

Liste des publications

*Papier rédigé par un doctorant ou postdoc sous ma direction *Papier rédigé comme premier auteur.

2023

- * (1) Drevet-Mulard M., **Nesvadba, N. P. H.**, Meenakshi M, Mukherjee D., Wagner A., Bicknell G., Neumayer N., Combes F., Zovaro H., Janssen R., Bagchi J., Dabhade, P., Prunet S. (2023), « Star formation in a massive spiral galaxy with a radio-AGN », A&A, in press
- (2) Massaro, F., White, S. V., García-Pérez, A., Jimenez-Gallardo, A., Capetti, A., Cheung, C. C., Forman, W. R., Mazzucchelli, C., Paggi, A., **Nesvadba, N. P. H.**, Madrid, J. P., Andruchow, I., Cellone, S., Peña-Herazo, H. A., Grossová, R., Balmaverde, B., Sani, E., Chavushyan, V., Kraft, R. P., Reynaldi, V., & Leto, C. (2023), « Powerful Radio Sources in the Southern Sky. I. Optical Identifications », ApJS, 265, 32.
- (3) Veilleux, S., Liu, W., Vayner, A., Wylezalek, D., Rupke, D. S. N., Zakamska, N. L., Ishikawa, Y., Bertemes, C., Barrera-Ballesteros, J. K., Chen, H.-W., Diachenko, N., Goulding, A. D., Greene, J. E., Hainline, K. N., Hamann, F., Heckman, T., Johnson, S. D., Lim, H. X. G., Lutz, D., Lützgendorf, N., Mainieri, V., Maiolino, R., McCrory, R., Murphree, G., **Nesvadba, N. P. H.**, Ogle, P., Sankar, S., Sturm, E., & Whitesell, L., (2023), « First results from the JWST Early Release Science Program Q3D: The Warm Ionized Gas Outflow in $z \sim 1.6$ Quasar XID 2028 and its Impact on the Host Galaxy », ApJ submitted, arXiv arXiv:2303.08952.
- (4) Vayner, A., Zakamska, N. L., Ishikawa, Y., Sankar, S., Wylezalek, D., Rupke, D. S. N., Veilleux, S., Bertemes, C., Barrera-Ballesteros, J. K., Chen, H.-W., Diachenko, N., Goulding, A. D., Greene, J. E., Hainline, K. N., Hamann, F., Heckman, T., Johnson, S. D., Murphree, G., Lim, H. X. G., Liu, W., Lutz, D., Lützgendorf, N., McCrory, R., Mainieri, V., **Nesvadba, N. P. H.**, Ogle, P., Sturm, E., & Whitesell, L., (2023), « First results from the JWST Early Release Science Program Q3D: Ionization cone, clumpy star formation and shocks in a $z=3$ extremely red quasar host », arXiv:2303.06970.
- (5) Dicken, D., Tadhunter, C. N., **Nesvadba, N. P. H.**, Bernhard, E., Könyves, V., Morganti, R., Ramos Almeida, C., & Oosterloo, T. (2023), "Deep Herschel observations of the 2 Jy sample: assessing the non-thermal and AGN contributions to the far-IR continuum", MNRAS, 519, 5807.
- (6) Ouazzani, R.-M., Bot, C., Brau-Nogué, S., Briot, D., de Laverny, P., Lagarde, N., **Nesvadba, N.**, Malzac, J., Vauglin, I., & Venot, O. (2023), "Commission Femmes et Astronomie de la SF2A: Women participation in French astronomy", arXiv e-prints, arXiv:2301.03658.

2022

- (7) Wylezalek, D., Vayner, A., Rupke, D. S. N., Zakamska, N. L., Veilleux, S., Ishikawa, Y., Bertemes, C., Liu, W., Barrera-Ballesteros, J. K., Chen, H.-W., Goulding, A. D., Greene, J. E., Hainline, K. N., Hamann, F., Heckman, T., Johnson, S. D., Lutz, D., Lützgendorf, N., Mainieri, V., Maiolino, R., **Nesvadba, N. P. H.**, Ogle, P., & Sturm, E. (2022), "First Results from the JWST Early Release Science Program Q3D: Turbulent Times in the Life of a $z \sim 3$ Extremely Red Quasar Revealed by NIRSpec IFU", ApJL, 940, L7.
- (8) Meenakshi, M., Mukherjee, D., Wagner, A. Y., **Nesvadba, N. P. H.**, Morganti, R., Janssen, R. M. J., & Bicknell, G. V. (2022), "The extent of ionization in simulations of radio-loud AGNs impacting kpc gas discs", MNRAS, 511, 1622.
- (9) Zovaro, H. R. M., Riseley, C. J., Taylor, P., **Nesvadba, N. P. H.**, Galvin, T. J., Malik, U., & Kewley, L. J. (2022), "Revisiting the giant radio galaxy ESO 422-G028 - I. Discovery of a neutral inflow and recent star formation in a restarted giant", MNRAS, 509, 4997.

