

Curriculum Vitae

October 24, 2023

Personal Details

Name: Dr. Jürgen Ott

Current Position: Scientist

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Citizenship: Germany and USA

Education

- *Ph.D. in Natural Sciences, Astrophysics* Thesis title: “*Dwarf Galaxies: The ISM–IGM Connection*”, September 2002, University of Bonn, Germany, grade: sehr gut (magna cum laude), Supervisors: Prof. U. Klein (University of Bonn, Germany) and Prof. E. Brinks (University of Hertfordshire, UK)
- *German Diplom in Physics* (equiv. M.Sc.) Title of Master Thesis: “*Steps toward the Lower Mass Range: The Dwarf Irregular Galaxies Holmberg I, Sextans A, and M 81 dwarf A*”, 1999, University of Bonn, Germany, grade: sehr gut (A), Supervisors: Prof. U. Klein (Bonn) and Prof. U. Mebold (University of Bonn, Germany)
- *German Vordiplom* (similar to BSc), Physics, Department of Physics, University of Heidelberg, Germany (December 1994)
- *Grammar school* (Abitur), majors: Physics & Mathematics, Gymnasium Ulm–Wiblingen, Germany (June 1991)

Present Occupation

- VLA Sky Survey (VLASS) technical development lead (since 2023)
- Astronomer on Duty for Science Ready Data Products (since 2019)
- Scientist at the National Radio Astronomy Observatory, Socorro, NM, USA (since Mar 2019)
- North American science representative for CARTA (“Cube Analysis and Rendering Tool for Astronomy”; since 2018)
- NRAO User Support (since Jan 2009)
- Physics faculty adjunct at the New Mexico Institute of Mining and Technology (since 2011)

Previous Occupations

- Science Ready Data Product Scientist for VLASS Imaging Heuristics and pipeline operations (2019-2023)
- CASA ("Common Astronomy Software Applications") Project Scientist (Jan 2010 - Sep 2019)
- Sub-system scientist for the VLA pipeline infrastructure (2015 - 2019)
- Associate Scientist at the National Radio Astronomy Observatory, Socorro, NM, USA (2014 – 2019)
- Co-organizer for the scientific requirements for the ngVLA (2015 – 2016)
- Organizer of the NRAO Socorro colloquium series (2010 – 2017)
- NAASC "North America ALMA Science Center" scientist (2013 – 2015)
- Assistant Scientist at the National Radio Astronomy Observatory, Socorro, NM, USA (VLA commissioning, VLA user support, ALMA user support, CASA project scientist; Jan 2009 – Mar 2014)
- NRAO Jansky Postdoctoral Fellow at the California Institute of Technology, Pasadena, CA, USA (Dec 2007 – Dec 2008)
- NRAO Jansky Postdoctoral Fellow at the National Radio Astronomy Observatory, Charlottesville, VA, USA (Dec 2006 – Nov 2007)
- Bolton Postdoctoral Fellowship at the CSIRO Australia Telescope National Facility (now operated by CSIRO Astronomy and Space Science/CASS; Oct 2002 – Oct 2006)
- Mopra Scientist at CSIRO/ATNF (CASS; Feb 2005 – Jan 2006)
- Assistant to the Coordinator of the graduate school "*The Magellanic Clouds and Other Dwarf Galaxies*", (1998 – 1999)
- Civil Service at the German Red Cross in Ulm, Germany (1991–1992)

Fields of Astrophysical Interest

- Multi-wavelength analyses of galactic structure and associated star formation processes in dwarf, massive starburst, and active galaxies (radio, mm, NIR, optical, X-ray)
- Molecular cloud formation, stability, chemistry and physics in extreme environments
- Evolution and dynamics of galaxies
- The Galactic Center
- Technical aspects of interferometry at radio and millimeter wavelengths

Honors/Awards

- NRAO promotion to Scientist, 2019
- NRAO Service Award, 2017
- NRAO promotion to Associate Scientist, 2014
- Jansky Fellowship, National Radio Astronomy Observatory, 2006

- Member of the International Astronomical Union, since 2005
- CSIRO Merit Promotion, 2005
- Bolton Fellowship, CSIRO Australia Telescope National Facility, 2002–2006
- PhD fellowship in the framework of the graduate school *“The Magellanic Clouds and Other Dwarf Galaxies”* by the German Science Foundation (Deutsche Forschungsgemeinschaft), 1999–2002

Observing/Data Reduction Experience

- *Radio Interferometers*: Jansky VLA, ALMA, VLA, ATCA, CARMA, OVRO
- *Single Dish Radio Telescopes*: GBT, Effelsberg, IRAM 30m, HHT, KOSMA, Mopra, Parkes
- *Optical/NIR Telescopes*: Calar Alto, San Pedro Mártir, Hoher List
- *X-ray Observatories*: Chandra, ROSAT

Observatory Projects

- North America CARTA science requirements representative (2018-present)
- Part of the team to map scientific to technical requirements for the ngVLA 2015-2016
- Organizer, member, and co-author of the ngVLA Science Working Groups, including white paper submissions
- VLA pipeline operations subsystem scientist 2015 - present
- ALMA/NAASC data reduction team member 2013 - 2015
- Co-author on VLA Pie Town link study “Reinstating the EVLA+Pt Link; I. A Digital Signal from Pt to the WIDAR Correlator” (PI: M. Claussen)
- Coordinator and leading author for VLA E-configuration study: “The VLA E-configuration: a vehicle to discovery” (2012)
- CASA Project Scientist, January 2010 - September 2019
- Part of the team to commission the EVLA, leading the spectral line and mosaicking groups, 2009-2013
- Coordinator and author of the NRAO VLA New World New Horizonz submission “Pushing the Limits of the EVLA: An Enhancement Program for the Next Decade” (2009/2010)
- Part of the team to commission CARMA, 2007-2008
- Science Case for a 3 mm focal plane heterodyne array at the Robert C. Byrd Green Bank Telescope, April 2007
- Project Scientist Single Dish On-the-Fly mapping and On-the-Fly Interferometry with the ATCA, 2006
- Part of the team to commission the 3 mm MMIC receiver at Mopra, the Mopra Spectrometer (MOPS), and the Linux-based Mopra observing software, 2005
- Project Scientist for new 16 MHz filters at the ATCA, 2005

Facility Support

- NRAO Socorro colloquium organizer, 2010-2017
- NRAO helpdesk user support, 2010-present
- CARMA pool observer 2007-2008
- ATCA Duty Astronomer Roster organization 2002-2006
- ATNF Mopra Scientist 2005-2006
- Regular Duty Astronomer support for the ATCA 2002-2008
- ATCA on-call support

Computing Experience

- CASA Project Scientist (2010–2019)
- North America science representative for CARTA (2018–present)
- *Operating systems/Programming/Applications*: Linux, Mac OS X, Solaris, Windows, Perl, Python, Shell Scripting, Latex, MS Office (PowerPoint, Word, Excel), Open Office, Gnuplot, Gimp, Photoshop, Super Mongo
- *Astronomical software packages*: CASA, CARTA, Miriad, Ciao, Aips, Iraf, Gipsy, Gildas, Karma, ASAP, Livedata, Gridzilla, GBTIDL, astropy

Supervising/Teaching Experience

Current Graduate/Master Students:

- Co-advisor of graduate student Mark McCoy on “*Molecular Gas in Centaurus A*” (New Mexico Institute of Technology, Socorro, NM, USA, commenced 2012; main supervisor: D. Meier)
- Committee member for Tierra Candelaria on “Temperature Distribution of Galactic Center Molecular Gas with SWAG” (commenced 2018 New Mexico Tech; supervisor D. Meier)
- Committee member for Dylan Ward on “Methanol and Water Masers in the Galactic Center” (commenced 2020 New Mexico Tech; supervisor D. Meier)

