

Elizabeth A. K. Adams

CONTACT INFORMATION

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EDUCATION

Cornell University, Ithaca, NY, USA

Ph.D., Astronomy & Astrophysics, January 2014

- Thesis Topic: Ultra-compact High Velocity Clouds in the ALFALFA HI Survey: Candidate Local Group Galaxies?

- Advisors: Professor Martha Haynes and Professor Riccardo Giovanelli

M.S. in Astronomy & Astrophysics, May 2010

Indiana University, Bloomington, Indiana

B.S. Mathematics, May 2007

B.S., Astronomy & Astrophysics, May 2007

- With highest distinction and general honors
- Astronomy & Astrophysics degree with honors
- Astronomy advisor: Professor Liese van Zee

Australian National University, Canberra, Australia

Study Abroad, July 2004 - June 2005

- Advisor: Professor Peter Wood

RESEARCH INTERESTS

Galaxy surveys; galaxy evolution and formation; gas content of galaxies; dwarf galaxies; radio interferometry; low surface brightness HI

APPOINTMENTS

Associate Scientist at ASTRON, the Netherlands Institute for Radio Astronomy	2020-present
Visiting Assistant Professor at Kapteyn Astronomical Institute, University of Groningen	2017-present
Junior Scientist at ASTRON, the Netherlands Institute for Radio Astronomy	2017-2020
Postdoctoral researcher with the HuDaGa project, ASTRON	2015-2017
Postdoctoral Fellow at ASTRON Netherlands Institute for Radio Astronomy	2013-2015
Graduate Research Assistant (Cornell University)	2012-2013
NSF Graduate Research Fellow (Cornell University)	2008-2010, 2011-2012
Teaching Assistant for Astronomy 1101 and 1102 (Cornell University)	2010-2011
Patten Z. Carter '25 and NASA/New York Space Grant Fellow (Cornell University)	2007-2008

RESEARCH EXPERIENCE

ASTRON:

Staff scientist

HI imaging and kinematics of the lowest HI mass dwarf galaxies (SHIELD, Apertif)	2020-present
Lead science operations of Apertif	2019-present
Lead scientific commissioning of imaging mode of Apertif	2017-2019
Study HI content of ultra-diffuse galaxies	2018-present
Study HI content of Leo T	2017-2018

Postdoctoral Research

WSRT HI imaging of low mass galaxies and low surface brightness galaxy candidates	2013-present
Scientific commissioning of Apertif	2016

Cornell University:*Graduate Research*

Searching for missing Local Group galaxies within the ALFALFA survey	2009-2013
Exploring galaxy interactions via Gadget-2 simulations of the Leo Triplet	2008-2009

Indiana University:*Undergraduate Research*

Examination of dwarf irregular galaxies and the Tully-Fisher relation	2005-2007
Examination of mass loss of red giants in M15	2003-2004

University of Hawaii, Institute for Astronomy:*Research Experience for Undergraduates*

Photometric redshifts of intermediate redshift massive galaxy clusters	Summer 2006
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Australian National University, Mt. Stromlo:*Summer Research Scholarship*

Causes of long period red giant variables in the Large Magellanic Cloud	2005
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GRANTS AND FELLOWSHIPS

Women in Science Excel Fellow	2017-2022
Cornell University Graduate School Conference Grant	2010, 2011
NSF Graduate Research Fellowship	2007-2012
Patten Z. Carter '25 Fellowship, Cornell Astronomy	2007-2008
NASA/New York Space Grant Fellowship, Cornell Astronomy	2007-2008
Goldwater Scholar	2006-2007
Herman B Wells Scholar, Indiana University	2002-2006

HONORS AND AWARDS

Eleanor York Prize for excellence in research, teaching and service, Cornell Astronomy	2010
Benson Leister Peer-Awarded Fellowship, Cornell Astronomy	2010
AAS Chambliss Student Achievement Award	2007
Hollis and Grete Johnson Award for Excellence in Student Research, IU Astronomy	2006
Astronomy Alumni Award for Overall Academic Excellence, IU	2006

STUDENT SUPERVISION**PhD students, Kapteyn Astronomical Institute, University of Groningen**

Barbara Šiljeg	
<i>Dynamics of HI-rich dwarf galaxies</i>	2021-2025 Pavel Mancera Piña
<i>Kinematics and scaling relations from cold gas observations of galaxies</i>	2018-2022

