

## Walter Peter Maksym

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### EDUCATION

#### Northwestern University, Evanston, IL, 2005-2012

**Ph.D. in Physics and Astronomy** Summer 2012

*Advisor:* Melville P. Ulmer

*Thesis:* An X-ray Survey for Tidal Disruption Flares in Rich Clusters of Galaxies

**M.S. in Physics and Astronomy** Spring 2008

#### Harvard University, Cambridge, MA, 2002-2004

**Special Student, Department of Astronomy**

*Graduate coursework in:* Radio Astronomy, Galaxies and Dynamics,

High Energy Astrophysics, Radiative Processes in Astrophysics, and Topics in Astrophysics

#### Yale University, New Haven, CT, 1995-1999

**B.S. in Astronomy and Physics** 1999

*Advisor:* Pierre Demarque

*Senior Project:* Calculations of the Seismic P-Modes and G-modes of 16 Cyg A and B

### PROFESSIONAL EXPERIENCE

#### August 2015-present: Postdoctoral Fellow

**Harvard-Smithsonian Center for Astrophysics**

*Supervisors:* Giuseppina Fabbiano, Thaisa Storchi-Bergmann and Martin Elvis

X-ray and multi-wavelength astronomy, including studies of obscured AGN,

AGNs in galaxy mergers, and narrow line region structure and kinematics.

#### 2012-2015: Postdoctoral Researcher

**University of Alabama Department of Physics and Astronomy**

*Supervisors:* Jimmy A. Irwin and William C. Keel

X-ray and multi-wavelength astronomy, including studies of tidal disruption flares

AGN shutdown and associated extended emission line regions (*voorwerpjes*),

galaxy clusters, and gas in galaxies.

#### 2005-2012: Graduate Research Assistant

**Northwestern University Department of Physics and Astronomy**

*Research Advisor:* Melville P. Ulmer

A search for X-ray flares from the disruption of stars by otherwise quiescent

supermassive black holes using clusters of galaxies.

#### 2006: Research Assistant

**Northwestern University Department of Physics and Astronomy**

*Supervisor:* Craig Heinke

Studied X-ray sources in M3, including a supersoft source and millisecond pulsars

#### 2000-2005: Data Specialist, Chandra X-ray Observatory (CXO)

**Harvard-Smithsonian Center for Astrophysics**

*Supervisor:* Dong-Woo Kim

\* 4 "Outstanding" annual review assessments.

\* Handled operations of Special Automatic Processing (SAP) to ensure final data quality of X-ray images and spectra. Processed hundreds of CXO observations which required special attention to unusual telescope or software configuration and issues.

- ★ Wrote, analyzed and edited UNIX shell scripts to facilitate data processing and analysis. Tested functionality and reliability of new Chandra data processing software.
- ★ Instructed other CXO data specialists in use of SAP.
- ★ Documented testing results and operations procedures.
- ★ Coordinated with other Chandra teams to maintain archives.

**Summer 1998: Research Assistant**

*Johns Hopkins University Department of Physics and Astronomy*

*Supervisor: Brian Espey*

Obtained line profile measurements of QSO spectra for emission studies, including the Baldwin Effect

**COLLABORATIONS AND MEMBERSHIPS**

**2016-present: X-ray Surveyor Science Working Groups:**

“Feedback”, “Synergy”, and “Extreme Physics”

**2015-present: Athena+ Science Working Group 2.6, “Luminous X-ray Transients”**

**2015-present: CHandra Extended Emission line Survey (CHEERS)**

**2014-present: Radio Galaxy Zoo**

**2014-present: Gaia Transients: AGNs & TDEs Working Group**

**2013-present: LOFT supporter**

**2013-present: International Astrostatistics Association**

**2012-present: Galaxy Zoo**

Analysis of rare Extended Emission Line Objects identified by Citizen Scientist volunteers.

**2012-2015: J-PAS**

(Javalambre Physics of the Accelerating Universe Astrophysical Survey)

**2001-2005: ChaMP (Chandra Multi-wavelength Project)**

*X-ray analysis team, Galaxy team*

**OBSERVING TIME**

as **PI, Total: \$388,075** in observation grants, 405 ks *Chandra*, 293 ks *XMM-Newton*, 38 orbits *HST*, 4 hours NRAO-VLA, 13.2 hours *Gemini*.

