

Curriculum Vitae

Nicole Nesvadba

Current address

Name : NESVADBA, Nicole Paula Heidelies

Work address : Laboratoire Lagrange
Observatoire de la Côte d'Azur
Boulevard de l'Observatoire
C.I.O.N.
06304 Nice Cedex 4
France

Email : nicole.nesvadba@oca.eu

Main research interests

- Feedback from star formation and active galactic nuclei
- Radio millimeter and centimeter interferometry
- Integral-field spectroscopy in the optical and near-infrared
- CO emission line dynamics & molecular gas properties of high-redshift galaxies
- Feedback from star formation and active galactic nuclei
- Formation and evolution of galaxies at redshifts $z \sim 1-3$: optically/UV selected galaxies, submillimeter and radio galaxies, including gravitationally lensed galaxies

Employment history & academic degrees

10-2021 – present	Directrice de Recherche 2 ^{ème} classe, CNRS, Laboratoire Lagrange, Observatoire de la Côte d'Azur, Nice
10/2019 – 09/2021	Chargée de Recherche, Laboratoire Lagrange, Observatoire de la Côte d'Azur, Nice
10/2013 – 09/2019	Chargée de Recherche 1 ^{ère} classe, CNRS, Institut d'Astrophysique Spatiale, Orsay
10/2009 – 09/2013	Chargée de Recherche 2 ^{ème} classe, CNRS, IAS Orsay
11/2008 – 09/2009	CNES postdoctoral fellow, IAS Orsay
11/2006 – 10/2008	Marie-Curie Fellow, GEPI, Observatoire de Paris/Meudon.
June 6 th , 2006	PhD thesis at the MPI für Extraterrestrische Physik and Ludwig-Maximilians-Universität München: <i>Integral-Field Spectroscopy of High-redshift galaxies: Implications for Early Galaxy Evolution</i> , thesis advisor: Prof. Dr. R. Genzel
01/2003 – 10/2006	Graduate student at the Max-Planck-Institut für Extraterrestrische Physik, Garching bei München, Germany
10/2001 – 12/2002	Cloud software development / inner detector track reconstruction software for the ATLAS detector within the LHC collaboration / CERN

05/2000 – 05/2001	Diploma student within the OPAL collaboration at CERN, Geneva, under the auspices of Prof. D. Schaile, Ludwig-Maximilians-Universität München, Germany, and the OPAL Higgs Working Group, CERN, Geneva, Switzerland
May 15 th , 2001	Diploma thesis (a one-year full-time research project) at CERN, Geneva, and the Ludwig-Maximilians-Universität München: <i>Flavor-Independent Search for the Higgs-Boson in the hZ Channel at LEP</i> , supervision: Prof. Dr. D. Schaile, Prof. T. Junk, and the OPAL and LEP Higgs Working Groups

Student and postdoc supervision

Postdocs

2017 – 2019 :	<i>Gas and star-formation in blue low-excitation emission-line radio galaxies.</i> Postdoc project with Dr. Reinier Janssen, IAS, Université Paris-Sud, Orsay (until 12/2018), and JPL, Pasadena, USA (since 01/2019).
2012 – 2014 :	<i>The hierarchy probe.</i> Scientific host of Marie-Curie fellowship of Dr. Daniel Dicken at IAS.

Graduate students

10/2021 – 09/2024	Thesis advisor of Marie Drevet Mulard, Université de la Côte d'Azur
2017 – 2021	Member of the thesis advisory panel of H. Zovaro at the Australian National University (Canberra, Australia). Close collaboration through email and skype on all aspects of multi-wavelength observations of nearby radio-loud AGN.
10/2013 – 10/2016	Thesis advisor of Raoul Canameras, IAS, Université Paris-Sud, Orsay (now postdoc at MPA in Garching)
10/2010 – 04/2014	Thesis advisor of Cedric Collet, IAS, Université Paris-Sud, Orsay (now working for a private company)

Prior to obtaining my HDR in 2012, I have (factually, but informally) co-supervised two further thesis projects :

11/2009 – 10/2012	Co-supervisor of C. Herrera (advisor: Dr. F. Boulanger) IAS, Université Paris-Sud Orsay (now postdoc at IRAM Grenoble)
10/2007 – 09/2011	Co-supervisor of L. Le Tiran (advisor: Dr. M. D. Lehnert), GEPI, Observatoire de Paris (now working for a private company)

