

Curriculum Vitae — Fabian Walter

Personal Details

Name: Fabian Walter
 Work address: Max Planck Insitut für Astronomie
 Königstuhl 17
 69117 Heidelberg, Germany
 E-mail: walter@mpia.de
 URL: <http://www.mpia-hd.mpg.de/homes/walter/index.html>

Present Occupation

- Aug 2004–present: Group Leader/Staff Scientist
 Max Planck Institut für Astronomie, Heidelberg, Germany

Previous Occupations

- 2002–2004: Jansky Postdoctoral Fellow (Research Associate)
 National Radio Astronomy Observatory, USA
- 1999–2002: Postdoctoral Scholar in Radio Astronomy
 Owens Valley Radio Observatory
 California Institute of Technology, USA

Education

- *Ph.D.* in Astronomy (Summa Cum Laude), 1999
 Institute for Radio Astronomy, University of Bonn, Germany
 Title of Ph.D. Thesis: ‘*The Violent Interstellar Medium of Nearby Dwarf Galaxies*’,
 Advisors: Prof. E. Brinks (U. of Guanajuato) and Prof. U. Klein (U. of Bonn)
- *M.Sc.*, Physics (GPA: 4.00/4.00), 1995
 University of New Mexico (UNM), Albuquerque, NM, and
 National Radio Astronomy Observatory, Socorro, NM
 Title of Master Thesis: ‘*A Search for Dark Matter in II Zwicky 33 and its Companion*’,
 Advisors: Prof. N. Duric (UNM) and Prof. E. Brinks (NRAO)
- *Vordiplom*, Physics (grade: sehr gut, A)
 Department of Physics, University of Würzburg, Germany (May 1993)
- *Abitur*, majors: Mathematics & Physics (grade: 1.7/1.0)
 Friedrich–List–Gymnasium, Reutlingen, Germany (June 1990)

Fields of Interest

- The Highest–Redshift Quasars/Epoch of Reionization.
- Evolution of QSOs through Cosmic Times.
- The Structure and Evolution of the Interstellar Medium in Galaxies.
- Star Formation in Nearby and Distant Galaxies.
- (Sub)mm Astronomy.

Postdocs/Students in my group:

Name	years	Where they came from...	Where they are now...
Dr. John Cannon	04–06	University of Minnesota	Assistant Professor Macalester College, USA
Dr. Kirsten Knudsen	04–07	Leiden University	Postdoc, Bonn University
Dr. Jaron Kurk	04–09	Arcetri Observatory	MPE
Dr. Helene Roussel	05–07	CalTech	Staff Astronomer, IAP, France
Dr. Adam Leroy	06–present	Berkeley	Hubble Fellow, NRAO
Dr. Thomas Greve	07–present	CalTech	MPIA
Dr. Sebastian Jester	07–09	Univ. Southampton/MPIA	BMBF
Dominik Riechers	04–07	MPIfR Bonn	Hubble Fellow, Caltech
Frank Bigiel	05–08	Heidelberg University	UC Berkeley
Gisella de Rosa	08–present	Trieste University	MPIA
Andreas Schrubba	08–present	Heidelberg University	MPIA
Dr. Eric Morganson	09–present	Stanford	MPIA
Dr. Karin Sandstrom	09–present	Berkeley	MPIA
Dr. Roberto Decarli	09–present	Como, Italy	MPIA

Awards/Honors

- Member of the International Astronomical Union (since 2002).
- Jansky Postdoctoral Fellowship, National Radio Astronomy Observatory, 2002
- PhD, Summa Cum Laude, Bonn University, 1999
- “Hörlein Prize” for outstanding PhD Thesis, Bonn University, Germany, 1999
- Full Member of the American Astronomical Society (since 1998)
- Fellowship in the Graduate School ‘The Magellanic Clouds and other dwarf galaxies’ by the German Science Foundation (DFG), 1996–1999
- Award of a place at the University of New Mexico at Albuquerque (Würzburg 1993)
- Scholarship for outstanding students, Baden–Württemberg, Germany, 1989, 1990