- ★ **Chandra Cycle 18**, ‘Continued Quasar and AGN Variability on 10-100 kyr Timescales’, 150 ks awarded, \$69,430 awarded.
- ★ **Chandra Cycle 17-19**, ‘Long-Term Multiwavelength Monitoring of a Stellar Tidal Disruption at Only 90 Mpc’, 165 ks *Chandra*, 135 ks *XMM-Newton*, 4 hours NRAO-VLA, \$65,381 awarded.
- ★ **Hubble Cycle 23-24**, ‘Long-Term Ultraviolet Spectroscopy of a Tidal Disruption Event at only 90 Mpc’, 22 orbits *HST*, 13 ks *XMM-Newton*, \$122,572 awarded.
- ★ **Hubble Cycle 23**, ‘Mapping the Radiative and Kinetic History of Fading AGNs’, 16 orbits awarded, \$77,706 awarded.
- ★ **Gemini 2015A**, ‘Spectral Evolution and Host of an X-ray Bright Tidal Flare at Only 90 Mpc’, 4.2 hours awarded, Fast Turnaround.
- ★ **XMM-Newton AO-14**, ‘Continued Probing of AGN Variability on 10-100 kyr Timescales’, 145ks.
- ★ **Chandra Cycle 16**, ‘Quasar and AGN Variability on 10-100 kyr Timescales’, 90ks awarded, \$52,986 awarded.
- ★ **Gemini 2013A** ‘A Candidate Tidal Disruption Flare in Abell 1795’, 9 hours.

as **Co-I:**

- ★ **NRAO-VLA Cycle 16B**, ‘VLA Monitoring of a Decade-long Tidal Disruption Event’, 7 hours *VLA*. PI Dacheng Lin
- ★ **XMM-Newton AO-15**, ‘XMM-Newton Monitoring of a Decade-Long Tidal Disruption Event’, 55 ks *XMM-Newton*. PI Dacheng Lin
- ★ **Chandra Cycle 17**, ‘AGN Termination Shocks: Feedback in Action’, 200 ks *Chandra*, 2 orbits *HST*. PI Martin Elvis
- ★ **Chandra Cycle 17**, ‘Searching for Fossil Group Progenitors Via Strong Gravitational Lensing’, 99 ks *Chandra* 9 orbits *HST*. PI Lucas Johnson
- ★ **NRAO-VLA Cycle 16A**, ‘Characterisation of Voorwerpjes with VLA: Probing the Environment of Fading AGN’, 41 hours *VLA*. PI Lia Sartori
- ★ **NRAO-VLA Cycle 15B**, ‘Characterisation of Voorwerpjes with VLA: Probing the Environment of Fading AGN’, 32 hours *VLA*. PI Lia Sartori
- ★ **UCO Lick/Shane 3m 2015A**, ‘Exploring the History and Distribution of AGN Ionizing Radiation with Distant Clouds and Companion Galaxies’, 4 nights. PI Anna Pancoast
- ★ **WIYN 2015A**, ‘Giant Ionized Clouds and Fading AGN’, 4 nights. PI William Keel
- ★ **Chandra Cycle 15**, ‘A High-resolution Spectrum of an Unprecedented Tidal Disruption Event’, 80ks awarded, Director’s Discretionary Time. PI Jon Miller
- ★ **Gemini 2014A**, ‘Fading AGN with giant ionized clouds: mode switching and outflows’, 12.5 hours. PI William Keel
- ★ **e-MERLIN 2013B** ‘An eMERLIN Survey of the Nuclei of Recently Deceased AGN: Probing 10-100 kyr Variability’, 2 runs. PI Kevin Schawinski
- ★ **Gemini 2013B**, ‘Fading AGN with giant ionized clouds: mode switching and outflows’, 10 hours. PI William Keel
- ★ **Magellan 2011** ‘A Candidate Tidal Disruption Flare in Abell 1795’, 0.5 hours. PI Luis Ho
- ★ **Hobby-Eberly Telescope 2009** ‘A Candidate Tidal Disruption Flare in Abell 1689’, 1.6 hours. PI Michael Eracleous

## OTHER PROGRAMS AND AWARDS

- ★ **NASA Astrophysics Data Analysis Program, 2008-2011**  
“A Search for X-ray Emission Induced by Tidal Flares Around Massive Quiescent Black Holes in the Center of Galaxies”. PI Melville Ulmer
- ★ **Graduate Assistance in Areas of National Need Fellowship, 2007-2008**  
PI’s Melville Ulmer and David Taylor
- ★ **NASA Illinois Space Grant Consortium Fellowship, Fall 2007**
- ★ **Enhanced University Fellowship, 2005-2006**
- ★ **NASA Summer Research Program, Summer 2005**

## DATA AND INSTRUMENTAL PROFICIENCIES

*Chandra*, *XMM-Newton*, *HST*: WF/PC2, WFC3 (IR and UVIS), *Gemini* (GMOS imaging, spectroscopy and IFU), *GALEX*, *SDSS*, *ROSAT*, *EUVE*, Swift (*XRT* and *UVOT*), *FIRST*, *HET*, *WISE*.