Previous Graduate/Master Students:

- Scientific supervisor of graduate student Lorraine Bowman on the “*Fractality of the ISM of Nearby Galaxies*” (New Mexico Institute of Technology, Socorro, NM, USA, 2013-2018)
- Co-advisor of graduate student and Grote Reber Fellow Natalie Butterfield on “*Kinematics of Massive Star Formation in the Galactic Center CMZ*” (University of Iowa, graduated 2018, main supervisor: C. Lang). Natalie is now a Postdoc at the Green Bank Observatory
- Co-advisor of master student Nico Krieger on “*Triggered star formation in the Galactic Center*” (Max Planck Institut für Astronomie, Heidelberg, Germany, 2016; main supervisor: F. Walter). Nico is now in a PhD program at the MPIA in Heidelberg.
- Co-advisor of graduate student and Grote Reber Fellow Mark Gorski on “*SWAN: Survey of Water and Ammonia in Nearby Galaxies*” (University of New Mexico, USA, graduation 2017; main supervisor: R. Rand). Mark is now at the University of Western Ontario.

- Co-advisor of graduate student and Grote Reber Fellow Matthew Rickert on *“Water Masers in the Central Molecular Zone”* (Northwestern University, graduation 2017; main supervisor: F. Yusef-Zadeh). Matthew is now working for industry.
- Co-advisor of graduate student Crystal Anderson on *“PDR Tracers in Galactic and Extragalactic Environments”* (New Mexico Institute of Technology, Socorro, NM, USA, finished 2016; main supervisor: D. Meier). Crystal is now working for a defense department contractor.
- Co-advisor of graduate student Steven Warren on *“VLA–ANGST survey: Gas Properties and Stellar Feedback”* (University of Minnesota, Minneapolis, MN, USA, finished 2014; main supervisor: E. Skillman). Steve worked as a postdoc at the University of Maryland and has now left to industry.
- Co-advisor of graduate student Adrienne Stilp on *“VLA–ANGST survey: Modelling of Star Formation Triggering Mechanisms”* (University of Washington, Seattle, WA, USA, finished 2014; main supervisor: J. Dalcanton). Adrienne now works for the Biology Genetics department at U Washington.
- Co-advisor of Annie Hughes’s PhD thesis *“Molecular Gas in the Interstellar Medium of the Large Magellanic Cloud”* (Centre of Astrophysics and Supercomputing, Swinburne University of Technology, Melbourne, Australia, finished 2011). Annie is now permanent staff at IRAP in Toulouse, France.
- Co-advisor of Antoine Bouchard’s PhD thesis *“The Evolution of Dwarf Galaxies in Nearby Groups”* (Research School for Astronomy and Astrophysics, Australian National University, Canberra, Australia, finished in 2006). Antoine is now at the McGill University in Canada.

Interns/REU Students:

- Co-Supervision of NRAO REU summer student Andy Nilipour on *“Feeding the Central Molecular Zone”* (Summer 2023)
- Co-Supervision of NRAO REU summer student Vincenzo D’Onofrio on *“Characterizing Molecular Gas Towards Sagittarius B2: The Galactic Center’s Complex Giant Molecular Cloud”* (Summer 2021)
- Co-Supervision of NRAO REU summer student Ruby Fulford on *“Statistical Multi-Component Fitting in the Orion Molecular Cloud”* (Summer 2021)
- Co-Supervision of NRAO REU summer student Serena Cronin on *“What Surrounds the Supermassive Black Hole Sgr A*?”* (Summers 2020 and 2021)
- Co-Supervision of NRAO REU summer student Savannah Gramze on *“Colliding Clouds in the Milky Way’s Central Bar”* (Summer 2021 and 2021)
- Co-Supervision of NRAO REU summer student Kadin Worthen on *“Investigating the Possibility of High Mass Star Formation in Infrared Dark Clouds Using Carbon Chain Chemistry”* (Summer 2020)
- Co-Supervision of NRAO REU summer student Savannah Gramze on *“Point-symmetric Clouds in the Galactic Center”* (Summer 2019)
- Co-advisor for Cornelia Jaeschke on *“Temperatures and Kinematics in the Galactic Center derived from Ammonia Hyperfine Structure Fitting”* (BS thesis MPIA 2018; main advisors: Nico Krieger, Henrik Beuther, Ralf Klessen)
- Co-advisor / Co-Supervision of Brian Eisner on *“Surveying Radio Line Spectra of Nearby Galaxies”* Brian did an Honors thesis at MacAlester College in 2018 and a second NRAO internship in 2018

- Co-advisor for Tierra Candelaria on “Temperature Distribution of Galactic Center Molecular Gas with SWAG” (summer 2018) Tierra is continuing with a PhD at New Mexico Tech (supervisor D. Meier)
- Co-Supervision of NRAO REU summer student Brian Eisner on “*Surveying Radio Line Spectra of Nearby Galaxies*” (Summer 2017)
- Supervision of NRAO summer student Mayuri Rao on “*Detection of the 3p-3s Transition in Hydrogen*” (Summer 2015)
- Supervision of summer student Michael Rugel on “*The HI OH RRL Galactic Plane Survey: OH emission and absorption*” (Summer 2015)
- Supervision of NRAO REU summer student Rebecca Levy on “*The Distribution of Dense Molecular Gas in the Large Magellanic Cloud*” (Summer 2014)
- Supervision of NRAO REU summer student Alexander Teachey on “*Ammonia Masers: What are they?*” (Summer 2014)
- Supervision of NRAO intern Mark Gorski on “*High density and Temperature tracers in the starburst Galaxy NGC 253*” (Summer 2014). Mark is now a Grote Reber Predoctoral Fellow.
- Supervision of NRAO summer student Matthew Rickert on “*The Energetic Sources that Emit Water Maser Emission in the Galactic Center*” (Summer 2014). Matthew is a PhD student at Northwestern University and a Grote Reber Fellow.
- Supervision of NRAO REU summer student Lorraine Bowman on “*Fractality of ISM phases in nearby galaxies*” (Summer 2013). Lorraine is now a PhD student at the New Mexico Institute of Mining and Technology.
- Supervision of NRAO REU summer student Leah Morabito on “*Ammonia in the starburst galaxy NGC6146*” (Summer 2012). Leah is now at the University of Oxford.
- Supervision of NRAO REU summer student Zachary Edwards on “*Determination of The H₂-CO conversion factor in M82 via X-ray absorption*” (Summer 2012). Zach is now at the Ohio State University.
- Supervision of NRAO REU summer student Kamber Schwartz on “*Water Masers in Star Forming Regions in the Large Magellanic Cloud*” (Summer 2011). Kamber is now at the University of Michigan.
- Supervision of NRAO REU summer student Lorraine Bowman on “*The HI halo of NGC 253*” (Summer 2011). Lorraine is now a PhD student at the New Mexico Institute of Mining and Technology.
- Supervision of NRAO REU summer student Sarah Wyss on “*The CO Isotope Ratio of the Large Magellanic Cloud*” (Summer 2010). Sarah is now at the University of Ohio/USA.
- Supervision of ATNF Vacation student Joris Verbiest on “*Sweeping Away a Dwarf: Gas Removal in UGCA 438*” (Summer 2004/05). Joris is now tenuring at the University of Bielefeld, Germany.
- Supervision of ATNF Vacation student Cliff Senkbeil on “*X-ray Shadowing within the Massive Starburst Galaxy NGC 253*” (Summer 2003/04) Cliff is has left for industry.