BSc projects, Kapteyn Astronomical Institute, University of Groningen

Saumya Varde	
<i>Low metallicity gas and Neutral Hydrogen in Interacting Galaxies</i>	2021
Jappe Jongejan	
<i>Building an Ultra-Compact High Velocity Cloud Catalog</i>	2019

BSc projects, Macalester College

Lilly Kelly-Bralts	
<i>ALFALFA Harvest: HI Imaging and 3D Modeling of Candidate Local Group Dwarf Galaxies</i>	2020
Liz Ruvolo	
<i>SHIELD: The HI Mass-Diameter Relation</i>	2018

ASTRON/JIVE Summer Student Programme

Lilly Kelly-Bralts, *VLA H α imaging of ultra-compact high velocity clouds* 2019
Anoj Khadka, *A remarkable H α massive galaxy, co-supervised with Dr. Kelley Hess* 2016
Bahar Bidaran, *Searching for a cool neutral medium in UCHVCs* 2015

TEACHING EXPERIENCE

Kapteyn Astronomical Institute, University of Groningen

Dwarf galaxies Spring (IIb) 2019, 2021
Capita selecta course for MSc students on dwarf galaxies. Designed and taught course. Emphasis on practical astronomy skills - reading journal articles, writing proposals, presentations.

Cornell University

ALS6015: The Practice of Teaching in Higher Education Spring 2012
Course served as an overview of teaching in higher education; included syllabus development, designing course assessments and more

Center for Astronomy Education Tier I Teaching Excellence Workshop Spring 2011
Attended a two day workshop focused on creating learner-centered teaching environments in introductory astronomy courses.

Teaching Assistant, Astronomy 1101 and 1102 August 2009-May 2010
Introductory astronomy courses for non-majors. Taught two sections a semester, led help sessions, guest lectured, proctored exams.

Indiana University

Undergraduate Instructor, A118 and math tutor center August 2005-May 2007
A118: Finite mathematics for social and biological sciences; proctored exams, led help sessions.
Tutor center: Tutored students in precalculus and finite mathematics courses for eight hours a week.

EDUCATIONAL AND PUBLIC OUTREACH ACTIVITIES

Astronomy on Tap 2019
Gave talk on dwarf galaxies to a public audience

Girlsday 2014-present
Advice on program
Design and run "Galaxy classification", a workshop to expose participants to astronomical research.
Run "Chatten met astronomen", a workshop to help participants recognize themselves in professional astronomers.

ASTRON Open Dag 2013-present
Helped with hands-on activities to introduce the public to astronomy

AAS Annual winter meeting exhibit hall outreach even 2017-present
Design and run an interactive activity to demonstrate how interferometers work.

Undergraduate ALFALFA Workshop 2010-2012
Gave invited talks, organized hands-on activities and trained undergraduates to use Arecibo

Curious About Astronomy? Ask an Astronomer 2007-2013
curious.astro.cornell.edu: Answered questions submitted via email; organized a monthly podcast and produced 5 podcasts; served as a panelist for two live events and organized another panel

Expanding Your Horizons in Science, Math and Engineering 2009-2012
Annual conference for 7-9 grade girls. Ran (2010-2012) and assisted (2009) with Rockets workshop.