## TEACHING AND MENTORING

### Graduate Mentoring

- 2014-present:** Lucas Johnson, Photometric Characterization of CASSOWARY Galaxy Groups  
*Advisor: Jimmy Irwin, University of Alabama*
- 2014-present:** Lia Sartori, Extended Emission Line Regions from Galaxy Zoo  
*Advisor: Kevin Schawinski, ETH Zürich*

**2011-2014:** Matt Wampler-Doty, A Comprehensive Archival X-ray Variability Survey  
*Advisor: Melville Ulmer, Northwestern University*

**NASA Summer Research Program  
for Exceptional High School and College Students: Mentor**  
*Northwestern University Department of Physics and Astronomy*

**2010:** Laura Klein, HST/WFPC2 cosmic ray removal and photometry  
**2009:** Mason Volk, tidal flares in rich clusters of galaxies  
**2007:** Katheryn French, X-ray lensing in rich clusters of galaxies  
**2007:** Kiefer Aguillar, cosmic shear from weak lensing in galaxy clusters

**Teaching Assistant, Northwestern University Department of Physics and Astronomy**

**2012:** Physics 135-1: *General Physics: Discussion Section* for Giles Novak  
**2012:** Physics 135-1: *General Physics: Lab* for Arthur Schmidt  
**2011:** Physics 130-1: *College Physics: Lab* for Arthur Schmidt  
**2011:** Physics 135-1: *General Physics: Lab* for Arthur Schmidt  
**2010:** Astronomy 101-0: *Modern Cosmology* for Mike Smutko,  
including regular operation of the historic Dearborn Observatory 18.5" refractor  
**2007:** Astronomy 101-0: *Modern Cosmology* for Mike Smutko  
Astronomy 102-0: *The Milky Way Galaxy* for Ron Taam

**Undergraduate Tutoring, Northwestern University**

**2009:** Physics 130-2, *College Physics* (Electromagnetism)  
**2006:** Mathematics 220, *Differential Calculus of One Variable*

**SERVICE ACTIVITIES AND OUTREACH**

**Hubble Cycle 24 Time Allocation Committee:** Black Holes and Hosts, Panel Member

**Hubble Hangouts:** <https://www.youtube.com/watch?v=AHskCVTHnh8>

Guest: livestreamed 2015 April 2

**Astrotweeps:** <https://astrotweeps.wordpress.com>, <http://twitter.com/astrotweeps>

Contributor: 2015 January 12-18

**Dartmouth Skype Chat Outreach:** High school 'meet an astronomer' question-and-answer

Kimball Union Academy, NH, 2014 May 20

Woodstock High School, NH, 2014 May 22

**Alabama Museum of Natural History:** Astronomy Science Sunday

2014 September 28

2014 March 2

**Astrophysical Journal,** Referee, 2011-present

**Astronomical Society of the Pacific,** 119<sup>th</sup> Annual Meeting,

Adler Planetarium, Chicago, IL, September 2007

**Chandra Cycle 4 Peer Review,** Panel Facilitator, Summer 2002

**SKILLS**

Native English speaker. Written and spoken German (good).

UNIX/Linux, (ksh,tcsh,bash scripting), Macintosh, Windows and various associated applications.