Selected Graduate School Lectures:

- Invitation to lecture at ASIAA Radio Synthesis School 2016
- CASA/NRAO tutorials at IRAP, Toulouse, France, 2015

- Organizer and Lecturer for a NRAO/CASA/ALMA/VLA workshop at the University of Florida, Gainesville, FL, USA, 2015
- Lecturer at ALMA Community day in Morelia, Mexico, 2015
- Organizer and Lecturer for a CASA workshop in Heidelberg, Germany, 2014
- Lecture and leader for various tutorials at an EVLA workshop at ASIAA in Taipei, Taiwan, 2012
- Lecture and leader for various tutorials at VLA workshops at NRAO in Socorro, NM , USA, 2011, 2012, 2013, 2014, 2016, 2018
- Lecture and tutorial help at ALMA community days at NRAO in Charlottesville, VA, USA, 2013
- Lecture and leader for various tutorials at NAIC/NRAO School on Single Dish Radio Astronomy 2011
- Lecture and leader for various tutorials at NRAO Synthesis School 2010, 2012, 2014, 2016, 2018
- Lecture at Harley Wood Winter School 2005
- Lectures at the ATNF Synthesis School 2003 & 2006

Selected Colloquia

Colloquia given at:

- SOFIA Science Center (USRA/NASA Aimes, Mountain View, CA; remote colloquium)
- Instituto de Astronomía, Universidad Nacional Autónoma de México (Mexico City, Mexico)
- Australia Telescope National Facility (Sydney & Narrabri, Australia; multiple)
- Australian National University (Canberra, Australia)
- Cardiff University (Cardiff, UK)
- Max–Planck–Institut für Astronomie (Heidelberg, Germany)
- Max–Planck–Institut für Radioastronomie (Bonn, Germany)
- National Radio Astronomy Observatory (Charlottesville, VA, Green Bank, WV, & Socorro, NM, USA)
- Purple Mountain Observatory (Nanjing, PR China)
- Swinburne University of Technology (Melbourne, Australia)
- University of Bonn (Germany)
- University of California, Berkeley (Berkeley CA, USA)
- California Institute of Technology (Pasadena, CA, USA)
- University of Florida (Gainesville, FL, USA)
- University of Guanajuato (Guanajuato, Mexico)
- University of Melbourne (Melbourne, Australia)
- University of Minnesota (Minneapolis, MN, USA)

- University of New South Wales (Sydney, Australia)
- Ruhr-Universität Bochum (Bochum, Germany)
- New Mexico Institute for Mining and Technology (Socorro, NM, USA)
- University of New Mexico (Albuquerque, NM, USA)
- Academia Sinica for Astronomy and Astrophysics (Taipei, Taiwan)
- University of Nagoya (Nagoya Japan, 2012)
- National Astronomy Institute of Japan (Tokyo, Japan)
- University of Wisconsin (Madison, USA)

Meetings Organized

- SOC member of “Galactic Center Workshop 2019: New Horizons in Galactic Center Astronomy and Beyond”, Yokohama, Japan, 2019
- Co-organizer of the “Next Generation Very Large Array” workshop at the 227th AAS winter meeting 2016, Kissimmee, FL, USA
- SOC chair of the “Next Generation Very Large Array” workshop at the 225th AAS winter meeting 2015, Seattle, WA, USA
- SOC member of the workshop “Filaments 2014: Filamentary Structure in Molecular Clouds”, NRAO Charlottesville, VA, Oct 2014
- Co-Organizer (LOC and SOC) of the IAU Symposium 303, “The Galactic Center: Feeding and Feedback in a Normal Galactic Nucleus”, Santa Fe, USA, September/October 2013, co-editor of the proceedings
- SOC of the IAU Symposium 292 “Molecular Gas, Dust, and Star Formation in Galaxies”, IAU General Assembly, Beijing, China, 2012; co-editor of the proceedings
- SOC member of the conference “Galaxies in the Local Volume” Sydney, Australia, July 2007
- LOC member of the conference “Future Directions for Millimetre Astronomy in the Southern Hemisphere” Sydney, Australia, March 2006
- Mopra Induction Weekend, Coonabarabran, Australia, May 2005
- AAO/ATNF Joint Symposium, Sydney, Australia, 2004
- 2 ATNF Astrofests, Sydney, Australia 2003/2004
- several Graduate School meetings and Graduate School Journal Club, Bonn, Germany

Refereeing

- Journal referee for ApJ, ApJ Letters, AJ, MNRAS, PASJ, ASCOM, A&A, New Astronomy Reviews
- Grant referee for Chilean CONICYT
- PhD thesis referee for Australian National University, Canberra, Australia, Curtin University, Perth, Australia and the Indian Institute of Science, Bengaluru, India.

Committee Memberships

- JWST Cycle 2, 3 panelist (Stellar Pops and ISM) 2023
- NRAO SRP panel member 2023
- GMRT proposal reviewer 2022, 2023
- NSF Grant Proposal Panel, 2018
- MERLIN proposal reader, 2017
- Fermi Cycle 9 Time Allocation Panel Member, 2016
- East Asian Observatory/JCMT Large Proposal Referee, 2015
- CARMA Large Proposal Referee, 2012
- ATNF Time Allocation Committee Reader, 2008-2012
- NRAO Decadal Survey working group, 2008-2009
- CARMA Time Assignment Committee, 2008
- Australian National University MSSSO RSAA Time Assignment Committee for the Mt Stromlo and Siding Spring Telescopes, 2004-2006
- Australia Telescope Users Committee (ATUC) member, 2004-2006

Professional Memberships

- International Astronomical Union (IAU/UA1)
- American Astronomical Society (AAS)
- European Astronomical Society (EAS)
- German Astronomical Society (Astronomische Gesellschaft/AG)
- German Physical Society (Deutsche Physikalische Gesellschaft/DPG)

Visiting Scientist at

- IRAP Toulouse (Nov-Dec 2015, 4 weeks) – Collaboration with Dr. Annie Hughes
- Max Planck Institut für Astronomie, Heidelberg, Germany (several weeks between 2006 until present) – Collaboration with Drs. F. Walter, E. Schinnerer, & H. Beuther
- European Southern Observatory (Nov-Dec 2011, 4 weeks) – Collaboration with Drs. M. Zwaan, D. Petry, S. Longmore, & L. Testi
- Four visits (about eight weeks in total) to Caltech, CA (2000–2001) – Collaboration with Drs. F. Walter, C. Martin, & S. D. Van Dyk
- Three weeks at the University of Guanajuato, Mexico (2000) – Collaboration with Dr. E. Brinks

Languages

- German (native)
- English (fluent)
- French (basics)

Books

1. Sjouwerman, L., Lang, C., & **Ott, J.** (editors)
"The Galactic Center: Feeding and Feedback in a Normal Galactic Nucleus"
2014, Proceedings of the International Astronomical Union, Symposium 303, Cambridge University Press (in preparation)
2. Wong, T., **Ott, J.** (editors)
"Molecular Gas, Dust, and Star Formation in Galaxies"
2013, Proceedings of the International Astronomical Union, Symposium 292, Cambridge University Press

Refereed Publications

October 2023: ORCID total number of citations: 7550; ORCID h-index: 47; 166 total; 12 first author
ORCID id: <https://orcid.org/0000-0001-8224-1956>