2021

(10) Mandal, A., Mukherjee, D., Federrath, C., **Nesvadba, N. P. H.**, Bicknell, G. V., Wagner, A. Y., & Meenakshi, M. (2021), "Impact of relativistic jets on the star formation rate: a turbulence-regulated framework", *MNRAS*, 508, 4738.

(11) **Nesvadba, N. P. H.**, Wagner, A. Y., Mukherjee, D., Mandal, A., Janssen, R. M. J., Zovaro, H., Neumayer, N., Bagchi, J., & Bicknell, G. (2021), "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, A8.

* (12) Cañameras, R., **Nesvadba, N. P. H.**, Kneissl, R., König, S., Yang, C., Beelen, A., Hill, R., Le Floc'h, E., & Scott, D. (2021), "Planck's Dusty GEMS. VIII. Dense-gas reservoirs in the most active dusty starbursts at $z \sim 3$ ", *A&A*, 645, A45.

2020

* (13) Zovaro, H. R. M., Sharp, R., **Nesvadba, N. P. H.**, Kewley, L., Sutherland, R., Taylor, P., Groves, B., Wagner, A. Y., Mukherjee, D., & Bicknell, G. V. (2020), "Unravelling the enigmatic ISM conditions in Minkowski's object", *MNRAS*, 499, 4940.

(14) Rose, T., 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. (2020), "A molecular absorption line survey towards the AGN of Hydra-A", *MNRAS*, 496, 364.

(15) **Nesvadba, N. P. H.**, Bicknell, G. V., Mukherjee, D., & Wagner, A. Y. (2020), "Gas, dust, and star formation in the positive AGN feedback candidate 4C 41.17 at $z = 3.8$ ", *A&A*, 639, L13.

(16) Boccaletti, A., Chauvin, G., Mouillet, D., Absil, O., Allard, F., Antonucci, S., Augereau, J.-C., Barge, P., Baruffolo, A., Baudino, J.-L., Baudoz, P., Beaulieu, M., Benisty, M., Beuzit, J.-L., Bianco, A., Biller, B., Bonavita, B., Bonnefoy, M., Bos, S., Bouret, J.-C., Brandner, W., Buchschache, N., Carry, B., Cantalloube, F., Cascone, E., Carlotti, A., Charnay, B., Chiavassa, A., Choquet, E., Clenet, Y., Crida, A., De Boer, J., De Caprio, V., Desidera, S., Desert, J.-M., Delisle, J.-B., Delorme, P., Dohlen, K., Doelman, D., Dominik, C., Orazi, V. D., Dougados, C., Doute, S., Fedele, D., Feldt, M., Ferreira, F., Fontanive, C., Fusco, T., Galicher, R., Garufi, A., Gendron, E., Ghedina, A., Ginski, C., Gonzalez, J.-F., Gratadour, D., Gratton, R., Guillot, T., Haffert, S., Hagelberg, J., Henning, T., Huby, E., Janson, M., Kamp, I., Keller, C., Kenworthy, M., Kervella, P., Kral, Q., Kuhn, J., Lagadec, E., Laibe, G., Langlois, M., Lagrange, A.-M., Launhardt, R., Leboulleux, L., Le Coroller, H., Li Causi, G., Loupias, M., Maire, A. L., Marleau, G., Martinache, F., Martinez, P., Mary, D., Mattioli, M., Mazoyer, J., Meheut, H., Menard, F., Mesa, D., Meunier, N., Miguel, Y., Milli, J., Min, M., Molliere, P., Mordasini, C., Moretto, G., Mugnier, L., Muro Arena, G., Nardetto, N., Diaye, M. N., **Nesvadba, N.**, Pedichini, F., Pinilla, P., Por, E., Potier, A., Quanz, S., Rameau, J., Roelfsema, R., Rouan, D., Rigliaco, E., Salasnich, B., Samland, M., Sauvage, J.-F., Schmid, H.-M., Segransan, D., Snellen, I., Snik, F., Soulez, F., Stadler, E., Stam, D., Tallon, M., Thebault, P., Thiebaut, E., Tschudi, C., Udry, S., van Holstein, R., Vernazza, P., Vidal, F., Vigan, A., Waters, R., Wildi, F., Willson, M., Zanutta, A., Zavagno, A., & Zurlo, A. (2020), "SPHERE+: Imaging young Jupiters down to the snowline", *arXiv e-prints*, arXiv:2003.05714.