	<i>Focus for Teens Astronomy Program</i>	2009-2012
	Developed and ran various workshops in Astronomy for this 4-H affiliated program run at Cornell.	
PROFESSIONAL DEVELOPMENT	<i>3rd Generation Calibration School #4: HI Fidelity</i>	2016
	Attended a workshop on advanced radio calibration techniques with an emphasis on HI	
	<i>Python Workshops</i>	2013-2014
	Attended four different python workshops, covering basic to advanced topics, including numpy	
	<i>Data Reduction Workshop</i>	2011
	Three day workshop on using CASA to calibrate and image (E)VLA data.	
	<i>NRAO Synthesis Imaging Summer School</i>	2010
	A week-long workshop including lectures on synthesis imaging and hands-on tutorials.	
CONFERENCE ORGANIZATION	SOC chair for EAS SS1 “Apertif: Two-years of survey operations”	2021
	Organized Data Quality Assessment session for “SPARCS IX - Pathfinders get to work”	2019
	SOC member for “11th PHISCC workshop”	2018
	SOC member “70th Netherlands Astronomy Conference”	2015
	SOC and LOC chair for <i>Life-cycle of gas in galaxies: A local perspective</i> , ASTRON	2015
	LOC member for <i>7th PHISCC workshop</i> , ASTRON	2014
REVIEWING ACTIVITIES	Review panel for NWO Veni	2020, 2021
	External reviewer for CIRADA HI emissions	2020
	External PhD thesis examiner, UCT and UWA	2019-present
	External reviewer for South Africa’s National Research Foundation	2017-present
	NRAO Science Review Panel member	2016-2018
	Referee for Astronomy & Computing, MNRAS, AAS Journals, PASA	2016-present
INTERNATIONAL COLLABORATIONS	Core team member of SHIELD (Survey of HI in Extremely Low-mass Dwarfs)	
	MIGHTEE-HI working group member; dwarf galaxy lead	
	SKA HI galaxy evolution working group member	
	SPARCS QA working group co-chair	
OTHER PROFESSIONAL ACTIVITIES	ASTRON deputy representative to the National Astronomy Equity and Inclusion Committee	2021
	Member of National Radio Astronomy Advisory Committee	2020-present
	Chair of the ASTRON Diversity Committee	2017-2021
	Member of the ASTRON Diversity Committee	2016
	Organized the ASTRON/JIVE weekly colloquium	2015-2016
	Organize and staff the ASTRON booth at the winter AAS meeting	2014-present
	Organized a monthly joint HI meeting between ASTRON and Kapteyn	2013-2015
	Instituted and organized a weekly colloquium journal club	2011-2013
	Organized Galaxy Lunch weekly talk series	2009-2011
	Treasurer for Astronomy Grads Network, Cornell University astronomy graduate student group; instituted weekly seminar series and organized professional development activities	2008-2010

Principal Investigator

- *Confirming a HI detection for the nearby dwarf galaxy R-127-1*
Awarded 2 hours VLA/D under proposal code VLA/18A-304
- *Deep HI observations of newly-discovered gas-rich ultra-faint dwarf galaxies*
Awarded 128 hours VLA/D under proposal code VLA/18A-198
- *The fundamental properties of field ultra-diffuse galaxies*
Awarded 75 hours on GMRT; proposal code 33_023
- *AGC226067: A dwarf galaxy or two on the brink of formation?*
Awarded 30 hours on GMRT; proposal code 29_036
- *HI Substructure and Kinematics of Candidate Local Group Galaxies*
Awarded 14 hours VLA/D under proposal code 15B-079
- *Ultra-compact High Velocity Clouds: Local Group Minihalos?*
Awarded 312 hours on WSRT; proposal codes R13B007 and R14A017
- *Extreme M_{HI}/L systems detected by ALFALFA*
Awarded 273 hours on WSRT; proposal code R13B001
- *Optical Imaging of Local Group Galaxy Candidates from the ALFALFA Survey*
Awarded 4 nights for WIYN/pODI; proposal code N0253
- *Ultra-Compact High Velocity Clouds: Candidate Galaxies in the Local Group*
Awarded 143 hours on the Very Large Array; proposal codes 10A-205, 12A-292, 13A-248, 14A-178
- *Confirmation of Ultra-compact High Velocity Clouds from the ALFALFA Survey*
Awarded 6 hours on the Green Bank Telescope; proposal code 12B-059
- *Ultra-compact High Velocity Clouds in the ALFALFA Survey*
Awarded 15 hours at Arecibo Observatory; proposal code A2664
- *Very Massive Underluminous Galaxies from ALFALFA*
Awarded 40 hours on the Giant Metrewave Radio Telescope; proposal code 19_005

Co-Investigator (Selected)