Meetings/Conferences/Workshops attended, Aug 2004–present

- Aug 2004, Bad Honneff, ‘Evolution of Starbursts’
- Sep 2004, Cambridge, ‘Starbursts - from 30 Doradus to Lyman break galaxies’
- Sep 2004, Garching, ‘ALMA community day’ (*invited talk*)
- Oct 2004, Heidelberg, ‘SED in gas–rich galaxies’
- Oct 2004, Paris, ‘The Dusty and Molecular Universe — A Prelude to HERSCHEL and ALMA’ (*invited talk*)
- Nov 2004, Bad Honneff, Meeting of DFG Priority Program
- Jan 2005, Bad Honneff, Meeting of Bonn/Bochum Graduate School (*invited talk*)
- Jan 2005, Heidelberg Colloquium (*invited talk*)
- Jan 2005, Basel Colloquium (*invited talk*)

- Feb 2005, Göttingen Colloquium (*invited talk*)
- Feb 2005, Obergurgl, ‘Surveying the Universe – Spectroscopic and Imaging Surveys for Cosmology’ (*invited talk*)
- Mar 2005, Ringberg, “Multi–Wavelength Surveys” (*invited talk*)
- Jun 2005, Boston (CfA), ‘Submillimeter Astronomy in the era of the SMA’ (*invited talk*)
- Aug 2005, Garching, MPA/ESO conference ‘Open questions in Cosmology’ (*invited talk*)
- Sep 2005, Irsee, Meeting of the DFG Priority Program
- Sep 2005, Köln, Annual Meeting of the ‘Astronomische Gesellschaft’
- Oct 2005, Leiden, ‘Science Requirements for a Far–Infrared Mission (FIRM)’ (*invited talk*)
- Nov 2005, Pasadena, ‘Spitzer Galaxy Evolution’
- Nov 2005, Pasadena, SINGS team meeting
- Jan 2006, Washington, 207th Meeting of the American Astronomical Society
- Jan 2006, Charlottesville, ‘From Z–machines to ALMA’ (*invited talk*)
- Feb 2006, Garching, ESO Colloquium (*invited talk*)
- Mar 2006, Ringberg, ‘Dwarf Galaxies as Cosmological Probes’ (*organizer*)
- Jun 2006, Ishigaki, ‘Mapping the Galaxy and Nearby Galaxies’
- Aug 2006, Prague, 26th General Assembly of the IAU (2 talks) (*invited talk*)
- Oct 2006, Granada, IRAM Program Committee meeting
- Nov 2006, Madrid, ‘Science with ALMA: a new era for Astrophysics’ (*invited talk*)
- Dec 2006, Heidelberg, THINGS team meeting (*organizer*)
- Dec 2006, Honolulu, PanSTARRS meeting
- Jan 2007, Bad Honnef, Meeting of the DFG Priority Program
- Feb 2007, Noordwijk, ‘Herschel Open Time Key Projects’
- Feb 2007, Cambridge Colloquium (*invited talk*)
- Apr 2007, Granada, IRAM Program Committee meeting
- May 2007, Charlottesville, NRAO User’s Committee meeting
- May 2007, Hirschhorn, THINGS team meeting (*organizer*)
- Jun 2007, Charlottesville, ‘NRAO 50th Anniversary’ (*invited talk*)
- Jul 2007, Sydney, ‘Galaxies in the Local Universe’ (*invited talk*)
- Aug 2007, Baltimore, PanSTARRS meeting
- Sep 2007, Garching, ‘ALMA Community day/ALMA surveys’
- Sep 2007, Garching, MPA/ESO, ‘Gas Accretion and Star Formation in Galaxies’ (*invited talk*)
- Sep 2007, Würzburg, Annual Meeting of the ‘Astronomische Gesellschaft’ *Splinter meeting organizer*