Undergraduate students

01/2020 – 02/2020	Co-supervision of Henri-Poincaré Junior Fellow at the Laboratoire Lagrange (with Chiara Ferrari).
03/2013 – 07/2013	Raoul Canameras, IAS, Université Paris-Sud, Orsay (M2 student)
02/2012 – 03/2012	Stage (equivalent M2) de Caroline Heneka (Universität Heidelberg) as part of her Erasmus fellowship in Paris
04/2011 – 06/2011	Marco Bocchio (NPAC), IAS, Université Paris-Sud Orsay (M2 student)
04/2010 – 07/2010	Cédric Collet, IAS, Université Paris-Sud (M2 student)

Scholarships and funding proposals

2021 – 2024	French Co-PI of the French-Indian CEFIPRA Grant <i>Resolving the impact of AGN feedback on gas and star formation through simulations and observations</i> with Prof. D. Mukherjee, IUCAA, Pune, India
2014 – 2017	Co-investigator of the project <i>The key role of black holes in galaxy evolution</i> , PI Prof. Dr. G. Bicknell, Australian National University, Canberra, Australian Research Council
2011 – 2013	Scientific coordinator of the Marie-Curie intra-European Fellowship of Dr. D. Dicken
2011 – present	PI and Co-I of several funding proposals of CNES and CNRS/INSU (PNCG and PCMI)
2008 – 2009	CNES Postdoctoral Fellowship
2006 – 2008	Marie-Curie Intra-European Fellowship

Observing and other practical skills and competences

PI or significant co-I of >100 accepted observing proposals at the major telescopes of ESO-VLT and La Silla, CFHT, Gemini, Keck, ATCA, WHT, NOT, IRAM, ALMA, JVLA, SMA, GMRT, HST, JCMT, CSO, LBT, JWST ERS, Spitzer, Herschel, with >1000 hrs of total observing time. >50 nights of observing experience at the telescopes of ESO-VLT and La Silla, IRAM Granada, SMA, Keck, CTIO, NOT, INT, JCMT, CSO.

Internationally recognized expert in imaging spectroscopy in the NIR and optical. Development of proprietary reduction software for data obtained in these wavelength regimes. Experienced user of millimeter and centimeter interferometers, longslit and multiplex spectroscopy, and narrow and broad-band imaging in the optical, near, mid and far-infrared. Competent user of windows, linux, fortran, C/C++, IDL, python, py/IRAF, and the major data reduction and analysis tools in these wavelength regimes.

Science Working Groups and contributions to future instruments

2019	Co-author of the high-redshift section for the high-frequency science case of SKA-1 ('band 6'), main author of the dense molecular and [CI] sections.
2019 – present	Member of the LOFAR Surveys Key Science Working Group.
2019 – present	Member of the WEAVE science team and the WEAVE-LOFAR science team. Contributions to the WEAVE-LOFAR science case.
2016	Main author of the sections on AGN and ALMA-SKA synergies for the French SKA White Book (co-authors: C. Tasse and M. Pommier)

2012 – present	Planck-HFI associate, strong contributions to the ground-based follow-up of high-redshift candidates.
2012 – present	Member of the science working group of GMTIFS, a near-infrared imaging spectrograph on the Giant Mirror Telescope (GMT)

Time Allocation Committees and scientific advisory boards

2020 – 2021	Member of the CoSP of the EUR Spectrum, UCA
2012 – 2024	Member of the scientific advisory board to the head of astronomy at the CNRS (CSAA). (1 st mandate 2012-2019, 2 nd mandate 2019-2024)
2019	Panel chair of the ALMA proposal review panel (ARP) 1A, and co-chair of the ALMA proposal review committee (APRC)
2018 – 2019	Member of the conseil scientifique de l'OSUPS.
2017	Member of the MUSE deep field selection panel at ESO.
2016 – 2019	Member of the ALMA proposal review panel 1 (ARP)
since 2014	Regular reviewer of NASA postdoctoral program applications. Occasional participation in virtual panel meetings.
2012 – 2018	Member of the French time allocation committee at the CFHT.
2014 – 2015	Member of the conseil de laboratoire at the IAS
2013 – 2014	Member of the ESO observing program committee panel B (galaxy evolution)
2013 – 2017	Member of the conseil scientifique of the action spécifique ALMA de l'INSU

Occasional referee for the fellowship and funding programs of the Royal Society, STFC, Agence Nationale de Recherche, amongst others. Occasional referee of A&A, ApJ, MNRAS, and Nature.