166. Yang, A. Y.; Dzib, S. A.; Urquhart, J. S.; Brunthaler, A.; Medina, S. -N. X.; Menten, K. M.; Wyrowski, F.; Ortiz-León, G. N.; Cotton, W. D.; Gong, Y.; Dokara, R.; Rugel, M. R.; Beuther, H.; Pandian, J. D.; Csengeri, T.; Veena, V. S.; Roy, N.; Nguyen, H.; Winkel, B.; **Ott, J.**; Carrasco-Gonzalez, C.; Khan, S.; Cheema, A.
"A global view on star formation: The GLOSTAR Galactic plane survey. IX. Radio Source Catalog III: $2 < l < 28$, $36 < l < 40$, $56 < l < 60$ and $|b| < 1$, VLA B-configuration"
2023, A&A accepted, (arXiv231009777)
165. Gramze, S. R.; Ginsburg, A.; Meier, D. S.; **Ott, J.**; Shirley, Y.; Sormani, M. C.; Svoboda, B. E.
"Evidence of a Cloud-Cloud Collision from Overshooting Gas in the Galactic Center"
2023, ApJ, accepted (arXiv230916403)
164. Eibensteiner, C.; Bigiel, F.; Leroy, A. K.; Koch, E. W.; Rosolowsky, E.; Schinnerer, E.; Sardone, A.; Meidt, S.; de Blok, W. J. G.; Thilker, D.; Pisano, D. J.; **Ott, J.**; Barnes, A.; Querejeta, M.; Emsellem, E.; Puschig, J.; Utomo, D.; Bešlić, I.; den Brok, J.; Faridani, S.; Glover, S. C. O.; Grasha, K.; Hassani, H.; Henshaw, J. D.; Jiménez-Donaire, M. J.; Kerp, J.; Dale, D. A.; Kruijssen, J. M. D.; Laudage, S.; Sanchez-Blazquez, P.; Smith, R.; Stuber, S.; Pessa, I.; Watkins, E. J.; Williams, T. G.; Winkel, B.
"Kinematic analysis of the super-extended H I disk of the nearby spiral galaxy M 83"
2023, A&A, 675, 37
163. Callanan, D.; Longmore, S. N.; Battersby, C.; Hatchfield, H. P.; Walker, D. L.; Henshaw, J.; Keto, E.; Barnes, A.; Ginsburg, A.; Kauffmann, J.; Kruijssen, J. M. D.; Lu, X.; Mills, E. A. C.; Pillai, T.; Zhang, Q.; Bally, J.; Butterfield, N.; Contreras, Y. A.; Ho, L. C.; Immer, K.; Johnston, K. G.; **Ott, J.**; Patel, N.; Tolls, V.
"CMZoom III: Spectral line data release" 2023, MNRAS, 520, 4760
162. Candelaria, T. M.; Mills, E. A. C.; Meier, D. S.; **Ott, J.**; Butterfield, N.
"Widespread Hot Ammonia in the Central Kiloparsec of the Milky Way"
2023, ApJ, submitted, (arXiv230311222)
161. Dokara, R.; Gong, Y.; Reich, W.; Rugel, M. R.; Brunthaler, A.; Menten, K. M.; Cotton, W. D.; Dzib, S. A.; Khan, S.; Medina, S. -N. X.; Nguyen, H.; Ortiz-León, G. N.; Urquhart, J. S.; Wyrowski, F.; Yang, A. Y.; Anderson, L. D.; Beuther, H.; Csengeri, T.; Müller, P.; **Ott, J.**; Pandian, J. D.; Roy, N.
"A global view on star formation: The GLOSTAR Galactic plane survey. VII. Supernova remnants in the Galactic longitude range $28^\circ < l < 36^\circ$ " 2023, A&A, 671, 145
160. Dzib, S. A.; Yang, A. Y.; Urquhart, J. S.; Medina, S. -N. X.; Brunthaler, A.; Menten, K. M.; Wyrowski, F.; Cotton, W. D.; Dokara, R.; Ortiz-León, G. N.; Rugel, M. R.; Nguyen, H.; Gong, Y.; Chakraborty, A.; Beuther, H.; Billington, S. J.; Carrasco-Gonzalez, C.; Csengeri, T.; Hofner, P.; **Ott, J.**; Pandian, J. D.; Roy, N.; Yanza, V.
"A global view on star formation: The GLOSTAR Galactic plane survey. VI. Radio Source Catalog II: $28^\circ < l < 36^\circ$ and $|b| < 1^\circ$, VLA B-configuration"
2023, A&A, 670, 9