IDL, C, CIAO (including ds9, dmttools, Prism, Sherpa), AstroDrizzle, HEASOFT (ftools, XSPEC),  
*XMM-Newton* SAS, SQL, HTML, XML, LaTeX, yaxx, ACIS extract, IRAF/pyRAF, Starlight,  
PPXF, lephare, SExtractor, GALFIT, Python, Perl, Java

## REFEREED PUBLICATIONS

- 19 Keel, W.; Lintott, C.; **Maksym, W. P.**, Bennert, V. N.; Chojnowski, S. D.; Moiseev, A.; Smirnova, A.; Schawinski, K.; Sartori, L.; Urry, C. M.; Pancoast, A.; Schirmer, M.; Scott, B.; Showley, C.; Flatland, K., “HST Imaging of Fading AGN Candidates: AGN Histories”, *submitted*
- 18 Lin, D.; Komossa, S.; Guillochon, J.; Ramirez-Ruiz, E.; Irwin, J.; **Maksym, W. P.**; Grupe, D.; Godet, O.; Webb, N.; Barret, D.; Zauderer, B. A.; Duc., P.-A.; Gwyn, S., “The Long Goodbye of a Star: A Decade-Long Sustained Tidal Disruption Event”, *submitted to Nature*
- 17 Irwin, J.; **Maksym, W. P.**; Sivakoff, G.; Romanowsky, A.; Lin, D.; Speegle, T.; Prado, I.; Mildebrath, D.; Strader, J.; Liu, J.; Miller, J., “Hyper-luminous X-ray bursts in two ultra-compact companions to nearby elliptical galaxies”, *accepted by Nature*
- 16 **Maksym, W.P.**; Fabbiano, G.; Elvis, M.; Karovska, M.; Paggi, A.; Raymond, J.; Wang, J.; Storchi-Bergmann, T., “Mapping Seyfert and LINER Excitation Modes in the Inner kpc of NGC 3393”, **ApJ**, 2016, 829, 46, ([arXiv:1604.02065](#))
- 15 Cenko, S.B.; Cucchiara, A.; Roth, N.; Veilleux, S.; Prochaska, J. X.; Yan, L.; Guillochon, J.; **Maksym, W. P.**; Arcavi, I.; Butler, N.; Filippenko, A.; Fruchter, A.; Gezari, S.; Kasen, D.; Levan, A.; Miller, J.; Pasham, D.; Ramirez-Ruiz, E.; Strubbe, L.; Tanvir, N.; Tombesi, F., “An Ultraviolet Spectrum of the Tidal Disruption Flare ASASSN-14li”, **ApJL**, 2016, 818, 32, ([arXiv:1601.03331](#))
- 14 Sartori, L. F.; Schawinski, K.; Koss, M.; Treister, E.; **Maksym, W. P.**; Keel, W. C.; Urry, C. M.; Lintott, C. J.; Wong, O. I., “Extended X-ray Emission in the IC 2497 - Hanny’s Voorwerp System: Energy Injection in the Gas Around a Fading AGN”, **MNRAS**, 2016, 457, 3629, ([arXiv:1601.07550](#))
- 13 Miller, J.; Kaastra, J.; Miller, M. C.; Reynolds, M.; Brown, G.; Cenko, S. B.; Drake, J.; Gezari, S.; Guillochon, J.; Gultekin, K.; Irwin, J.; Levan, A.; Maitra, D.; **Maksym, W. P.**; Mushotzky, R.; O’Brien, P.; Paerels, F.; de Plaa, J.; Ramirez-Ruiz, E.; Strohmayer, T.; Tanvir, N., “Flows of X-ray Gas Reveal the Disruption of a Star by a Massive Black Hole”, **Nature**, 2015, 526, 542, ([arXiv:1510.06348](#))
- 12 Banfield, J.; Wong, O. I.; Willett, K.; Norris, R.; Rudnick, L.; Shabala, S.; Simmons, B.; Snyder, C.; Garon, A.; Seymour, N.; Middelberg, E.; Andernach, H.; Lintott, C.; Jacob, K.; Kapinska, A.; Mao, M.; Masters, K.; Jarvis, M.; Schawinski, K.; Paget, E.; Simpson, R.; Klöckner, H.; Bamford, S.; Burchell, T.; Chow, K.; Cotter, G.; Fortson, L.; Heywood, I.; Jones, T.; Kaviraj, S.; Lopez-Sanchez, A.; **Maksym, W. P.**; Polsterer, K.; Borden, K.; Hollow, R.; Whyte, L., “Radio Galaxy Zoo: Host Galaxies and Radio Morphologies Derived from Visual Inspection”, **MNRAS**, 453, 2326 ([arXiv:1507.07272](#))
- 11 Lin, D.; **Maksym, W. P.**; Irwin, J.; Komossa, S.; Webb, N. A; Godet, O.; Barret, D.; Grupe, D., “An Ultrasoft X-ray Flare from 3XMM J152130.7+074916: A Tidal Disruption Event Candidate”, **ApJL**, 2015, 811, 43 ([arXiv:1509.00840](#))
- 10 Keel, W. C.; **Maksym, W. P.**; Bennert, V. N.; Lintott, C. J.; Chojnowski, S. D.; Moiseev, A.; Smirnova, A.; Schawinski, K.; Urry, C. M.; Evans, D. A.; Pancoast, A.; Sonnenfeld, A.; Scott, B.; Showley, C.; Flatland, K., “HST Imaging of Fading AGN Candidates: Host-Galaxy Properties and Origin of the Extended Gas”, **AJ**, 2015, 149, 155 ([arXiv:1408.5159](#))
- 9 Irwin, J. A.; Dupke, R.; Carrasco, E. R.; **Maksym, W. P.**, Johnson, L.; Mendes de Oliveira, C., “The Cheshire Cat Gravitational Lens: The Formation of a Massive Fossil Group”, **ApJ**, 2015, 806, 268 ([arXiv:1505.05501](#))
- 8 **Maksym, W. P.**; Lin, D.; Irwin, J. A.; RBS 1032: “A Tidal Disruption Event in Another Dwarf Galaxy?”, **ApJL**, 2014, 792, 29 ([arXiv:1407.2928](#))