Scientific organizing committees (SOC) of international conferences

03/2020	IAU Symposium 359 – Galaxy Evolution and Feedback across Different Environments (GALFEED)
06/2019	IAU Symposium 352 – Uncovering early galaxy evolution in the ALMA and JWST era. Viana do Castelo, Portugal.
2012	Black hole feedback 2012: What is the role of AGN in the evolution of galaxies ? Dartmouth-Durham extragalactic workshop. Dartmouth, Connecticut, USA
2009	Powerful radio galaxies: Triggering and feedback. Lorentz Workshop, Lorentz Center, Leiden, The Netherlands.

Conferences and seminars since 2014

Invited talks at international conferences

04/2020	<i>Where the star formation ends</i> , Lorentz Center, Leiden, The Netherlands (reported sine-die because of the pandemic)
07/2018	<i>Multiphase AGN feeding and feedback</i> , Sesto, Italy
01/2018	<i>AAS 231st meeting: SMA special session</i> , Washington, USA
08/2017	<i>From black holes to galaxies</i> , Canberra, Australia
08/2014	<i>Powerful AGN and their host galaxies across cosmic time</i> , Port Douglas, Australia
07/2014	<i>The unquiet Universe</i> , Cefalu, Sicily, Italy
04/2013	<i>Science with the Giant Magellan Telescope Imaging Spectrograph (GMTIFS)</i> , Carnegie Observatories, Pasadena, California, USA
07/2012	<i>IAU General Assembly, SP292: Gas and dust in galaxies</i> , Beijing, China
07/2010	<i>Molecules in galaxies</i> , Oxford, UK
07/2010	<i>What drives the growth of black holes?</i> Durham, UK
12/2009	<i>Powerful radio galaxies: Triggering and Feedback</i> , Leiden, The Netherlands
07/2009	<i>SFR@50: Filling the Cosmos with Stars</i> , Siena Italy
06/2008	<i>Gas and Stars in Galaxies – A Multi-wavelength 3D Perspective</i> , ESO, Garching,

Overall participation in conferences and workshops since 2014

Journees PCMI (online meeting) 6-10 July 2020. Participation

EWASS 2020 virtual conference. 29 June – 3 July 2020. Participation.

LOFAR Key Science Working Group meeting. Torino, Italy, 16-18 December 2019. Participation.

Colloque de prospective INSU AA 2019. Presqu'Île de Giers, 15-18 October 2019. Participation.

Uncovering early galaxy evolution in the ALMA and JWST era. IAU Symposium 352. Viana do Castelo, Portugal, 3-7 June, 2019. SOC member and panel chair.

The role feedback in galaxy evolution. From small-scale winds to large-scale outflows. 15th Potsdam Thinkshop. Potsdam, Germany, 3-7 September, 2018. Contributed talk.

Multiphase AGN Feeding and Feedback, Sesto/Italy, 9-13 July, 2018. Invited speaker.

AAS 231st meeting : SMA special session. Washington, USA, 8-12 January, 2018. Invited speaker.

From Black Holes to Galaxies, Canberra, 21-25 August, 2017. Invited review talk and discussion leader

Physics and demography of AGN and starburst winds (EWASS 2017 symposium). Prague, 26-30 June, 2017. Contributed talk.

Star-formation, metals, and feedback in galaxies (EWASS 2017 special session). Prague, 26-30 June, 2017. Contributed talk.

Galaxy evolution across cosmic time : 12-16 June, 2017, Paris, France. Contributed talk.

Gas, dust and star formation, Conference international, Cretes, Grece, 25-29 May 2015. Contributed talk.

Powerful AGN and their host galaxies. Port Douglas, Australia, 16-20 June, 2014. Invited talk.

Seminar talks since 2014

Sterrewacht Leiden, Lunch Talk : ‘‘Planck’s Dusty GEMS: Probing star formation in maximal starbursts at $z=2-3$ on sub-kpc scales., 02/2019, Sterrewacht Leiden, Leiden, The Netherlands.