- *SHIELD: The Survey of HI in Extremely Low-mass Dwarfs*
Awarded >500 hours VLA/C and VLA/B under proposal code VLA/20A-330
- *High-resolution kinematics of a dark-matter-poor ultra-diffuse galaxy*
Student-led; awarded 50 hours VLA/B under proposal code VLA/20A-095
- *The connection between dark-matter poor and normal galaxies*
Student-led; awarded 56 hours VLA/C under proposal code VLA/20A-094
- *The Leoncino Dwarf: The Lowest Metallicity Star-Forming Galaxy in the Nearby Universe*
Awarded 12 HST orbits; proposal code 15243
- *Magnetizing the universe with starbursting dwarf galaxies*
Awarded 8.5 hours on LOFAR; proposal code LC6_017
- *A New Extremely Metal-Poor Galaxy Discovered by ALFALFA*
Awarded 25 hours on VLA; proposal codes 15B-388 (Director's Discretionary Time), 16A-134
- *An accurate measurement of the Baryonic Tully-Fisher Relation with very gas-dominated galaxies*
Awarded 169 hours on WSRT; proposal code R14A/014
- *SHIELD II: Low Luminosity, Low Metallicity Galaxies And Their Dark Matter Halos*
Awarded 286 hours on WSRT; proposal code R14A018
- *Fundamental Parameters of the SHIELD II Galaxies*
Awarded 18 HST orbits, proposal id 13750
- *Are Ultra-Compact High-Velocity Clouds Minihalos? Constraints from Quasar Absorption Lines*
Awarded 23 Hubble Space Telescope orbits; proposal id 12614
- *Leo P: A New Extreme Dwarf Galaxy Discovered by ALFALFA*
Awarded 9 hours on the Very Large Array; proposal codes 12A-456 (DDT), 13A-026
- *The Star Formation History of Leo P*
Awarded 17 HST orbits, proposal id 13376
- *An EVLA HI Survey of Extremely Low-Mass Galaxies*
Awarded 180 hours on the Very Large Array; proposal code 10B-187
- *Fundamental Parameters of the SHIELD Galaxies*

Awarded 12 Hubble Space Telescope orbits and 14 hours for warm Spitzer; proposal id 12658

TALKS

Invited Talks

- *Apertif imaging survey science*, 6th LOFAR data school, March 2021
- *HI in dwarf galaxies*, Joint meeting of SKA HI and Cosmology SWGs, Feb 2021
- *HI view of dwarfs*, CIFAR Gravity & the Extreme Universe Annual Meeting: "Origin of dwarf field galaxies and low-z cosmology", Aug 2020
- *First results and data from the Apertif surveys*, Arecibo Observatory seminar, July 2020
- *First results and data from the Apertif surveys*, Nijmegen colloquium, June 2020
- *The HI view of the low mass Universe*, Oxford colloquium, June 2020
- *Unveiling the low-mass Universe with new HI surveys: Apertif and dwarf galaxies* CIRA-CSIRO/Kensington Colloquium, February 2020
- *Unveiling the low-mass Universe with new HI surveys: Apertif and dwarf galaxies* CSIRO/Marsfield Colloquium, February 2020
- *Gas-rich UDGs in future HI surveys*, The Bewildering Nature of Ultra-diffuse Galaxies, Lorentz Center, August 2018
- *Understanding ultra-diffuse galaxies through neutral hydrogen studies*, ING Seminar, Santa Cruz de La Palma, 14 February 2018
- *Tracing Small-scale Dark Matter Structure through HI*, Dark matter on the smallest scales, Lorentz Center, April 2016
- *Probing the extreme edges of galaxy formation with ALFALFA*, University of Minnesota colloquium, September 2015
- *Probing the extreme edges of galaxy formation with ALFALFA*, Macalester College colloquium, September 2015
- *Searching for Local Group dwarfs via their HI content: Ultra-compact high velocity clouds in the ALFALFA HI survey*, AIfA/MPIfR colloquium, October 2014
- *Ultra-compact High Velocity Clouds: Candidate Local Group Galaxies?*, Tel Aviv University symposium, March 2014
- *The 21cm ALFALFA Survey and Candidate Local Group Galaxies*, Mini-Workshop on Fundamental Processes that Shape Galaxies, Hebrew University of Jerusalem, March 2014
- *Arecibo and Neutral Hydrogen*, Arecibo Town Hall, American Astronomical Society Meeting, January 2013
- *Hunting for Minihalos in ALFALFA*, Near Field Cosmology as a Probe of Early Universe, Dark Matter, and Gravity, Annapolis, MD, November 2011

Contributed Talks (Selected)

