

## Scott Adams

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### Education

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

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

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

### Honors and Awards

*National Science Foundation Graduate Research Fellowship Honorable Mention*, 2012  
*Galileo Circle Scholar*, University of Arizona (UA) College of Science, 2009, 2010  
*Vesto M. Slipper 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  
*National Merit Scholar*, UA, 2005  
*Salutatorian*, Bloomington High School North, 2005

### Referred Publications

7. *LOSS's First Supernova: New Limits on the "Impostor" SN 1997bs*  
**Adams, S.M.** & Kochanek, C.S., 2015, arXiv:1502.00001
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*

	<p><b>Adams, S.M.</b>, Kochanek, C.S., Beacom, J.F., Vagins, M.R., Stanek, K.Z., 2013, ApJ, 778, 164</p> <p>2. <i>The Environmental Dependence of the Incidence of Galactic Tidal Features</i>  <b>Adams, S.M.</b>, Zaritsky, D., Sand, D.J., Graham, M.L., Bildfell, C., Hoekstra, H., &amp; Pritchett, C., 2012, AJ, 144, 128</p> <p>1. <i>Modeling the System Parameters of 2M 1533+3759: A New Longer Period Low-Mass Eclipsing sdB+dM Binary</i>  For, B.-Q. et al. and 19 others including <b>Adams, S.M.</b>, 2010, ApJ, 708, 253</p>
<b>Non-referred Publications</b>	<p>4. <i>The Probable M31 Stellar Merger Now Has a Late K or Early M Spectrum</i>  Wagner, R.M., Starrfield, S.G., Wilber, A., Kochanek, C.S., Dong, S., Prieto, J.-L., &amp; <b>Adams, S.</b>, 2015, ATel, 7208</p> <p>3. <i>The Probable M31 Stellar Merger: Identification and Variability of the Likely Progenitor System</i>  Dong, Subo, Kochanek, C. S., <b>Adams, S.</b>, &amp; Prieto, J.-L., 2015, ATel, 7173</p> <p>2. <i>Recent Evolution of PSN J14021678+5426205 in M101 Using LBT</i>  Gerke, J., <b>Adams, S. M.</b>, Kochanek, C. S., &amp; Stanek, K. Z., 2015, ATel, 7069</p> <p>1. <i>V418 Ser: A Sub-Period Minimum CV With Hydrogen</i>  Garnavich, P., Littlefield, C., Terndrup, D., &amp; <b>Adams, S.</b>, 2014, ATel, 6287</p>
<b>Poster Presentations</b>	<p><i>SN 1997bs: Another SN Impostor Impostor?</i>  2nd Annual GMT Community Science Meeting: Transient Phenomena in Astronomy and Astrophysics, Washington D.C., October 2014</p> <p><i>WIYN Open Cluster Study: Spectroscopic Abundances of M34 from the Oxygen Triplet Region</i>  American Astronomical Society Meeting #217, Seattle, WA, January 2011</p>
<b>Observing Experience</b>	<p>Large Binocular Telescope (LBT) 2×8.4m, 34 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</p>
<b>PI Observing Proposals</b>	<p><i>A Search for Overdensities around <math>z=4</math> QSOs</i>  9 hours - LBT, MODS spectroscopy, 2013</p>
<b>Co-I Observing Proposals</b>	<p><i>Dust to Dust: Monitoring the Evolution of the New Class of Self-Obscured Transient</i></p>

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** *SN “Impostor” 1997bs: LOSS’s First Supernova*  
**Coffee Briefs** **Adams, S.M.** & Kochanek, C.S., 2015, YouTube (<https://youtu.be/knTbsr2QSCM>)

*Discovery of an Overdensity of Lyman-alpha Emitters Around a  $z \sim 4$  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 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, 2011-2012  
Taught gifted middle school students introductory college level astronomy