2019

* (17) (1) Zovaro, H. R. M., **Nesvadba, N. P. H.**, Sharp, R., Bicknell, G. V., Groves, B., Mukherjee, D., & Wagner, A. Y. (2019), "Searching for signs of jet-driven negative feedback in the nearby radio galaxy UGC 05771", *Monthly Notices of the Royal Astronomical Society*, 489, 4944.

(18) Rose, T., Edge, A. C., Combes, F., Gaspari, M., Hamer, S., **Nesvadba, N.**, Peck, A. B., Sarazin, C., Tremblay, G. R., Baum, S. A., Bremer, M. N., McNamara, B. R., O'Dea, C., Oonk, J. B. R., Russell, H., Salomé, P., Donahue, M., Fabian, A. C., Ferland, G., Mittal, R., & Vantyghem, A. (2019), "Constraining cold

accretion on to supermassive black holes: molecular gas in the cores of eight brightest cluster galaxies revealed by joint CO and CN absorption", *Monthly Notices of the Royal Astronomical Society*, 489, 349.

(19) Rose, T., Edge, A. C., Combes, F., Gaspari, M., Hamer, S., **Nesvadba, N.**, Russell, H., Tremblay, G. R., Baum, S. A., O'Dea, C., Peck, A. B., Sarazin, C., Vantyghem, A., Bremer, M., Donahue, M., Fabian, A. C., Ferland, G., McNamara, B. R., Mittal, R., Oonk, J. B. R., Salomé, P., Swinbank, A. M., & Voit, M. (2019), "Deep and narrow CO absorption revealing molecular clouds in the Hydra-A brightest cluster galaxy", *Monthly Notices of the Royal Astronomical Society*, 485, 229.

(20) Kneissl, R., del Carmen Polletta, M., Martinache, C., Hill, R., Clarenc, B., Dole, H. A., **Nesvadba, N. P. H.**, Scott, D., Béthermin, M., Frye, B., Giard, M., Lagache, G., & Montier, L. (2019), "Using ALMA to resolve the nature of the early star-forming large-scale structure PLCK G073.4-57.5", *Astronomy and Astrophysics*, 625, A96.

* (21) Zovaro, H. R. M., Sharp, R., **Nesvadba, N. P. H.**, Bicknell, G. V., Mukherjee, D., Wagner, A. Y., Groves, B., & Krishna, S. (2019), "Jets blowing bubbles in the young radio galaxy 4C 31.04", *Monthly Notices of the Royal Astronomical Society*, 484, 3393.

* (22) **Nesvadba, N. P. H.**, Cañameras, R., Kneissl, R., Koenig, S., Yang, C., Le Floc'h, E., Omont, A., & Scott, D. (2019), "Planck's Dusty GEMS. VII. Atomic carbon and molecular gas in dusty starburst galaxies at $z = 2$ to 4", *Astronomy and Astrophysics*, 624, A23.

(23) Falkendal, T., De Breuck, C., Lehnert, M. D., Drouart, G., Vernet, J., Emonts, B., Lee, M., **Nesvadba, N. P. H.**, Seymour, N., Béthermin, M., Kolwa, S., Gullberg, B., & Wylezalek, D. (2019), "Massive galaxies on the road to quenching: ALMA observations of powerful high redshift radio galaxies", *Astronomy and Astrophysics*, 621, A27.

2018

* (24) Cañameras, R., Yang, C., **Nesvadba, N. P. H.**, Beelen, A., Kneissl, R., Koenig, S., Le Floc'h, E., Limousin, M., Malhotra, S., Omont, A., & 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.