- *First release of data from the Apertif imaging surveys*, A precursor view of the SKA Sky, March 2021
- *Finding the smallest gas-rich galaxies*, Small Galaxies, Cosmic Questions, Durham, UK, 1 Aug 2019
- *Apertif: Surveys, Status and Data Quality Assessment*, SPARCS 2018, Penticton, Canada, 9 May 2018
- *Highlights from Apertif Imaging Commissioning*, PHISCC 2018, Pingtang, China, 10 June 2018
- *Apertif-FAST Synergy*, Radio Astronomy Forum 2018, Pingtang, China, 13 June 2018
- *The dwarf galaxy population as revealed by ALFALFA*, Dwarf galaxies: From the deep universe to the present, IAU Symposium 344, Vienna, Austria, 23 Aug 2018
- *The edges of galaxy formation as revealed by neutral hydrogen surveys*, 72nd Netherlands Astronomy Conference, Nijmegen, The Netherlands, 22 May
- *Apertif: Commissioning highlights and synergy with FAST*, Radio Astronomy Forum 2017, Pingtang, China, 25 September
- *The kinematics of gas-rich ultra-faint dwarf galaxies*, The role of gas in galaxy dynamics, Malta, 5 October
- *Apertif Surveys and the Smallest Galaxies*, PHISCC meeting, Cape Town, February 2016
- *MeerKAT and the Smallest Galaxies*, MeerKAT science workshop, Stellenbosch, May 2016

- *Apertif Surveys and the Smallest Galaxies*, PHISCC meeting, Cape Town, February 2016
- *WSRT HI imaging of candidate gas-bearing dark matter halos in the Local Group*, American Astronomical Society meeting, January 2016
- *HI observation of gas-rich dark matter halos*, First stars, galaxies and black holes, Groningen University, June 2015
- *Searching for gas-bearing dark matter halos in the Local Group*, Netherlands Astronomy Conference, May 2015
- *Searching for gas-bearing dark matter halos in the Local Group*, PHISCC meeting, Rutgers University, 16 March 2015
- *Ultra-compact High Velocity Clouds: Candidate Local Group Galaxies?*, Netherlands Astronomy Conference, May 2014
- *Ultra-compact High Velocity Clouds in the ALFALFA Survey: Galactic or Extragalactic?*, American Astronomical Society Meeting, January 2013

Public Talks

- *Understanding the Discrepancy Between Simulations and Observations*, Kopernik Observatory Winter Star Party, January 2012

REFEREED
PUBLICATIONS

Chromatic periodic activity down to 120 MHz in a Fast Radio Burst I Pastor-Marazuela, L. Connor, J. van Leeuwen, Y. Maan, S. ter Veen, A. Bilous, L. Oostrum, E. Petroff, S. Straal, D. Vohl, J. Attema, O.M. Boersma, E. Kooistra, D. van der Schuur, A. Sclocco, R. Smits, **E.A.K. Adams**, 20 others 2021, Nature, submitted (arXiv:2012.08348)

Apertif view of the OH Megamaser IRAS 10597+5926: OH 18 cm satellite lines in wide-area HI surveys K.M. Hess, H. Roberts, H. Dénes, B. Adebahr, J. Darling, **E.A.K. Adams**, 23 others 2021, A&A accepted (arXiv:2101.05818)

The best of both worlds: Combining LOFAR and Apertif to derive resolved radio spectral index images R. Morganti, T.A. Oosterloo, M. Brienza, N. Jurlin, I. Prandoni, E. Orru', S.S. Shabala, **E.A.K. Adams**, 31 others 2021, A&A accepted (arXiv:2011.08239)

VLA Imaging of HI-bearing Ultra-diffuse Galaxies from the ALFALFA Survey **L. Gault**, L. Leisman, **E.A.K. Adams**, P.E. Mancera Piña, K. Reiter, N. Smith, M. Battipaglia, J.M. Cannon, F. Fraternali, M.P. Haynes, E. McAllan, H.J. Pagel, K.L. Rhode, J.J. Salzer, Q. Singer 2021, ApJ, 909, 19

The baryonic specific angular momentum of disc galaxies **P.E. Mancera Piña**, L. Posti, F. Fraternali, **E.A.K. Adams**, T.A. Oosterloo 2021, A&A, 647, A76

MIGHTEE-HI: The HI emission project of the MeerKAT MIGHTEE survey N. Maddox, B.S. Frank, A.A. Ponomareva, M.J. Jarvis, **E.A.K. Adams**, R. Davé, T.A. Oosterloo, M.G. Santos, S.L. Blyth, M. Glowacki, R.C. Kraan-Korteweg, W. Mulaudzi, B. Namumba, I. Prandoni, S.H.A. Rajohnson, K. Spekkens, N.J. Adams, R.A.A. Bowler, J.D. Collier, I. Heywood, S. Sekhar, A.R. Taylor 2021, A&A, 646, A35