- 7 **Maksym, W. P.**; Ulmer, M. P.; Roth, K. C.; Irwin, J. A.; Dupke, R.; Ho, L. C.; Keel, W. C.; Adami, C., “Deep Spectroscopy of the  $M_V \sim -14.8$  Host Galaxy of a Tidal Disruption Flare in A1795”, *MNRAS*, 2014, 444, 866 ([arXiv:1407.6737](#))
- 6 **Maksym, W. P.**; Ulmer, M.P.; Eracleous, M.; Guennou, L.; Ho, L.; “A Tidal Flare Candidate in Abell 1795”, *MNRAS*, 2013, 435, 1904. ([arXiv:1307.6556](#))
- 5 **Maksym, W. P.**; Ulmer, M.P.; and Eracleous, M.; “A Tidal Disruption Flare in A1689 from an Archival X-ray Survey of Galaxy Clusters”, *ApJ*, 2010, 722, 1035. ([arXiv:1008.4140](#))
- 4 Kim, M.; Kim, D.-W.; Wilkes, B.; Green, P.; Kim, E.; Anderson, C.; Barkhouse, W.; Evans, N.; Ivezić, Ž.; Karovska, M.; Kashyap, V.; Lee, M. G.; **Maksym, P.**; Mossman, A.; Silverman, J.; Tananbaum, H.; “Chandra Multiwavelength Project X-ray Point Source Catalog”, 2007, *ApJS*, 169, 401. ([astro-ph/0611840](#))
- 3 Kim, D.-W.; Cameron, R.; Drake, J.; Evans, N.; Freeman, P.; Gaetz, T.; Ghosh, H.; Green, P.; Harnden, R.; Karovska, M.; Kashyap, V.; **Maksym, P.**; Ratzlaff, P.; Schlegel, E.; Silverman, J.; Tananbaum, H.; Vikhlinin, A.; Wilkes, B.; Grimes, J., “Chandra Multi-wavelength Project (ChaMP). I. First X-ray Source Catalog”, 2004, *ApJS*, 150, 19. ([astro-ph/0308492](#))
- 2 Kim, D.-W.; Wilkes, B.J.; Green, P.J.; Cameron, R.; Drake, J.; Evans, N.; Freeman, P.; Gaetz, T.; Ghosh, H.; Harnden, R.; Karovska, M.; Kashyap, V.; **Maksym, P.**; Ratzlaff, P.; Schlegel, E.; Silverman, J.; Tananbaum, H.; Vikhlinin, A., “Chandra Multi-wavelength Project (ChaMP). II. First Results of X-ray Source Properties”, 2004, *ApJ*, 600, 59. ([astro-ph/0308493](#))
- 1 Green, P.J.; Cameron, R.; Ghosh, H.; Grimes, J.; Kim, D.W-; Morris, D.; Mossman, A.; Silverman, J.; Wilkes, B.; Baldwin, J.; Jannuzi, B.; Harnden, R.; Kashyap, V.; LaCluyzé, A.; **Maksym, P.**; Schlegel, E.; Tananbaum, H.; Vikhlinin, A.; Smith, C.; Smith, M.; the ChaMP Collaboration, “The Chandra Multi-wavelength Project (ChaMP): Results and Prospects”, 2003, *AN*, 324, 1-2, 93.