- Dec 2007, Ringberg, Meeting of the 'MPIA Galaxy/Cosmology' group
- Apr 2008, Granada, IRAM Program Committee meeting
- Apr 2008, MPIA, Pan-STARRS Science Council Meeting
- May 2008, Green Bank, USA, NRAO User's Committee meeting
- May 2008, Charlottesville Colloquium UV/NRAO (*invited talk*)
- Jun 2008, Garching, 'Gas and Stars in Galaxies – A Multi-Wavelength 3D Perspective' (*invited talk*)
- Jul 2008, Aspen, 'Active Galactic Nuclei: Interplay-Supermassive Black Holes, Star Formation & Galaxy Evolution'
- Aug 2008, Bad Honnef, 'Black Holes and their environment' (*invited lecturer*)
- Sep 2008, Heidelberg, 'Cosmic Dust — Near and Far' (*invited talk*)
- Oct 2008, Madrid, IRAM Program Committee meeting
- Jan 2009, Leuven, JWST MIRI European consortium meeting
- Feb 2009, Obrigheim, MPIA GC staff meeting
- Feb 2009, Edesheim, MPIA strategy meeting
- Mar 2009, Garching, ESO workshop 'ELTs and ALMA: A deeper, finer view of the universe' (*contributed talk*)
- Mar 2009, Garching, Discussions on potential new DFG SPP program
- Apr 2009, Granada, IRAM Program Committee meeting
- Apr 2009, Leicester, JWST MIRI European consortium meeting
- May 2009, Socorro, VLA-AOC (lunch talk)
- May 2009, Mt Graham, Visit of the Large Binocular Telescope
- May 2009, Flagstaff, Colloquium at Lowell Observatory
- Jun 2009, Pasadena, AAS meeting
- Aug 2009, Cambridge, MA, Pan-STARRS Science Council meeting
- Sep 2009, Copenhagen, JWST MIRI European consortium meeting
- Sep 2009, Potsdam, Annual Meeting of the German Astronomical Society (*highlight talk*)
- Sep 2009, Grenoble, IRAM 30th anniversary (*invited talk*)
- Oct 2009, Heidelberg, workshop 'First Star Formation' (*invited talk*)
- Oct 2009, Bonn, German ALMA community day

Institutional Functions

- Teaching Assistant, Dept. of Physics & Astronomy, Univ. of New Mexico, 1994–1995
- Astronomer on Duty at Owen's Valley Radio Observatory (OVRO) 1999–2002
- Member of the CalTech Colloquium Committee (2000–2002)

- Scheduler of OVRO observers (2000–2001)
- Member of the NRAO/ALMA Antenna Evaluation Group (2002–2004)
- Organizer of NRAO Lunch Talk series (2002–2004)
- Organizer of Heidelberg Joint Astronomical Colloquium (2004–2006)
- Member of the 'Wissenschaftlicher Berater Kreis (WBK)', MPIA (2004–present)
- Strategic Time Allocation Committee (STAC), MPIA (2005–present)

Member of Large Projects/Collaborations

- THINGS, The HI Nearby Galaxy Survey, VLA Large Project PI: Walter
- LABOCA ESO/MPG Large project to map the ECDFS, Co-I's: Smail & Walter
- PanSTARRS-1 Key Project 10: High Redshift QSOs, Co-Leads: Chambers & Walter
- SINGS, Spitzer Infrared Nearby Galaxies Survey, PI: Kennicutt
- LVL, Spitzer Local Volume Legacy, PI: Kennicutt
- LITTLE THINGS, VLA Large Project, PI: Hunter
- VLA-ANGST, VLA Large Project, PI: Ott
- HERA-THINGS, IRAM 30m CO Survey of Nearby Galaxies, PI: Walter
- Herschel Guaranteed Time Key Project (GTKP) on high-z QSOs "The Dusty Young Universe", PI: Meisenheimer
- Herschel GTKP, "Star formation and activity in infrared bright galaxies at $0 < z < 1$ ", PI: Sturm
- KINGFISH, "Key Insights on Nearby Galaxies: a Far-Infrared Survey with Herschel" Herschel Open Time Key Project (OTKP), PI: Kennicutt
- HerCULES, "Herschel Comprehensive ULIRGs Emission Survey", Herschel OTKP, PI: van der Werf
- VIDEO Vista Deep Extragalactic Observations, PI: Jarvis
- VHS Vista Hemisphere Survey, PI: McMahan
- Co-I on SPACE proposal to ESA.

Community Service

- Caltech 'OVRO Time Allocation Committee' (1999–2002)
- Co-Organizer of Topical Session 52 ("The Cosmological Impact of Galactic Winds") during AAS meeting 198 (Pasadena 2001)
- Reviewer: Monthly Notices of the Royal Astronomical Society, Astronomy and Astrophysics, Astronomy and Astrophysics Letter, Science, Astrophysical Journal Letters
- Proposal Review, Green Bank Telescope of the NRAO (2004–2007)
- Mar 2005, Organizer, Ringberg Meeting 'Dwarf Galaxies as Cosmological Probes' (March 2006)
- Sep 2007, Organizer, Splinter Meeting at Astronomische Gesellschaft Meeting Würzburg (2007)
- Jun 2008, Member of SOC for "3D Conference" Garching, June 2008
- IRAM program committee (2005–present), Chair: 2007
- NRAO Users' Committee (2007–present)