A bright, high rotation-measure FRB that skewers the M33 halo L. Connor, J. van Leeuwen, L.C. Oostrum, E. Petroff, Y. Maan, **E.A.K. Adams**, 35 others 2020, MNRAS, 499, 4716

Extreme intra-hour variability of the radio source J1402+5347 discovered with Apertif T.A. Oosterloo, H.K. Vedantham, A.M. Kutkin, **E.A.K. Adams**, 26 others 2020, A&A, 641, L4

Robust HI kinematics of gas-rich ultra-diffuse galaxies: hints of a weak-feedback formation scenario **P.E. Mancera Piña**, F. Fraternali, K.A. Oman, **E.A.K. Adams**, C. Bacchini, A. Marasco, T. Oosterloo, G. Pezzulli, L. Posti, L. Leisman, J.M. Cannon, E.M. di Teodoro, L. Gault, M.P. Haynes,

K. Reiter, K.L. Rhode, J.J. Salzer, N.J. Smith 2020, MNRAS, 495, 3636

The HI mass function of group galaxies in the ALFALFA survey M.G. Jones, K.M. Hess, **E.A.K. Adams**, L. Verdes-Montenegro 2020, MNRAS, 494, 2090

The Leoncino Dwarf Galaxy: Exploring the Low-metallicity End of the Luminosity-Metallicity and Mass-Metallicity Relations K.B.W. McQuinn, D.A. Berg, E.D. Skillman, **E.A.K. Adams**, J.M. Cannon, A.E. Dolphin, J.J. Salzer, R. Giovanelli, M.P. Haynes, A.S. Hirschauer, S. Janowiecki, M. Klappkowski, K.L. Rhode 2020, ApJ, 891, 181

Repeating fast radio bursts with WSRT/Apertif L.C. Oostrum, Y. Maan, J. van Leeuwen, L. Connor, E. Petroff, J.J. Attema, J.E. Bast, D.W. Gardenier, J.E. Hargreaves, E. Kooistra, D. van der Schuur, A. Sclocco, R. Smits, S.M. Straal, S. ter Veen, D. Vohl, **E.A.K. Adams**, 26 others 2020, A&A 635, A61

Off the Baryonic Tully-Fisher Relation: A Population of Baryon-dominated Ultra-diffuse Galaxies **P.E. Mancera Piña**, F. Fraternali, **E.A.K. Adams**, A. Marasco, T.A. Oosterloo, K.A. Oman, L. Leisman, E.M. di Teodoro, L. Posti, M. Battipaglia, J.M. Cannon, L. Gault, M.P. Haynes, S. Janowiecki, E. McAllan, H.J. Pagel, K. Reiter, K.L. Rhode, J.J. Salzer, N.J. Smith 2019, ApJL, 883L, 33

Five Gas-rich Ultrafaint Dwarf Galaxy Candidates Discovered in WIYN Imaging of ALFALFA Sources W. Janesh, K.L. Rhode, J.J. Salzer, S. Janowiecki, **E.A.K. Adams**, M.P. Haynes, R. Giovanelli, J.M. Cannon 2019, AJ, 157, 183

The Enigmatic (Almost) Dark Galaxy Coma P: Distance Measurement and Stellar Populations from HST Imaging S.W. Brunker, K.B.W. McQuinn, J.J. Salzer, J.M. Cannon, S. Janowiecki, L. Leisman, K.L. Rhode, **E.A.K. Adams**, C. Ball, A.E. Dolphin, R. Giovanelli, M.P. Haynes 2019, AJ, 157, 76

The Arecibo Legacy Fast ALFA Survey: The ALFALFA Extragalactic H I Source Catalog M.P. Haynes, R. Giovanelli, B.R. Kent, **E.A.K. Adams**, T.J. Balonek, D.W. Craig, D. Fertig, R. Finn, C. Giovanardi, G. Hallenbeck, K.M. Hess, G.L. Hoffman, S. Huang, M.G. Jones, R.A. Koopmann, D.A. Kornreich, L. Leisman, J. Miller, C. Moorman, J. O'Connor, A. O'Donoghue, E. Papastergis, P. Troischt, D. Stark, David, L. Xiao 2018, ApJ, 861, 49