## NON-REFEREED PUBLICATIONS

**Maksym, W. P.**, Miller, J. M., Cenko, S. B., Drake, J. J., Gezari, S., Mushotzky, R., Irwin, J., Gultekin, K., Kaastra, J., Paerels, F., Ramirez-Ruiz, E., Reynolds, M., 2014 “X-ray Astrometric Confirmation of Association of the Candidate Tidal Disruption Event ASASSN-14li with its Host Nucleus”, *Astronomers’ Telegram*, #6834

Miller, J. M., Cenko, B., Gezari, S., Gultekin, K., Irwin, J. A., Kaastra, J., **Maksym, P.**, Mushotzky, R., Paerels, F., Ramirez-Ruiz, E., Reynolds, M., 2014, “Chandra LETG Spectroscopy of the Tidal Disruption Candidate ASASSN-14li”, *Astronomers’ Telegram*, #6800

**Maksym, W. P.** Irwin, J. A., Keel, W. C.; Burke, D.; Schawinski, K., 2014, “Pre-explosion Upper Limit on X-ray Emission from a Progenitor for SN 2014J”, *Astronomers’ Telegram*, #5798

**Maksym, W. P.**; “Tidal Flares and Rates from an Archival Cluster Survey”, in proceedings: *Tidal Disruption Events and AGN Outbursts*, 2012, Madrid, Spain, Edited by R. Saxton; S. Komossa; EPJ Web of Conferences, Volume 39, id.05002

## INVITED SEMINARS

“Resolving Feedback and AGN Mode Switching via the Narrow Line Region”  
*ESAC, May 4, 2016, Madrid, Spain*

## CONFERENCE PRESENTATIONS AND POSTERS

**Maksym, W. P.**, “Imaging the Narrow Line Region with Chandra”, *Chandra Science for the Next Decade*, August 16-19, 2016, Cambridge, MA.

Paggi, A.; **Maksym, W. P.**, Fabbiano, G.; Elvis, M.; Karovska, M.; Wang, J.; Storchi-Bergmann, T., “Imaging AGN Feedback in NGC 3393 with CHEERS”, *AAS HEAD Meeting #15*, #106.02.

**Maksym, W. P.**, Fabbiano, G.; Elvis, M.; Karovska, M.; Paggi, A.; Wang, J.; Storchi-Bergmann, T., “Imaging AGN Feedback in NGC 3393 with CHEERS”, *AAS Meeting #227*, #243.55.

Irwin, J.; **Maksym, W. P.**, Romanowsky, A.; Strader, J.; Lin, D., “Giant Rapid X-ray Flares in Extragalactic Globular Clusters”, *AAS Meeting #227*, #411.02.

**Maksym, W. P.**; “X-rays and the Future of Tidal Disruption Events”, *Jerusalem TDE Workshop*, November 2-5, 2015, Jerusaem, Israel.

**Maksym, W. P.**; “The Habitats and Feeding Habits of Supermassive Black Holes”, *The Harvard-Smithsonian CfA Postdoctoral Symposium*, November 20th, 2015, Cambridge, MA.

**Maksym, W. P.**; Miller, J.; Kaastra, J.; Miller, C.; Reynolds, M.; Brown, G.; Cenko, B.; Drake, J.; Gezari, S.; Guillochon, J.; Gultekin, K.; Irwin, J.; Levan, A.; Maitra, D.; Mushotzky, R.; O’Brien, P.; Paerels, F.; de Plaa, J.; Ramirez-Ruiz, E.; Strohmayer, T.; Tanvir, N.; “Shredding Stars at High Resolution”, *The Universe in High-Resolution Spectra*, August 19-20, 2015, Cambridge, MA.

**Maksym, W. P.**; Ulmer, M. P.; Roth, K. C.; Irwin, J.; Dupke, R. A.; Ho, L. C.; Keel, W. C.; Adami, C.; Lin, D.; Miller, J.; Cenko, S. B.; Drake, J.; Gezari, S.; Mushotzky, R.; Gultekin, K.; Kaastra, J.; Paerels, F.; Ramirez-Ruiz, E.; Reynolds, M.; Eracleous, M.; Bogdanovic, T.; Clausen, D.; Sigurdsson, S.; Halpern, J.; “Tidal Disruption Events from Nearby Dwarf Galaxies”, *AAS Meeting #225*, #144.28.