159. Rosado-Belza, D.; Lisenfeld, U.; Hibbard, J.; Knierman, K.; **Ott, J.**; Verley, S.; Boquien, M.; Jarrett, T.; Xu, C. K.
"Star formation and gas in the minor merger UGC 10214 (Corrigendum)"
 2023, A&A, 669, 3
158. Basu, A.; Roy, N.; Beuther, H.; Syed, J.; **Ott, J.**; Soler, J. D.; Stil, J.; Rugel, M. R.
"Properties of atomic hydrogen gas in the Galactic plane from THOR 21-cm absorption spectra: a comparison with the high latitude gas"
 2022, MNRAS, 517, 5063
157. CASA Team; Bean, B.; Bhatnagar, S.; Castro, S.; Donovan Meyer, J.; Emonts, B.; Garcia, E.; Garwood, R.; Golap, K.; Gonzalez Villalba, J.; Harris, P.; Hayashi, Y.; Hoskins, J.; Hsieh, M.; Jagannathan, P.; Kawasaki, W.; Keimpema, A.; Kettenis, M.; Lopez, J.; Marvil, J.; Masters, J.; McNichols, A.; Mehringer, D.; Miel, R.; Moellenbrock, G.; Montesino, F.; Nakazato, T.; **Ott, J.**; Petry, D.; Pokorny, M.; Raba, R.; Rau, U.; Schiebel, D.; Schweighart, N.; Sekhar, S.; Shimada, K.; Small, D.; Steeb, J.-W.; Sugimoto, K.; Suoranta, V.; Tsutsumi, T.; van Bemmel, I. M.; Verkouter, M.; Wells, A.; Xiong, W.; Szomoru, A.; Griffith, M.; Glendenning, B.; Kern, J.
"CASA, the Common Astronomy Software Applications for Radio Astronomy"
 2022, PASP, 34, 4501
156. Shanahan, R.; Stil, J. M.; Anderson, L.; Beuther, H.; Goldsmith, P.; **Ott, J.**; Rugel, M.; Soler, J.; Syed, J.
"Polarized Emission from Four Supernova Remnants in the THOR Survey"
 2022, ApJ, 939, 92
155. Yan, Y. T.; Henkel, C.; Menten, K. M.; Gong, Y.; Nguyen, H.; **Ott, J.**; Ginsburg, A.; Wilson, T. L.; Brunthaler, A.; Belloche, A.; Zhang, J. S.; Budaiev, N.; Jeff, D.
"Discovery of non-metastable ammonia masers in Sagittarius B2" 2022, A&A, 666, 15
154. Butterfield, N. O.; Lang, C. C.; Ginsburg, A.; Morris, M. R.; **Ott, J.**; Ludovici, D. A.
"Evidence for an Interaction between the Galactic Center Clouds M0.10-0.08 and M0.11-0.11 "
 2022, ApJ, 936, 186
153. Finn, M. K.; Indebetouw, R.; Johnson, K. E.; Costa, A. H.; Chen, C. -H. R.s; Kawamura, A.; Onishi, T.; **Ott, J.**; Sewilo, M.; Tokuda, K.; Wong, T.; Zahorecz, S.
"Structural and Dynamical Analysis of the Quiescent Molecular Ridge in the Large Magellanic Cloud"
 2022, AJ, 164, 64
152. Yan, Y. T.; Henkel, C.; Menten, K. M.; Gong, Y.; **Ott, J.**; Wilson, T. L.; Wootten, A.; Brunthaler, A.; Zhang, J. S.; Chen, J. L.; Yang, K.
"Discovery of ammonia (9,6) masers in two high-mass star-forming regions"
 2022, A&A, but 659, 5
151. Henshaw, J. D.; Krumholz, M. R.; Butterfield, N. O.; Mackey, J.; Ginsburg, A.; Haworth, T. J.; Nogueras-Lara, F.; Barnes, A. T.; Longmore, S. N.; Bally, J.; Kruijssen, J. M. D.; Mills, E. A. C.; Beuther, H.; Walker, D. L.; Battersby, C.; Bulatek, A.; Henning, T.; **Ott, J.**; Soler, J. D.
"A wind-blown bubble in the Central Molecular Zone cloud G0.253+0.016"
 2022, MNRAS, 509, 4758
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 2022, AAS summer meeting, Pasadena, CA, USA
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209. Ott, J. A.; Carta Team
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190. McCoy, M.; **Ott, J.**; Meier, D. S.; Muller, S.; Espada, D.; Martin, S.; Israel, F. P.; Henkel, C.; Impellizzeri, V.; Aalto, S.; Edwards, P. G.; Brunthaler, A.; Neumayer, N.; Peck, A. B.; van der Werf, P.; Feain, I. *"VizieR Online Data Catalog: Molecular transitions toward NGC5128 with ALMA (McCoy+, 2017)"*
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"SCOUSE: Semi-automated multi-COMponent Universal Spectral-line fitting Engine"
 2016 Astrophysics Source Code Library, record ascl:1601.003
161. Candelaria, T., Mills, E., Meier, D. S., **Ott, J.**, Mangum, J. G., Menten, K., Schilke, P., Henkel, C., & Black, J.
Widespread Hot Ammonia in the Central Kiloparsec of the Milky Way
 2016, American Astronomical Society, AAS Meeting #227, id.341.06, poster presentation
160. Rickert, M., Yusef-Zadeh, F., **Ott, J.**, Meier, D. S., & the SWAG team
Studying Star Formation in the Central Molecular Zone using 22 GHz Water and 6.7 GHz Methanol Masers
 2016, American Astronomical Society, AAS Meeting #227, id.341.02, poster presentation
159. Barcos-Muñoz, L., Leroy, A. K., Evans, A. S., Armus, L., Condon, J. J., Mazzarella, J. M., Meier, D. S., Momjian, E., Murphy, E. J., **Ott, J.**, Privon, G. C., Reichardt, A., Sakamoto, K., Sanders, D. B., Schinnerer, E., Stierwalt, S., Surace, J. A., Thompson, T. A., & Walter, F.
A High Resolution, Unobscured View of the Active Regions in (Ultra) Luminous Infrared Galaxies from a VLA 33 GHz Survey
 2016, American Astronomical Society, AAS Meeting #227, id.323.05
158. Barcos-Munoz, L., Leroy, A. K., Evans, A. S., Privon, G. C., Armus, L., Condon, J., Mazzarella, J. M., Meier, D. S., Momjian, E., Murphy, E. J., **Ott, J.**, Reichardt, A., Sakamoto, K., Sanders, D. B., Schinnerer, E., Stierwalt, S., Surace, J. A., Thompson, T. A., Walter, F.
"VizieR Online Data Catalog: Arp 220 6 and 33GHz images" 2015, VizieR On-line Data Catalog: J/ApJ/799/10
157. Gorski, M., **Ott, J.**, Meier, D., Momjian, E., Walter, F., & Rand, R.
"SWAN: NGC 253's Nucleated Star Bursting Environment"
 2015, IAU General Assembly, Meeting #29, #2257484, Honolulu, HI, USA, poster presentation
156. **Ott, J.**, Meier, D., Mills, E. & the SWAG team
"SWAG: Survey of Water and Ammonia in the Galactic Center"
 2015, IAU General Assembly, Meeting #29, #2257227, Honolulu, HI, USA, poster presentation
155. **Ott, J.**, McCoy, M., & Meier, D.
"Shocks, Radiation, Masers and Warps: The Circumnuclear Gas around the AGN in Centaurus A"
 2015, IAU General Assembly, Meeting #29, #2257201, Honolulu, HI, USA, oral presentation
154. Bihr, S., Beuther, H., Johnston, K., Henning, T., **Ott, J.**, Brunthaler, A., & THOR collaboration
"THOR - The HI, OH, Recombination Line Survey of the Milky Way - HI observations of the giant molecular cloud W43"
 2015, IAU General Assembly, Meeting #29, #2252656, Honolulu, HI, USA, poster presentation
153. Bihr, S., Beuther, H., **Ott, J.**, Johnston, K. G., Brunthaler, A., Anderson, L. D., Bigiel, F., Carlhoff, P., Churchwell, E., Glover, S. C. O., Goldsmith, P. F., Heitsch, F., Henning, T., Heyer, M. H., Hill, T., Hughes, A., Klessen, R. S., Linz, H., Longmore, S. N., McClure-Griffiths, N. M., Menten, K. M., Motte, F., Nguyen-Lu'O'Ng, Q., Plume, R., Ragan, S. E.,

- Roy, N., Schilke, P., Schneider, N., Smith, R. J., Stil, J. M., Urquhart, J. S., Walsh, A. J., Walter, F.
"VizieR Online Data Catalog: THOR. The HI, OH, Recombination Line Survey"
 2015, VizieR online catalogue, SIMBAD, CDS Strasbourg, France
152. McNichols, A., Teich, Y., Cannon, J. M., Adams, E. A., Dolphin, A. E., Elson, E. C., Giovanelli, R., Haynes, M. P., McQuinn, K. B., **Ott, J.**, Saintonge, A., Salzer, J. J., & Skillman, E. D.
"The SHIELD Multi-Wavelength Archive"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 248.20
151. Dong, D., Murphy, E. J., Momjian, E., Nyland, K., Condon, J. J., Helou, G., Meier, D. S., **Ott, J.**, Schinnerer, E., & Turner, J.
"The Star Formation in Radio Survey: Mapping Star Formation in Nearby Galaxies with 33GHz Emission"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 256.08
150. Anderson, C. N., Meier, D. S., **Ott, J.**, Hughes, A., & Wong, T. H.
"From Gas to Stars in Energetic Environments: Chemistry of Clumps in Giant Molecular Clouds Within the Large Magellanic Cloud"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 141.31
149. Zschaechner, L. K., Walter, F., **Ott, J.**, Momjian, E., & Meier, D. S.
"Zooming in on Extreme Environments: Using JVLA Observations and Kinematic Models of Arp 220 to Study Physical Conditions in ULIRGs"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 143.24
148. Mills, E. A., Sun, B., Liu, H. B., Morris, M., Butterfield, N., Lang, C. C., & **Ott, J.**
"New Temperature Constraints for the Circumnuclear Disk"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 142.04
147. Teachey, A., Mills, E. A., Meier, D. S., **Ott, J.**, Butterfield, N., Lang, C. C., & Morris, M.
"The Discovery of New Ammonia Masers in the Galactic Center"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 142.01
146. Levy, R. C., **Ott, J.**, Meier, D. S. & Hughes, A.
"Tracing the Dense Molecular Gas in the Large Magellanic Cloud"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 141.27
145. Gorski, M., **Ott, J.**, Rand, R. J., Meier, D. S., Momjian, E., & Walter, F.
"Survey of Water and Ammonia in Nearby galaxies (SWAN): Physical Conditions in NGC 253"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 251.02
144. Rickert, M., **Ott, J.**, Yusef-Zadeh, F., & Meier, D.
"Targeted VLA Observations of 22 GHz Water Masers Towards the Galactic Center"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 142.03
143. **Ott, J.**
"Filamentary Dense Gas Clump Structures in the Galactic Center"
 2015, AAS meeting, Seattle, WA, USA, poster presentation, 141.18
142. Teich, Y. G., McNichols, A. T., **Ott, J.**, Cannon, J. M., & the SHIELD Team
"Imaging of HI in Extremely Low-Mass Dwarf Galaxies: Lessons from SHIELD"
 2014, New Mexico Symposium, Socorro, NM, USA, poster presentation