A Search for Molecular Gas in the Host Galaxy of FRB 121102 G.C. Bower, R. Rao, M. Krips, N. Maddox, C. Bassa, **E.A.K. Adams**, C.J. Law, S.P. Tendulkar, H.J. van Langevelde, Z. Paragi, B.J. Butler, S. Chatterjee 2018, AJ, 155, 227

Contribution of HI-bearing ultra-diffuse galaxies to the cosmic number density of galaxies M.G. Jones, E. Papastergis, V. Pandya, L. Leisman, A.J. Romanowsky, L.Y.A. Yung, R.S. Somerville, **E.A.K. Adams** 2018, A&A, 614, 21

Deep neutral hydrogen observations of Leo T with the Westerbork Synthesis Radio Telescope **E.A.K. Adams** and T.A. Oosterloo 2018, A&A, 612, 26

The Enigmatic (Almost) Dark Galaxy Coma P: The Atomic Interstellar Medium C. Ball, J.M. Cannon, L. Leisman, **E.A.K. Adams**, M.P. Haynes, G.I.G. Józsa, K.B.W. McQuinn, J.J. Salzer, S. Brunker, R. Giovanelli, G. Hallenbeck, W. Janesh, S. Janowiecki, M.G. Jones, K.L. Rhode 2018, AJ, 155, 65

An extreme magneto-ionic environment associated with the fast radio burst source FRB 121102 D. Michilli, A. Seymour, J.W.T. Hessels, L.G. Spitler, V. Gajjar, A.M. Archibald, G.C. Bower, S. Chatterjee, J.M. Cordes, K. Gourdji, G.H. Heald, V.M. Kaspi, C.J. Law, C. Sobey, **E.A.K. Adams**,

C.G. Bassa, S. Bogdanov, C. Brinkman, P. Demorest, F. Fernandez, G. Hellbourg, T.J.W. Lazio, R.S. Lynch, N. Maddox, B. Marcote, M.A. McLaughlin, Z. Paragi, S.M. Ransom, P. Scholz, A.P.V. Siemion, S.P. Tendulkar, P. van Rooy, R.S. Wharton, D. Whitlow 2018, *Nature*, 553, 182

FRB121102 Is Coincident with a Star-forming Region in Its Host Galaxy C.G., Bassa, S.P. Tendulkar, **E.A.K. Adams**, N. Maddox, S. Bogdanov, G.C. Bower, S. Burke-Spolaor, B.J. Butler, S. Chatterjee, J.M., Cordes, J.W.T. Hessels, V.M. Kaspi, C.J. Law, B. Marcote, Z. Paragi, S.M. Ransom, P. Scholz, L.G. Spitler, H.J. van Langevelde 2017, *ApJ*, 843, L8

Hubble Space Telescope Imaging of the Ultra-Compact High Velocity Cloud AGC 226067: A stripped remnant in the Virgo Cluster D.J. Sand, A.C. Seth, D. Crnojević, K. Spekkens, J. Strader, **E. A. K. Adams**, N. Caldwell, P. Guhathakurta, J. Kenney, S. Randall, J.D. Simon, E. Toloba, B. Willman 2017, *ApJ*, 843, 134

(Almost) Dark Galaxies in the ALFALFA Survey: Isolated HI Bearing Ultra Diffuse Galaxies L. Leisman, M. P. Haynes, S. Janowiecki, G. Hallenbeck, G. I. G. Józsa, R. Giovanelli, **E. A. K. Adams**, D. Bernal Neira, J. M. Cannon, W. F. Janesh, K. L. Rhode, and J. J. Salzer 2017, *ApJ*, 842, 133

The HI content of isolated ultra-diffuse galaxies: A sign of multiple formation mechanisms? E. Papastergis, **E. A. K. Adams**, and A. J. Romanowsky 2017, *A&A*, 601, L10

Detection of an Optical Counterpart to the ALFALFA Ultra-compact High-velocity Cloud AGC 249525 W. Janesh, K. L. Rhode, J. J. Salzer, S. Janowiecki, **E. A. K. Adams**, M. P. Haynes, R. Giovanelli, and J. M. Cannon 2017, *ApJ*, 837, 16

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