**Maksym, W. P.**; “Chandra and the X-ray View on Tidal Disruption Events”, *15 Years of Science with Chandra*, November 18-21, 2014, Boston, MA.

**Maksym, W. P.**; Keel, W. C.; Lintott, C.; Schawinski, K.; Bennert, V. N.; Moiseev, A.; Urry, M.; Chojnowski, D.; Schirmer, M.; “A 3D Perspective on Extended Emission Line Regions from the Galaxy Zoo<sup>12</sup>”, *3D2014: Gas and stars in galaxies: A multi-wavelength 3D perspective*, March 9-14, 2014, ESO, Garching, Germany.

**Maksym, W. P.**; Irwin, J.; Ulmer, M. P.; Roth, K.; Dupke, R. A.; Ho, L. C.; Keel, W. C.; Adami, C.; Lin, D.; “Tidal Disruption Events from Archival X-ray Observations of Dwarf Galaxies”, *AAS Meeting #223*, #406.02.

**Maksym, W. P.**; Irwin, J.; Wong, K.; Yukita, M.; Su, Y.; Lin, D.; Million, E.; “Spatial Analysis of the Hot Gas Distribution in a Complete Chandra Survey of Early-Type Galaxies”, *AAS HEAD Meeting #11*, #120.16.

**Maksym, W. P.**; Irwin, J.; Ulmer, M.; Wampler-Doty, M.; Eracleous, M.; Ho, L. C.; Dupke, R.; “Latest Results in a Survey for Tidal Disruption Flares<sup>3</sup>”, *SnowPac 2013, Black Hole Fingerprints: Disruptions, Dynamics and Demographics*, March 17-22, 2013, Snowbird, Utah.

**Maksym, W. P.**; Keel, W. C.; Bennert, V.; Schawinski, K.; Chojnowski, D.; Lintott, C.; The Galaxy Zoo; “Probing AGN Shutdown on the Shortest Timescales”, *AAS HEAD Meeting #11*, #120.16.

Keel, W. C.; **Maksym, W. P.**; Bennert, V.; Schawinski, K.; Lintott, C. J.; Chojnowski, D.; “HST Imaging of Giant Ionized Clouds Around Fading AGN<sup>4</sup>”, *AAS Meeting #221*, #339.47.

**Maksym, P.**; “Tidal Flares and Rates from an Archival Cluster Survey”, *Tidal Disruption Events and AGN Outbursts*, June 25-27, 2012, ESAC, Madrid.

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<sup>1</sup><http://www.eso.org/sci/meetings/2014/3D2014/all-highlight2.pdf>

<sup>2</sup><https://twitter.com/StellarBones/status/443053821917691904>

<sup>3</sup>[https://dl.dropbox.com/u/68024270/SnowPAC2013/02\\_March\\_19\\_Tuesday/PM\\_Session/MBH\\_Fingerprints\\_Utah\\_Maksym.pdf](https://dl.dropbox.com/u/68024270/SnowPAC2013/02_March_19_Tuesday/PM_Session/MBH_Fingerprints_Utah_Maksym.pdf)

<sup>4</sup><http://galaxyzooblog.files.wordpress.com/2013/01/aasposter.png>

**Maksym, P.;** “Constraining the Tidal Disruption Rate”, *The Physics of Astronomical Transients*, Jan. 21-27, 2012, The Aspen Center for Physics.

**Maksym, P.;** “An X-ray Survey for Tidal Disruption Flares in Clusters of Galaxies”, *AAS Meeting #219*, #308.03.

**Maksym, P.;** Ulmer, M.P.; and Eracleous, M.; “Tidal Disruption Events and Event Rates Based on a X-Ray Survey of Rich Galaxy Clusters”, *AAS Meeting #217*, Special Session Talk: Science Highlights from NASA’s Astrophysics Data Analysis Program II.

**Maksym, P.;** and Ulmer, M.P.; “Constraining the Tidal Flare Rate with Rich Galaxy Clusters”, *AAS HEAD Meeting #11*, #8.15.

**Maksym, P.;** Ulmer, M.P.; and Eracleous, M.; “A Tidal Disruption Flare from a Rich Galaxy Cluster”, *Chandra’s First Decade of Discovery*, 22 September 2009, Boston, MA, Edited by Wolk, S.; Fruscione, A.; and Swartz, D., #148.

