

CURRICULUM VITAE

Jimmy A. Irwin

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EDUCATION

1995 – 1997 **University of Virginia** - Ph.D. Astronomy, August 1997 Charlottesville, VA
1992 – 1995 **University of Virginia** - M.A. Astronomy, January 1995 Charlottesville, VA
1988 – 1992 **Indiana University** - B.S. Astronomy and Astrophysics, May 1992 Bloomington, IN
Summa Cum Laude, Phi Beta Kappa

POSITIONS

Aug. 2015 – present	Associate Professor	Department of Physics & Astronomy, University of Alabama
Aug. 2009 – Aug. 2015	Assistant Professor	Department of Physics & Astronomy, University of Alabama
Aug. 2009 – present	Visiting Assistant Professor	Astronomy Department University of Michigan
Apr. 2003 – Aug. 2009	Assistant Research Scientist	Astronomy Department, University of Michigan
Sep. 1999 – Aug. 2002	Chandra Fellow	Astronomy Department, University of Michigan
Sep. 1997 – Aug. 1999	Postdoctoral Research Fellow	Astronomy Department, University of Michigan

ACCEPTED FUNDED PROPOSALS (PI only)

4-year NASA Astrophysics Data Program – 2010-2014 -	<i>Chandra</i> AO-11 (2) <i>Chandra</i> AO-9	<i>XMM-Newton</i> AO-6 <i>XMM-Newton</i> AO-4
5-year NASA Long term Space Astrophysics 2005-2010	<i>Chandra</i> AO-6 <i>Chandra</i> AO-5 (2)	<i>XMM-Newton</i> AO-3 (3) <i>XMM-Newton</i> AO-2
<i>Chandra</i> AO-17 (3)	<i>Chandra</i> AO-4 (2)	<i>XMM-Newton</i> AO-1
<i>Chandra</i> AO-16	<i>Chandra</i> AO-3 (2)	<i>Suzaku</i> AO-1
<i>Chandra</i> AO-15	<i>Chandra</i> AO-2	<i>HST</i> Cycle-12
<i>Chandra</i> AO-14	<i>Chandra</i> AO-1	<i>HST</i> Cycle-19
<i>Chandra</i> AO-13	<i>XMM-Newton</i> AO-10	<i>HST</i> Cycle-23

POSTDOCS / GRADUATE STUDENTS ADVISED

Fall 2014 - present	Christopher Spradlin – graduate student	University of Alabama- Birmingham
Spring 2013 - present	Lucas Johnson – graduate student	University of Alabama
Fall 2012 – Fall 2015	Peter Maksym - postdoc	University of Alabama
Fall 2012 – Fall 2013	Dacheng Lin -postdoc	University of Alabama
Fall 2010 – Fall 2013	Evan Million – postdoc	University of Alabama
Fall 2010 – Fall 2013	Ka-Wah Wong - postdoc	University of Alabama
Fall 2010 – Spring 2013	Mihoko Yukita - postdoc	University of Alabama
Fall 2009 – Summer 2013	Yuanyuan Su – graduate student	University of Alabama
Fall 2004 – Summer 2006	Chris Mullis - postdoc	University of Michigan

FELLOWSHIPS/AWARDS

Spring 2013	University of Alabama CARSCA award
Fall 2008	University of Michigan Research Faculty Recognition Award for Research Scientists, 2008
Sep. 1999 – Aug. 2002	<i>Chandra</i> Fellowship
1995 – 1997	Achievement Rewards for College Scientists (ARCS) Fellowship : Metro Washington Chapter, University of Virginia, Graduate School of Arts & Science Recipient
1992 – 1995	Presidential Fellowship : University of Virginia

MAJOR COLLABORATIONS

Feb. 2012 - present **External Collaborator** JPAS - Javalambre Physics of the Accelerating Universe
(j-pas.org)
54 narrow-band filter optical survey of 1/5 of the night sky to begin in 2015

PROFESSIONAL SOCIETY

American Astronomical Society (HEAD member)

ASTRONOMICAL SERVICE

- Member of Chandra User's Committee (CUC) 2010 – 2013
- Member of NASA XMM-Newton Senior Review 2011 - present
- Member of HEASARC User's Group (HUG) 2002 - 2004
- *Astro-E I* AO-1 and *Astro-E II* AO-1, AO-2 Time Allocation Committee
- *Chandra* AO-2, AO-3, AO-7, AO-12, AO-15 Time Allocation Committee
- *XMM-Newton* AO-3 and AO-4 Time Allocation Committee
- Referee for NASA Postdoctoral Fellowship Program (2007, 2011, 2013, 2014)
- Referee for Dutch National Science Foundation Research Proposal Program (2007)
- Referee for 40+ papers appearing in *ApJ*, *ApJ Letters*, *AJ*, *A&A*, *A&A Letters*, *MNRAS*, *PASP*

RESEARCH AREAS

Hot Gas Around Supermassive Black Holes

testing accretion flow models by studying gas within the Bondi radius of a SMBH

Intermediate-Mass Black Holes

potential tidal disruption of stars by IMBHs within globular clusters, ultraluminous X-ray sources (ULXs)

X-ray Emission From Hot Gas in Early-type Galaxies

L_X/L_{opt} dispersion problem, metallicity of hot gas, accretion history of early-type galaxies

Clusters/Groups of Galaxies

temperature and abundance profiles; gravitational lensing from groups of galaxies

X-ray Binary Populations of Galaxies

NS vs BH primaries; X-ray luminosity functions; globular cluster habitat of XRBs; long-term variability

X-ray AGN Fractions in Merging Group Filaments

TEACHING EXPERIENCE

Fall 2010-2013	Professor, Solar System Astronomy (AY204)	University of Alabama
Spring 2012-2013, Fall 2014	Professor, Introduction to Astronomy (AY101)	University of Alabama
Spring 2010-11-14-15	Professor, Astronomy beyond the Solar System (AY206)	University of Alabama
Summer 2008	Instructor, <i>Introductory Astronomy: Stars, Galaxies, and the Universe</i> (A102)	University of Michigan
Winter 2001	Instructor, <i>Naked Eye Astronomy</i> (ASTR127)	University of Michigan
Fall 1992 – Spring 1994	Graduate Teaching Assistant	Astronomy Dept., University of Virginia
	- Night Sky Laboratory (ASTR103)	
	- General Astronomy (ASTR211)	

IN THE NEWS

Press Release – “Massive Black Hole Implicated in Stellar Destruction” – January 2010 AAS Meeting

Press Release – “NASA's Chandra Observatory Images Gas Flowing Toward Black Hole” – July 2011

(made front page of cbsnews.com)