscopic Abundances of M34 from the Oxygen Triplet Region

American Astronomical Society Meeting #217, Seattle, WA, January 2011

Observing Experience

Large Binocular Telescope (LBT) 2×8.4m, 43 nights

MDM 2.4m Hiltner Telescope, 18 nights

MDM 1.3m McGraw-Hill Telescope, 14 nights

SAAO 1.0m Telescope, 7 nights

WIYN 0.9m Telescope, 4 nights

Steward Observatory 61" Mt. Bigelow Telescope, 1 night

Steward Observatory 2.1m Bok Telescope, 1 night

PI Observing Proposals

A Search for Overdensities around $z=4$ QSOs

9 hours - LBT, MODS spectroscopy, 2013

Co-I Observing Proposals

Monitoring the M31 Stellar Merger Transient

0.4 hours - SST, Spitzer Proposal ID #12063 (Cycle 12)

Confirming NGC 6946 BH1 - A Black Hole Formed in a Failed Supernova

2 orbits - HST, Hubble Proposal ID GO-14266 (Cycle 23) 60 ksec - Chandra,

Proposal ID 14700473 (Cycle 17) 0.75 hours - SST

A Stellar Merger in M31

1.5 hours - SST, Spitzer Proposal ID #11181 (Cycle 11 ToO)

Dust to Dust: Monitoring the Evolution of the New Class of Self-Obscured Transient

4 orbits - HST, Hubble Proposal ID GO-14049 (Cycle 22)

3.4 hours - SST, Spitzer Proposal ID #11084 (Cycle 11)

A Pilot Search for Overdensities around $z=4$ QSOs

~ 30 hours - LBT, LBC imaging and MODS spectroscopy, 2011-2012

Astronomy Coffee Briefs

SN "Impostor" 1997bs: LOSS's First Supernova

Adams, S.M. & Kochanek, C.S., 2015, YouTube (<https://youtu.be/knTbsr2QSCM>)

Discovery of an Overdensity of Lyman-alpha Emitters Around a $z=4$ QSO with the Large Binocular Telescope

Adams, S.M. et al., 2014, YouTube (<https://youtu.be/rRgsIV1q674>)

Observing the Next Galactic Supernova

Adams, S.M. et al., 2013, YouTube (<https://youtu.be/tzuzFivr8ng>)

The Environmental Dependence of the Incidence of Galactic Tidal Features
Adams, S.M. et al., 2012, YouTube (<https://youtu.be/rLa9AXRlx28>)

Press Releases *Could a Milky Way Supernova Be Visible from Earth in the Next 50 Years?*
(<http://researchnews.osu.edu/archive/supernova50.htm>)
34,000 direct, unique visits to OSU Press Release
Linked to ~ 60 sites with an estimated total of ~ 30 million views

**Outreach &
Service** *OSU Planetarium Service, OSU, 2011-2014*
Served on Planetarium Renovation Committee
Trained fellow students to use new planetarium equipment
Helped develop new planetarium show
Presented planetarium shows to hundreds of people

Star Party Volunteer, OSU, 2011-Present
Assisted with star parties attended by hundreds of students and members of
the community

Science Olympiad Mentor, Grandview Middle School, 2012-2013
Taught gifted middle school students introductory college level astronomy