Monash University Institute Seminar : ‘‘AGN feedback through winds and turbulence across cosmic time’’, 09/2017, Monash University, Melbourne, Australia

Mount Stromlo Observatory Seminar : Probing individual starburst regions in maximal starburst galaxies at $z=2-3$: Planck’s Dusty GEMS. 09/2017, Mount Stromlo Observatory, Australian National University, Canberra, Australia

Joint ESO-ALMA colloquium : AGN feedback through winds and turbulence across cosmic time 02/2016, ESO Chilean Headquarters, Santiago de Chile, Chile

JAO Extragalactic Meeting : Planck’s Dusty GEMS: the brightest gravitationally lensed high-redshift galaxies in the Planck all-sky survey. 02/2016, ALMA Headquarters, Santiago de Chile

Mount Stromlo Observatory Seminar : « AGN feedback in high-redshift galaxies », 08/2014, Mount Stromlo Observatory, Australian National University, Canberra, Australia

Press releases and outreach

- 2019 Scientific speed dating with high-school students at the Lycee Calmette in Nice, ‘‘Declics’’, Schlumberger Foundation for Education and Research
- 2019 : Talk for the general public at the Zen dojo in Reims : Vous avez dit « cosmique » ?
- 2018 : Joint press release by the CNRS, IRAM, Université Paris-Sud, and other institutes : *Les pouponnières d’étoiles interagissent avec leur environnement au cœur des galaxies massives*
- 2017 : Talk for the general public at the Volkssternwarte (public observatory) of the Physikalischer Verein, Frankfurt am Main (Germany) : *Wie kommt der Kohlenstoff in meinen kleinen Finger?*
- 2016 : Talk for the general public at the Zen dojo in Paris : Vous avez dit « cosmique » ?
- 2015 : Joint press release by CNRS, ESA, NASA, and other institutes. *Enigmatic high-redshift galaxies discovered by Planck and Herschel*
- 2009 – 2014 : Occasional scientific consultant and fact checker for the publisher « Schoeffler », Frankfurt am Main, Allemagne.
- 2012 : CNRS press release and video clip: *La naissance turbulente des super-amas d’étoiles dans les galaxies en fusion*
- 2010 : CNRS / ESO press release : *Détection de la plus lointaine galaxie : la fin de l’age sombre.*

Publication record

94 refereed publications since 2004 with > 8200 citations. 46 since 2014, 17 as first author (including 6 since 2014). H = 40.

Refereed publications since 2014

(I) Papers led by a graduate student or postdoc under my direct supervision

Zovaro, Henry R. M.; Sharp, Robert; **Nesvadba, Nicole P. H.**; Kewley, Lisa; Sutherland, Ralph; Taylor, Philip; Groves, Brent; Wagner, Alexander Y.; Mukherjee, Dipanjan; Bicknell, Geoffrey V. (2020), "Unravelling the enigmatic ISM conditions in Minkowski's object", MNRAS 499, 4940

Canameras, R.; **Nesvadba, N. P. H.**; Kneissl, R.; Koenig, S.; Yang, C.; Beelen, A.; Hill, R.; Le Floc'h, E.; Scott, D., "Planck's Dusty GEMS. VIII. Dense-gas reservoirs in the most active dusty starbursts at $z \sim 3$ ", A&A 645, 65

Canameras, R., **Nesvadba, N.**, Guery, D., McKenzie, T., Konig, S., Petitpas, G., Dole, H., Frye, B., Flores-Cacho, I., Montier, L., Negrello, M., Beelen, A., Boone, F., Dicken, D., Lagache, G., Le Floc'h, E., Altieri, B., Bethermin, M., Chary, R., de Zotti, G., Giard, M., Kneissl, R., Krips, M., Malhotra, S., Martinache, C., Omont, A., Pointecouteau, E., Puget, J.-L., Scott, D., Soucail, G., Valtchanov, I., Welikala, N., and Yan, L. (2015), "Planck's dusty GEMS: The brightest gravitationally lensed galaxies discovered with the Planck all-sky survey", Astronomy and Astrophysics, 581, A105

Canameras, R., Yang, C., **Nesvadba, N.**, Beelen, A., Kneissl, R., Koenig, S., Le Floc'h, E., Limousin, M., Malhotra, S., Omont, A., and Scott, D. (2018), "Planck's dusty GEMS. VI. Multi-J CO excitation and interstellar medium conditions in dusty starburst galaxies at $z = 2-4$ ", Astronomy and Astrophysics, 620, A61