Perley, D.A.; Green, P.J.; Barkhouse, W.A.; Kim, D.-W.; Silverman, J.D; **Maksym, P.W.;** Cameron, R.A. “Explorations in Multiwavelength Cluster Detection Using Chandra”, 2003, *AAS Meeting 203*, #80.03.

Kim, D.-W.; Cameron, R.; Drake, J.; Evans, N.; Freeman, P.; Gaetz, T.; Ghosh, H.; Green, P.; Harnden, R.; Karovska, M.; Kashyap, V.; **Maksym, P.;** Schlegel, E.; Silverman, J.; Tananbaum, H.; Vikhlinin, A.; Wilkes, B.; ChaMP Collaboration, “Is there field-to-field cosmic variation in X-ray source density”, 2003, *AAS HEAD Meeting #7*, #14.01.

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## PRESS

*PI: Death By Black Hole In Small Galaxy?:*

- ★ Press releases by the Chandra X-ray Center<sup>56</sup> and at AAS Meeting #223<sup>7</sup>, Jan. 8, 2014
- ★ Chiao, M., “A Flare to Remember”, 2014, *Nature Physics* 10, 86.
- ★ Dickenson, D., “Chandra’s Verdict, on the Demise of a Star: ‘Death by Black Hole’”, Jan. 9, 2014, *Universe Today*<sup>8</sup>
- ★ Poladian, C., “A Star Gets Torn Apart: First Ever Recorded ‘Death By Black Hole In A Dwarf Galaxy’”, Jan. 8, 2014, *International Business Times*<sup>9</sup>
- ★ Enoch, E., “How are black holes formed? UA researchers are leading a study of celestial flare”, Jan. 20, 2014, *Tuscaloosa News*<sup>10</sup>
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<sup>7</sup><http://aas.org/aas-223rd-meeting/223rd-aas-meeting-videos>, AAS Meeting #223, “Care and Feeding of Black Holes”, 8:17-14:23

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*Co-I: Destroyed Star Rains onto Black Hole, Winds Blow it Back*, Chandra X-ray Center<sup>13</sup>

*Co-I: Where Alice in Wonderland Meets Albert Einstein*, NASA<sup>14</sup> and Gemini<sup>15</sup>

*Co-I: Hubble Finds Phantom Objects Near Dead Quasars*, Space Telescope Science Institute<sup>1617</sup>

## PRESENTATIONS AND SEMINARS

“Resolving AGN-Host Interactions with CHEERS”, January 2016,  
*Harvard-Smithsonian Center for Astrophysics, High Energy Seminar*

“Tidal Disruption Flares from Rich Clusters of Galaxies”, August 2011,  
*University of Alabama, Journal Club Seminar*

“New Light on Tidal Disruption Flares”, November 2011,  
*Fermilab Center for Particle Astrophysics, Fermilab Particle Astrophysics Seminar*

“Finding Tidal Flares”, July 2010,  
*Northwestern University, Theory Group Seminar*

“Tidal Flares; or, How to Tell if your Black Holes Have Been Sneaking a Snack”, June 2010,  
*Northwestern University, NASA Summer Research Program*

“The Rare and Messy Deaths of Wayward Stars: A Cautionary Tale”, 2009,  
*Northwestern University, NASA Summer Research Program*

“Observational Astrophysics at Northwestern University”, 2007,  
*Northwestern University, Presentation for Prospective Students*

“Circumnuclear Starbursts in Seyfert and Radio Galaxies”, 2006,  
*Northwestern University, Student Lecture for Advanced Topics Course*

“Broad Line Regions in AGNs”, 2006,  
*Northwestern University, Student Lecture for Advanced Topics Course*

“X-ray Flares in Other Galaxies”, 2005,  
*Northwestern University, NASA Summer Research Program*

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<sup>13</sup>[http://chandra.harvard.edu/press/15\\_releases/press\\_102115.html](http://chandra.harvard.edu/press/15_releases/press_102115.html)

<sup>14</sup>[http://www.nasa.gov/mission\\_pages/chandra/where-alice-in-wonderland-meets-albert-einstein.html](http://www.nasa.gov/mission_pages/chandra/where-alice-in-wonderland-meets-albert-einstein.html)

<sup>15</sup><http://www.gemini.edu/node/12454>

<sup>16</sup><https://www.spacetelescope.org/news/heic1507/>

<sup>17</sup><http://hubblesite.org/newscenter/archive/releases/2015/13/>