141. Meier, D. S., Walter, F., Bolatto, A. D., Leroy, A. K., **Ott, J.**, Rosolowsky, E., Veilleux, S., Warren, S. R., Weiss, A., Zwaan, M. A., & Zschaechner, L. K.
"ALMA Resolves Gas Chemistry in the Prototypical Nuclear Starburst, NGC 253"
 2014, New Mexico Symposium, Socorro, NM, USA, poster presentation
140. Krieger, N., Walter, F., & **Ott, J.**
"HI in NGC 253: Outflows and absorption properties"
 2014, New Mexico Symposium, Socorro, NM, USA, poster presentation
139. **Ott, J.**
"Filamentary Dense Gas Clump Structures in the Galactic Center"
 2014, New Mexico Symposium, Socorro, NM, USA, poster presentation
138. Anderson, C., Meier, D., **Ott, J.**, Hughes, A., Wong, T., Looney, L., Henkel, C., Chen, R., Indebetouw, R., Muller, E., Pineda, J., & Seale, J.
"Extragalactic Filamentary Structure in 30 Doradus"
 2014, "Filaments 2014: Filamentary Structure in Molecular Clouds", Charlottesville, VA, USA, poster presentation
137. **Ott, J.**
"Filamentary Dense Gas Clump Structures in the Galactic Center"
 2014, "Filaments 2014: Filamentary Structure in Molecular Clouds", Charlottesville, VA, USA, poster presentation
136. **Ott, J.**
"Visualization and the CASA Viewer"
 2014, "3D2014: Gas and stars in galaxies: A multi-wavelength 3D perspective", Garching, Germany, oral presentation
135. Bowman, L., **Ott, J.**, Westpfahl, D.
"Power law structure of the interstellar medium: Fractal dimension of the HI, CO and mid-IR in nearby galaxies" 2014, American Astronomical Society, AAS Meeting #223, #454.32, poster presentation
134. Mao, S. A., **Ott, J.**, & Zweibel, E. G.
"Wide-band Jansky Very Large Array polarization observations of M51"
 2014, American Astronomical Society, AAS Meeting #223, #453.08, poster presentation
133. Hagen, C., Cannon, J. M., Cave, I., McQuinn, K. B., Dolphin, A. E., Skillman, E. D., Adams, E. A., Elson, E. C., Giovanelli, R., Haynes, M. P., **Ott, J.**, Saintonge, A., & Salzer, J. J.
"Structural Parameters of the SHIELD Galaxies From Hubble Space Telescope Images"
 2014, American Astronomical Society, AAS Meeting #223, #355.16, poster presentation
132. Warren, S. R., Bolatto, A. D., Leroy, A. K., Walter, F., Veilleux, S., Ostriker, E. C., & **Ott, J.**, Zwaan, M., Fisher, D. B., Weiss, A., Rosolowsky, E., & Hodge, J.
"Suppression of star formation in the galaxy NGC 253 by a starburst-driven molecular wind"
 2014, American Astronomical Society, AAS Meeting #223, #309.08, oral presentation
131. Mills, E. A., Güsten, R., Requena Torres, M. A., Lang, C. C., Morris, M., Butterfield, N., Ludovici, D., Schmitz, S., & **Ott, J.**
"Extreme Gas Properties in the Central 10 Parsecs"
 2014 American Astronomical Society, AAS Meeting #223, #238.01, oral presentation
130. Nidever, D. L., Ashley, T. L., Slater, C., **Ott, J.**, Johnson, M. C., Bell, E. F., Stanimirovic, S., Putman, M. E., Majewski, S., Simpson, C. E., Burton, W., Juette, E., & Oosterloo, T.
"Evidence for an Interaction in the Nearest Starbursting Dwarf Galaxy IC 10" 2014, American Astronomical Society, AAS Meeting #223, #112.07, oral presentation

129. Mills, E. A. C., Lang, C. C., Morris, M. R., **Ott, J.**, Butterfield, N., Ludovici, D., Schmitz, S. & Schmiedeke, A.
"A Radio Survey of Galactic Center Clouds"
 2013, IAU Symposium 303, Santa Fe, NM, USA, poster presentation
128. **Ott, J.**
"Shock Structure and Shock Heating in the Galactic Center Molecular Zone"
 2013, IAU Symposium 303, Santa Fe, NM, USA, poster presentation
127. Bihr, S., Beuther, H., Johnston, K., **Ott, J.**, Glover, S., Carlhoff, P., Brunthaler, A., Goldsmith, P., Schilke, P., Motte, F., Henning, T., & the THOR team
"THOR: The HI, OH, Recombination Line Survey of the Milky Way"
 2013, Protostars and Planets VII, Heidelberg, Germany, poster presentation
126. **Ott, J.**, Meier, D. S., & McCoy, M.
"Centaurus A @ ALMA+ATCA: Molecular Gas toward the AGN of the nearest radio galaxy"
 2013, AAS meeting 222, Indianapolis, IN USA, #318.05, poster presentation
125. Brunthaler, A., Falcke, H., Bower, G. C., **Ott, J.**, & Reid M. J.
"Brightening of Sgr A at 32 GHz from VLA observations"*
 2013, Astronomer's Telegram, #5014
124. Nidever, D. L., Majewski, S. R., Burton, W., Nigra, L., Besla, G., **Ott, J.**, Stanimirovic, S., Putman, M. E., & Agertz, O.
"Mapping the Extended Tail of the Magellanic Stream"
 2013, AAS meeting 221, Long Beach, CA, #404.04, oral presentation
123. Moody, S., Cannon, J. M., Cave, I., Larson, E., Marshall, M., Adams, E. A., Dolphin, A. E., Elson, E. C., Giovanelli, R., Haynes, M. P., McQuinn, K. B., **Ott, J.**, Saintonge, A., Salzer, J. J., & Skillman, E. D.
"SHIELD: Star Formation from WIYN and GALEX Imaging"
 2013, AAS meeting 221, Long Beach, CA, #352.06, oral presentation
122. Cannon, J. M., Marshall, M., Cave, I., Larson, E., Moody, S., Adams, E. A., Dolphin, A. E., Elson, E. C., Giovanelli, R., Haynes, M. P., McQuinn, K. B., **Ott, J.**, Saintonge, A., Salzer, J. J., & Skillman, E. D.
"SHIELD: Stellar Mass Estimates from Spitzer Imaging"
 2013, AAS meeting 221, Long Beach, CA, #352.04, oral presentation
121. Cave, I., Cannon, J. M., Larson, E., Marshall, M., Moody, S., Adams, E. A., Dolphin, A. E., Elson, E. C., Giovanelli, R., Haynes, M. P., McQuinn, K. B., **Ott, J.**, Saintonge, A., Salzer, J. J., & Skillman, E. D.
"SHIELD: Distance Estimates from Hubble Space Telescope Imaging"
 2013, AAS meeting 221, Long Beach, CA, #352.03, oral presentation
120. Larson, E., Cannon, J. M., Cave, I., Marshall, M., Moody, S., Adams, E. A., Dolphin, A. E., Elson, E. C., Giovanelli, R., Haynes, M. P., McQuinn, K. B., **Ott, J.**, Saintonge, A., Salzer, J. J., & Skillman, E. D.
"SHIELD: Program Status and New VLA High Resolution HI Imaging"
 2013, AAS meeting 221, Long Beach, CA, #352.02, oral presentation
119. Anderson, C. N., Meier, D. S., **Ott, J.**, Wong, T. H., & Hughes, A.
"From Gas to Stars in Energetic Environments: Dense Gas Clumps and PDRs in the 30 Doradus Region"
 2013, AAS meeting 221, Long Beach, CA, #349.20, poster presentation