Canameras, R., **Nesvadba, N.**, Limousin, M., Dole, H., Kneissl, R., Koenig, S., Le Floc'h, E., Petitpas, G., and Scott, D. (2018), "Planck's dusty GEMS. V. Molecular wind and clump stability in a strongly lensed star-forming galaxy at $z = 2.2$ ", Astronomy and Astrophysics, 620, A60

Canameras, R., **Nesvadba, N.**, Kneissl, R., Frye, B., Gavazzi, R., Koenig, S., Le Floc'h, E., Limousin, M., Oteo, I., and Scott, D. (2017), "Planck's dusty GEMS. IV. Star formation and feedback in a maximum starburst at $z = 3$ seen at 60-pc resolution", Astronomy and Astrophysics, 604, A117

Shirazi, M., Vegetti, S., **Nesvadba, N.**, Allam, S., Brinchmann, J., and Tucker, D. (2014), "The physical nature of the 8 o'clock arc based on near-IR IFU spectroscopy with SINFONI", Monthly Notices of the Royal Astronomical Society, 440, 2201

Collet, C., **Nesvadba, N.**, De Breuck, C., Lehnert, M. D., Best, P., Bryant, J. J., Dicken, D., Johnston, H., Hunstead, R., and Wylezalek, D. (2015), "Defying jet-gas alignment in two radio galaxies at $z \sim 2$ with extended light profiles: Similarities to brightest cluster galaxies", Astronomy and Astrophysics, 579, A89

Collet, C., **Nesvadba, N. P. H.**, De Breuck, C., Lehnert, M. D., Best, P., Bryant, J. J., Hunstead, R., Dicken, D., and Johnston, H. (2016), "Kinematic signatures of AGN feedback in moderately powerful radio galaxies at $z \sim 2$ observed with SINFONI", Astronomy and Astrophysics, 586, A152

Canameras, R., **Nesvadba, N.**, Kneissl, R., Limousin, M., Gavazzi, R., Scott, D., Dole, H., Frye, B., Koenig, S., Le Floc'h, E., and Oteo, I. (2017), "Planck's dusty GEMS. III. A massive lensing galaxy with a bottom-heavy stellar initial mass function at $z = 1.5$ ", Astronomy and Astrophysics, 600, L3

Zovaro, H., **Nesvadba, N.**, Sharp, R., Bicknell, G., Groves, B., Mukherjee D., Wagner A. (2019), "Searching for signs of jet-driven negative feedback in the nearby radio galaxy UGC 05771", MNRAS, 489, 4944

(II) Refereed publications as first author

Nesvadba, N. P. H., Wagner, A. Y., Mukherjee, D., Mandal, A., Janssen, R. M. J., Zovaro, H., Neumayer, N., Bagchi, J., Bicknell, G., "Jet-driven AGN feedback on molecular gas and low star-formation efficiency in a massive local spiral galaxy with a bright X-ray halo", A&A 654, 8

Nesvadba, N. P. H.; Bicknell, G. V.; Mukherjee, D.; Wagner, A. Y., "Gas, dust, and star formation in the positive AGN feedback candidate 4C 41.17 at $z = 3.8$ " A&A 639L, 13

Nesvadba, N., Kneissl, R., Canameras, R., Boone, F., Falgarone, E., Frye, B., Gerin, M., Koenig, S., Lagache, G., Le Floch, E., Malhotra, S., and Scott, D. (2016), "Planck's Dusty GEMS. II. Extended [CII] emission and absorption in the Garnet at $z = 3.4$ seen with ALMA", Astronomy and Astrophysics, 593, L2

Nesvadba, N., De Breuck, C., Lehnert, M. D., Best, P. N., and Collet, C. (2017), "The SINFONI survey of powerful radio galaxies at $z \sim 2$: Jet-driven AGN feedback during the Quasar Era", Astronomy and Astrophysics, 599, A123

Nesvadba, N., Drouart, G., De Breuck, C., Best, P., Seymour, N., and Vernet, J. (2017), "Gas kinematics in powerful radio galaxies at $z \sim 2$: Energy supply from star formation, AGN, and radio jets☆", Astronomy and Astrophysics, 600, A121

Nesvadba, N., Canameras, R., Kneissl, R., Koenig, S., Yang, C., Le Floch, E., Omont, A., and Scott, D. (2018), "Planck's Dusty GEMS. VII. Atomic carbon and molecular gas in dusty starburst galaxies at $z=2$ to 4", arXiv e-prints, A&A accepted, arXiv/1812.04653

(III) Refereed publications as co-author

Mandal, Ankush, Mukherjee, Dipanjan, Federrath, Christoph, **Nesvadba, N. P. H.**, Bicknell, Geoffrey V., Wagner, Alexander Y., and Meenakshi, Moun (2021) "Impact of relativistic jets on the star formation rate: a turbulence-regulated framework", MNRAS, 508, 4738

Zovaro, Henry R. M., Riseley, Chris J., Taylor, Philip, **Nesvadba, Nicole P. H.**, Galvin, Tim J., Malik, Umang, and Kewley, Lisa J. (2020), "Revisiting the Giant Radio Galaxy ESO 422-G028: Part I. Discovery of a neutral inflow and recent star formation in a restarted giant", MNRAS in press

Rose, Tom; Edge, A. C.; Combes, F.; Hamer, S.; McNamara, B. R.; Russell, H.; Gaspari, M.; Salomé, P.; Sarazin, C.; Tremblay, G. R.; Baum, S. A.; Bremer, M. N.; Donahue, M.; Fabian, A. C.; Ferland, G.; **Nesvadba, N.**; O'Dea, C.; Oonk, J. B. R.; Peck, A. B. , "A molecular absorption line survey towards the AGN of Hydra-A", MNRAS 496, 364

Hamer, S. L., Edge, A. C., Swinbank, A. M., Oonk, J. B. R., Mittal, R., McNamara, B. R., Russell, H. R., Bremer, M. N., Combes, F., Fabian, A. C., **Nesvadba, N.**, O'Dea, C. P., Baum, S. A., Salomé, P., Tremblay, G., Donahue, M., Ferland, G. J., and Sarazin, C. L. (2014), "Cold gas dynamics in Hydra-A: evidence for a rotating disc", Monthly Notices of the Royal Astronomical Society, 437, 862

Rhoads, James E., Malhotra, Sangeeta, Allam, Sahar, Carilli, Chris, Combes, Francoise, Finkelstein, Keely, Finkelstein, Steven, Frye, Brenda, Gerin, Maryvonne, Guillard, Pierre, **Nesvadba, Nicole**, Rigby, Jane, Spaans, Marco, and Strauss, Michael A. (2014), "Herschel Extreme Lensing Line Observations: Dynamics of Two Strongly Lensed Star-forming Galaxies near Redshift $z = 2$ ", The Astrophysical Journal, 787, 8

Drouart, G., De Breuck, C., Vernet, J., Seymour, N., Lehnert, M., Barthel, P., Bauer, F. E., Ibar, E., Galametz, A., Haas, M., Hatch, N., Mullaney, J. R., **Nesvadba, N.**, Rocca-Volmerange, B., Rottgering, H. J. A., Stern,

D., and Wylezalek, D. (2014), "Rapidly growing black holes and host galaxies in the distant Universe from the Herschel Radio Galaxy Evolution Project", *Astronomy and Astrophysics*, 566, A53

Dicken, D., Tadhunter, C., Morganti, R., Axon, D., Robinson, A., Magagnoli, M., Kharb, P., Ramos Almeida, C., Mingo, B., Hardcastle, M., **Nesvadba, N. P. H.**, Singh, V., Kouwenhoven, M. B. N., Rose, M., Spoon, H., Inskip, K. J., and Holt, J. (2014), "Spitzer Mid-IR Spectroscopy of Powerful 2Jy and 3CRR Radio Galaxies. II. AGN Power Indicators and Unification", *The Astrophysical Journal*, 788, 98

Sun, Ai-Lei, Greene, Jenny E., Zakamska, Nadia L., and **Nesvadba, Nicole P. H.** (2014), "ALMA Observations of a Candidate Molecular Outflow in an Obscured Quasar", *The Astrophysical Journal*, 790, 160

Planck Collaboration, (2014), "Planck 2013 results. I. Overview of products and scientific results", *Astronomy and Astrophysics*, 571, A1

Planck Collaboration, (2014), "Planck 2013 results. XXIX. The Planck catalogue of Sunyaev-Zeldovich sources", *Astronomy and Astrophysics*, 571, A29