118. Edwards, Z., **Ott, J.**, & Meier, D. S.
"Determining the X-Factor of M82"
 2013, AAS meeting 221, Long Beach, CA, #349.11, poster presentation
117. Walter, F., Bolatto, A. D., Leroy, A. K., Hodge, J., Ostriker, E. C., **Ott, J.**, Rosolowsky, E., Scoville, N., Veilleux, S., Weiss, A., & Zwaan, M.
"ALMA Observations of NGC 253 Reveal a Molecular Outflow and Resolve the GMCs that Fuel the Nuclear Starburst Activity"
 2013, AAS meeting 221, Long Beach, CA, #221.05, oral presentation
116. Mills, E. A., Morris, M., Güsten, R., Requena Torres, M., Lang, C. C., Butterfield, N., & **Ott, J.**
"A New View of Molecular Gas in the Galactic Center"
 2013, AAS meeting 221, Long Beach, CA, #332.06, oral presentation - thesis presentation
115. Dong, D., Murphy, E., Momjian, E., Condon, J., Helou, G., Meier, D. S., **Ott, J.**, Schinnerer, E., & Turner, J.
"The Star Formation in Radio Survey (SFRS): Initial Results from 33 GHz imaging with the Jansky Very Large Array"
 2013, AAS meeting 221, Long Beach, CA, #349.14, poster presentation
114. **Ott, J.**, Meier, D., McCoy, M., Muller, S., Peck, A., Impellizzeri, V., Walter, F., Aalto, S., Henkel, C., Martin, S., van der Werf, P., & Feain, I.
"An ALMA and ATCA Molecular Line Survey toward Centaurus A"
 2013, "The First Year of ALMA", Puerto Varas, Chile, oral presentation
113. McCoy, M., **Ott, J.**, & Meier, D.
"Physical and Chemical Conditions in Centaurus A" 2013, "The First Year of ALMA", Puerto Varas, Chile, poster presentation
112. Bolatto, A., Walter, F., Leroy, A. K., Warren, S. R., Zwaan, M., Veilleux, S., Ostriker, E., **Ott, J.**, Hodge, J., Weiss, A., Scoville, A., & Rosolowsky, E.
"Imaging the Nearest Circumnuclear Starburst: ALMA observes NGC 253"
 2013, "The First Year of ALMA", Puerto Varas, Chile, oral presentation
111. Muller, S., et al.
"A survey of strong absorption lines at $z=0.89$ toward PKS 1830-211"
 2013, "The First Year of ALMA", Puerto Varas, Chile, oral presentation
110. McCoy, M., **Ott, J.**, & Meier, D.
"Physical and Chemical Conditions in Centaurus A" 2012, New Mexico Symposium, poster presentation
109. **Ott, J.**, McCoy, M., Meier, D., Mueller, S., Peck, A., Impellizzeri, V., Walter, F., Aalto, S., Henkel, C., Martin, S., van der Werf, P., Feain, I., & Anderson, C.
"An ALMA and ATCA Molecular Line Survey toward Centaurus A"
 2012, New Mexico Symposium, poster presentation
108. **Ott, J.**, Stilp, A. M., Warren, S. R., Skillman, E. D., Dalcanton, J. J., Walter, F., Koribalski, B., & West, A. A.
"From Gas to Stars and from Stars to Gas: Dwarf Galaxy Evolution with VLA-ANGST"
 2012, New Mexico Symposium, poster presentation
107. **Ott, J.**, Burton, M., Jones, P., & Meier, D.
"Shocks in the Central Molecular Zone"
 2012, New Mexico Symposium, poster presentation

106. Anderson, C., Meier, D. S., **Ott, J.**, Hughes, A., & Wong, T.
"From Gas to Stars in Energetic Environments: Dense Gas Clumps in the 30 Doradus Region"
 2012, APS four corners meeting, Socorro, NM, USA
105. McCoy, M., **Ott, J.**, & Meier, D.
"Physical and Chemical Conditions in Centaurus A" 2012, APS four corners meeting, Socorro, NM, USA, poster presentation
104. **Ott, J.**, Meier, D., McCoy, M., Muller, S., Peck, A., Impellizzeri, V., Walter, F., Aalto, S., Henkel, C., Martin, S., van der Werf, P., Feain, I.
"An ALMA and ATCA Molecular Line Survey toward Centaurus A"
 2012, APS four corners meeting, Socorro, NM, USA, oral presentation
103. **Ott, J.**
"Nearby Galaxies with the EVLA"
 2012, EVLA workshop, Academia Sinica institute for Astronomy and Astrophysics, Taipei, Taiwan
102. **Ott, J.**
"Widefield Imaging: Mosaicking"
 2012, EVLA workshop, Academia Sinica institute for Astronomy and Astrophysics, Taipei, Taiwan
101. Wong, T., Hughes, A., **Ott, J.**, Pineda, J. L., Muller, E., and the MAGMA collaboration
"The Molecular Cloud Population of the Large Magellanic Cloud"
 2012, IAU General Assembly, Symposium 292, Beijing, China, oral presentation
100. **Ott, J.**, McCoy, M., Meier, D., Mueller, S., Peck, A., Impellizzeri, V., Walter, F., Aalto, S., Henkel, C., Martin, S., van der Werf, P., Feain, I., & Anderson, C.
"An ALMA and ATCA Molecular Line Survey toward Centaurus A"
 2012, IAU General Assembly, Symposium 292, Beijing, China, poster presentation
99. **Ott, J.**, Stilp, A. M., Warren, S. R., Skillman, E. D., Dalcanton, J. J., Walter, F., Koribalski, B., & West, A. A.
"From Gas to Stars and from Stars to Gas: Dwarf Galaxy Evolution with VLA-ANGST"
 2012, IAU General Assembly, Symposium 292, Beijing, China, poster presentation
98. **Ott, J.**, Burton, M., Jones, P., & Meier, D.
"Shocks in the Central Molecular Zone"
 2012, IAU General Assembly, Symposium 292, Beijing, China, poster presentation
97. Muller, E., Wong, T., Hughes, A., **Ott, J.**, Pineda, J. & the MAGMA team
"MAGMA-SMC: The Molecular Cloud Survey of the SMC"
 2012, IAU General Assembly, Symposium 292, Beijing, China, poster presentation
96. Anderson, C., Meier, D. S., **Ott, J.**, Hughes, A., & Wong, T.
"From Gas to Stars in Energetic Environments: Dense Gas Clumps in the 30 Doradus Region"
 2012, IAU General Assembly, Symposium 292, Beijing, China, poster presentation
95. **Ott, J.** & Rupen, M.
"EVLA Overview and Status"
 2012, American Astronomical Society, AAS Meeting, oral presentation
94. **Ott, J.**, Stilp, A., Warren, S., Skillman, E., Dalcanton, J., Walter, F., & de Blok, E.
"VLA-ANGST: The Influence of Stellar Populations on the HI Shapes and Gas Dynamics in Galaxies"
 2012, American Astronomical Society, AAS Meeting #219, #106.07; oral presentation