Tadhunter, C., Dicken, D., Morganti, R., Konyves, V., Ysard, N., **Nesvadba, N.**, and Ramos Almeida, C. (2014), "The dust masses of powerful radio galaxies: clues to the triggering of their activity", *Monthly Notices of the Royal Astronomical Society*, 445, L51

Rowlands, K., Wild, V., **Nesvadba, N.**, Sibthorpe, B., Mortier, A., Lehnert, M., and da Cunha, E. (2015), "The evolution of the cold interstellar medium in galaxies following a starburst", *Monthly Notices of the Royal Astronomical Society*, 448, 258

Planck Collaboration, (2015), "Planck 2013 results. XXXII. The updated Planck catalogue of Sunyaev-Zeldovich sources", *Astronomy and Astrophysics*, 581, A14

Planck Collaboration, (2015), "Planck intermediate results. XXVII. High-redshift infrared galaxy overdensity candidates and lensed sources discovered by Planck and confirmed by Herschel-SPIRE", *Astronomy and Astrophysics*, 582, A30

Emonts, B. H. C., De Breuck, C., Lehnert, M. D., Vernet, J., Gullberg, B., Villar-Martin, M., **Nesvadba, N.**, Drouart, G., Ivison, R., Seymour, N., Wylezalek, D., and Barthel, P. (2015), "The Dragonfly Galaxy. II. ALMA unveils a triple merger and gas exchange in a hyper-luminous radio galaxy at $z = 2$ ", *Astronomy and Astrophysics*, 584, A99

Flores-Cacho, I., Pierini, D., Soucaill, G., Montier, L., Dole, H., Pointecouteau, E., Pello R., Le Floc'h, E., **Nesvadba, N.**, Lagache, G., Guery, D., and Canameras, R. (2016), "Multi-wavelength characterisation of $z \sim 2$ clustered, dusty star-forming galaxies discovered by Planck", *Astronomy and Astrophysics*, 585, A54

Welikala, N., Bethermin, M., Guery, D., Strandet, M., Aird, K. A., Aravena, M., Ashby, M. L. N., Bothwell, M., Beelen, A., Bleem, L. E., de Breuck, C., Brodwin, M., Carlstrom, J. E., Chapman, S. C., Crawford, T. M., Dole, H., Dore, O., Everett, W., Flores-Cacho, I., Gonzalez, A. H., Gonzalez-Nuevo, J., Greve, T. R., Gullberg, B., Hezaveh, Y. D., Holder, G. P., Holzapfel, W. L., Keisler, R., Lagache, G., Ma, J., Malkan, M., Marrone, D. P., Mocanu, L. M., Montier, L., Murphy, E. J., **Nesvadba, N. P. H.**, Omont, A., Pointecouteau, E., Puget, J. L., Reichardt, C. L., Rotermund, K. M., Scott, D., Serra, P., Spilker, J. S., Stalder, B., Stark, A. A., Story, K., Vanderlinde, K., Vieira, J. D., and Weiszlig, A. (2016), "Probing star formation in the dense environments of $z \sim 1$ lensing haloes aligned with dusty star-forming galaxies detected with the South Pole Telescope", *Monthly Notices of the Royal Astronomical Society*, 455, 1629

Gullberg, Bitten, De Breuck, Carlos, Lehnert, Matthew D., Vernet, Joel, Bacon, Roland, Drouart, Guillaume, Emonts, Bjorn, Galametz, Audrey, Ivison, Rob, **Nesvadba, Nicole P. H.**, Richard, Johan, Seymour, Nick, Stern, Daniel, and Wylezalek, Dominika (2016), "The mysterious morphology of MRC0943-242 as revealed by ALMA and MUSE", *Astronomy and Astrophysics*, 586, A124

Zakamska, Nadia L., Lampayan, Kelly, Petric, Andreea, Dicken, Daniel, Greene, Jenny E., Heckman, Timothy M., Hickox, Ryan C., Ho, Luis C., Krolik, Julian H., **Nesvadba, Nicole P. H.**, Strauss, Michael A., Geach, James E., Oguri, Masamune, and Strateva, Iskra V. (2016), "Star formation in quasar hosts and the origin of radio emission in radio-quiet quasars", *Monthly Notices of the Royal Astronomical Society*, 455, 4191

Dahle, H., Aghanim, N., Guennou, L., Hudelot, P., Kneissl, R., Pointecouteau, E., Beelen, A., Bayliss, M., Douspis, M., **Nesvadba, N.**, Hempel, A., Gronke, M., Burenin, R., Dole, H., Harrison, D., Mazzotta, P., and Sunyaev, R. (2016), "Discovery of an exceptionally bright giant arc at $z = 2.369$, gravitationally lensed by the Planck cluster PSZ1 G311.65-18.48", *Astronomy and Astrophysics*, 590, L4

Gullberg, Bitten, Lehnert, Matthew D., De Breuck, Carlos, Branchu, Steve, Dannerbauer, Helmut, Drouart, Guillaume, Emonts, Bjorn, Guillard, Pierre, Hatch, Nina, **Nesvadba, Nicole P. H.**, Omont, Alain, Seymour, Nick, and Vernet, Joëlle (2016), "ALMA finds dew drops in the dusty spider's web", *Astronomy and Astrophysics*, 591, A73

Planck Collaboration, (2016), "Planck intermediate results. XXXIX. The Planck list of high-redshift source candidates", *Astronomy and Astrophysics*, 596, A100

Malhotra, Sangeeta, Rhoads, James E., Finkelstein, K., Yang, Huan, Carilli, Chris, Combes, Françoise, Dassas, Karine, Finkelstein, Steven, Frye, Brenda, Gerin, Maryvonne, Guillard, Pierre, **Nesvadba, Nicole**, Rigby, Jane, Shin, Min-Su, Spaans, Marco, Strauss, Michael A., and Papovich, Casey (2017), "Herschel Extreme Lensing Line Observations: [CII] Variations in Galaxies at Redshifts $z=1-3$ ", *The Astrophysical Journal*, 835, 110

MacKenzie, Todd P., Scott, Douglas, Bianconi, Matteo, Clements, David L., Dole, Herve A., Flores-Cacho, Ines, Guery, David, Kneissl, Ruediger, Lagache, Guilaine, Marleau, Francine R., Montier, Ludovic, **Nesvadba, Nicole P. H.**, Pointecouteau, Etienne, and Soucail, Genevieve (2017), "SCUBA-2 follow-up of Herschel-SPIRE observed Planck overdensities", *Monthly Notices of the Royal Astronomical Society*, 468, 4006

Bicknell, Geoffrey V., Mukherjee, Dipanjan, Wagner, Alexander Y., Sutherland, Ralph S., and **Nesvadba, Nicole P. H.** (2018), "Relativistic jet feedback - II. Relationship to gigahertz peak spectrum and compact steep spectrum radio galaxies", *Monthly Notices of the Royal Astronomical Society*, 475, 3493

Mukherjee, Dipanjan, Wagner, Alexander Y., Bicknell, Geoffrey V., Morganti, Raffaella, Oosterloo, Tom, **Nesvadba, Nicole**, and Sutherland, Ralph S. (2018), "The jet-ISM interactions in IC 5063", *Monthly Notices of the Royal Astronomical Society*, 476, 80

Lelli, Federico, De Breuck, Carlos, Falkendal, Theresa, Fraternali, Filippo, Man, Allison W. S., **Nesvadba, Nicole P. H.**, and Lehnert, Matthew D. (2018), "Neutral versus ionized gas kinematics at $z \sim 2.6$: the AGN-host starburst galaxy PKS 0529-549", *Monthly Notices of the Royal Astronomical Society*, 479, 5440

Kneissl, Ruediger, Polletta, Maria del Carmen, Martinache, Clement, Hill, Ryley, Clarenc, Benjamin, Dole, Herve A., **Nesvadba, Nicole P. H.**, Scott, Douglas, Bethermin, Matthieu, Frye, Brenda, Giard, Martin, Lagache, Guilaine, and Montier, Ludovic (2018), "Using ALMA to resolve the nature of the early star-forming large-scale structure PLCK G073.4-57.5", *A&A submitted*, arXiv e-prints, arXiv:1804.06581

Zovaro, Henry R. M., Sharp, Robert, **Nesvadba, Nicole P. H.**, Bicknell, Geoffrey V., Mukherjee, Dipanjan, Wagner, Alexander Y., Groves, Brent, and Krishna, Shreyam (2018), "Jets blowing bubbles in the young radio galaxy 4C 31.04", *MNRAS accepted*, arXiv e-prints, arXiv:1811.08971