93. Warren, S. R., Petersen, E. A., Skillman, E. D., Stilp, A. M., **Ott, J.**, Dalcanton, J. J., Walter, F., de Blok, E. W. J. G., Koribalski, B., & West, A. A.
"Cold HI in Low Mass Galaxies"
 2012, American Astronomical Society, AAS Meeting #219, #201.02; oral presentation
92. Thomann, C., Cannon, J. M., Elson, E. C., Giovanelli, R., Haynes, M. P., Adams, E. A. K., McQuinn, K. B. W., **Ott, J.**, Saintonge, A., Salzer, J. J., & Skillman, E. D.
"Dynamical Modeling Of SHIELD Galaxies: AGC 749237"
 2012, American Astronomical Society, AAS Meeting #219, #244.03; poster presentation
91. Cannon, J. M., Thomann, C. M., Giovanelli, R., Haynes, M. P., Janowiecki, S., Parker, A., Salzer, J. J., Adams, E. A. K., Elson, E. C., Engstrom, E., Huang, S., McQuinn, K. B. W., **Ott, J.**, Saintonge, A., Skillman, E. D., Allan, J., Erny, G., Fliss, P., & Smith, A.
"The Survey Of HI In Extremely Low-mass Dwarfs (shield)"
 2012, American Astronomical Society, AAS Meeting #219, #244.04; poster presentation
90. Kent, B. R., Chung, A., Wrobel, J. M., **Ott, J.**, Morrison, G. E., Bekki, K., & Park, H.S
"EVLA Observations of the Leo Ring"
 2012, American Astronomical Society, AAS Meeting #219, #244.11; poster presentation
89. Schwarz, K. R., **Ott, J.**, Meier, D., & Claussen, M.
"Water Masers in Star Forming Regions of the Large Magellanic Cloud"
 2012, American Astronomical Society, AAS Meeting #219, #341.04; poster presentation
88. **Ott, J.**, Muller, S., Meier, D., Peck, A., Impellizzeri, V., Walter, F., Henkel, C., Martin, S., Aalto, S., van der Werf, P., Feain, I., & Anderson, C.
"Cm and mm Survey of Molecular Absorption Lines in Centaurus A"
 2012, American Astronomical Society, AAS Meeting #219, #349.26; poster presentation
87. Hughes, A., Wong, T., **Ott, J.**, Muller, E., Pineda, J. Maddison, S., and the MAGMA team
"Scientific Highlights from MAGMA, the Magellanic Mopra Assessment"
 October 2011, ATNF News, Issue No. 71 (CSIRO/CASS)
86. **Ott, J.**
"Feeding and Feedback: Molecular Gas in the Central Molecular Zone"
 2011, "The emerging, multi-wavelength view of the Galactic Centre Environment", Heidelberg, Germany, invited oral presentation
85. **Ott, J.**
"Feeding and Feedback: Molecular Gas in the Central Molecular Zone"
 2011, New Mexico Symposium, NRAO Socorro, NM, USA, oral presentation
84. **Ott, J.**
"The Evolution of Molecular Tracers in Galaxies"
 2011, "Building on New Worlds, New Horizons: New Science from Submillimeter to Meter Wavelengths", Santa Fe, USA, oral presentation ‘
83. **Ott, J.**, Henkel, C., Braatz, J. A., & Weiss, A.
"The Kinetic Temperature of Molecular Gas in Arp 220: Ammonia Observations with the ATCA and GBT"
 2011, American Astronomical Society, AAS Meeting #217, #245.09; Bulletin of the American Astronomical Society, Vol. 43, poster presentation
82. Kogan, L., Owen, F., **Ott, J.**, & Cohen, A.
"Optimization of Compact Array Configurations to Minimize Side-lobes for Two Cases: The LWA Phased-array Station and the New E-configuration for the EVLA"

- 2011, American Astronomical Society, Meeting #217, #413.02; Bulletin of the American Astronomical Society, Vol. 43, oral presentation
81. Wyss, S., **Ott, J.**, Meier, D., Wong, T., Hughes, A., Pineda, J., & Muller, E.
"The CO Isotope Ratio of the Large Magellanic Cloud"
 2011, American Astronomical Society, AAS Meeting #217, #251.26; Bulletin of the American Astronomical Society, Vol. 43, poster presentation
 80. Warren, S. R., Skillman, E., Stilp, A., **Ott, J.**, Dalcanton, J., & Walter, F.
"The Cold ISM of Low Metallicity Galaxies"
 2011, American Astronomical Society, AAS Meeting #217, #147.10; Bulletin of the American Astronomical Society, Vol. 43, poster presentation
 79. Stilp, A., Dalcanton, J., **Ott, J.**, Warren, S., & Weisz, D.
"Nearby Dwarf Galaxies in VLA-ANGST: an Exploration of HI Velocity Dispersion"
 2011, American Astronomical Society, AAS Meeting #217, #147.08; Bulletin of the American Astronomical Society, Vol. 43, poster presentation
 78. Seale, J. P., Looney, L. W., Wong, T., & **Ott, J.**
"The Life and Death of Dense Molecular Clumps Around Massive YSOs in the LMC"
 2011, American Astronomical Society, AAS Meeting #217, #133.05; Bulletin of the American Astronomical Society, Vol. 43, oral presentation
 77. **Ott, J.**
"Molecular Gas in the Central Molecular Zone"
 2010, "Star formation under extreme conditions: the Galactic center" Besancon, France
invited speaker
 76. Lee, M.-Y., Stanimirovic, S., **Ott, J.**, van Loon, J. Th., Bolatto, A. D., Jones, P. A., Cunningham, M. R., Devine, K. E., & Oliveira, J. M.
"Search for High-Extinction Regions in the Small Magellanic Cloud"
 2010, Highlights of Astronomy, Volume 15, p. 412-412
 75. Warren, S. R., Skillman, E., **Ott, J.**, Stilp, A., Weisz, D., McQuinn, K., Dalcanton, J., & Walter, F.
"The Cold ISM of Dwarf Galaxies"
 2010, "From Stars to Galaxies" conference, Gainesville, FL, poster presentation
 74. Hughes, A., Wong, T., **Ott, J.**, Pineda, J. L., Muller, E. & the MAGMA team
"Physical Properties of GMCs in the Large Magellanic Cloud"
 2010, "From Stars to Galaxies" conference, Gainesville, FL, oral presentation
 73. Muller, E., **Ott, J.**, Hughes, A., Pineda, J. L., Wong, T., Mizuno, N., Kawamura, A., Mizuno, Y., Onishi, T., & Fukui, Y.
"MAGMA-SMC: Molecular Clouds in an Early-Universe Analogue"
 2010, "From Stars to Galaxies" conference, Gainesville, FL, poster presentation
 72. **Ott, J.**, Warren, S., Stilp, A., Skillman, E., Dalcanton, J., Walter, F., & de Blok, E.
"VLA-ANGST: Overview and First Results"
 2010 AAS Winter Meeting, Washington DC, oral presentation
 71. **Ott, J.**, and the EVLA team
"Extragalactic Spectral Lines with the Expanded Very Large Array"
 2010 AAS Winter Meeting, Washington DC, oral presentation

70. Henkel, C. & Ott, J.
"13mm Emission Lines in the Galactic Center"
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