* (25) Cañameras, R., **Nesvadba, N. P. H.**, Limousin, M., Dole, H., Kneissl, R., Koenig, S., Le Floc'h, E., Petitpas, G., & 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.

(26) Lelli, F., De Breuck, C., Falkendal, T., Fraternali, F., Man, A. W. S., **Nesvadba, N. P. H.**, & Lehnert, M. D. (2018), "Neutral versus ionized gas kinematics at $z \approx 2.6$: the AGN-host starburst galaxy PKS 0529-549", *Monthly Notices of the Royal Astronomical Society*, 479, 5440.

(27) Mukherjee, D., Wagner, A. Y., Bicknell, G. V., Morganti, R., Oosterloo, T., **Nesvadba, N.**, & Sutherland, R. S. (2018), "The jet-ISM interactions in IC 5063", *Monthly Notices of the Royal Astronomical Society*, 476, 80.

(28) Bicknell, G. V., Mukherjee, D., Wagner, A. Y., Sutherland, R. S., & **Nesvadba, N. 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.

2017

* (29) Cañameras, R., **Nesvadba, N.**, Kneissl, R., Frye, B., Gavazzi, R., Koenig, S., Le Floc'h, E., Limousin, M., Oteo, I., & 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.

(30) MacKenzie, T. P., Scott, D., Bianconi, M., Clements, D. L., Dole, H. A., Flores-Cacho, I., Guery, D., Kneissl, R., Lagache, G., Marleau, F. R., Montier, L., **Nesvadba, N. P. H.**, Pointecouteau, E., & Soucail, G. (2017), "SCUBA-2 follow-up of Herschel-SPIRE observed Planck overdensities", *Monthly Notices of the Royal Astronomical Society*, 468, 4006.

* (31) Cañameras, R., **Nesvadba, N. P. H.**, Kneissl, R., Limousin, M., Gavazzi, R., Scott, D., Dole, H., Frye, B., Koenig, S., Le Floch, E., & 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.

* (32) **Nesvadba, N. P. H.**, Drouart, G., De Breuck, C., Best, P., Seymour, N., & 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.

* (33) **Nesvadba, N. P. H.**, De Breuck, C., Lehnert, M. D., Best, P. N., & 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.

(34) Acero, F., Acquaviva, J.-T., Adam, R., Aghanim, N., Allen, M., Alves, M., Ammanouil, R., Ansari, R., Araudo, A., Armengaud, E., Ascaso, B., Athanassoula, E., Aubert, D., Babak, S., Bacmann, A., Banday, A., Barriere, K., Bellosi, F., Bernard, J.-P., Bernardini, M. G., Béthermin, M., Blanc, E., Blanchet, L., Bobin, J., Boissier, S., Boisson, C., Boselli, A., Bosma, A., Bosse, S., Bottinelli, S., Boulanger, F., Boyer, R., Bracco, A., Briand, C., Bucher, M., Buat, V., Cambresy, L., Caillat, M., Casandjian, J.-M., Caux, E., Célestine, S., Cerruti, M., Charlot, P., Chassande-Mottin, E., Chaty, S., Christensen, N., Ciesla, L., Clerc, N., Cohen-Tanugi, J., Cognard, I., Combes, F., Comis, B., Corbel, S., Cordier, B., Coriat, M., Courtin, R., Courtois, H., Da Silva, B., Daddi, E., Dallier, R., Dartois, E., Demyk, K., Denis, J.-M., Denis, L., Djannati-Ataï, A., Donati, J.-F., Douspis, M., van Driel, W., El Korso, M. N., Falgarone, E., Fantina, A., Farges, T., Ferrari, A., Ferrari, C., Ferrière, K., Flamary, R., Gac, N., Gauffre, S., Genova, F., Girard, J., Grenier, I., Griessmeier, J.-M., Guillard, P., Guillemot, L., Gulminelli, F., Gusdorf, A., Habart, E., Hammer, F., Hennebelle, P., Herpin, F., Hervet, O., Hughes, A., Ilbert, O., Janvier, M., Josselin, E., Julier, A., Lachaud, C., Lagache, G., Lallement, R., Lambert, S., Lamy, L., Langer, M., Larzabal, P., Lavaux, G., Le Bertre, T., Le Fèvre, O., Le Tiec, A., Lefloch, B., Lehnert, M., Lemoine-Goumard, M., Levrier, F., Limousin, M., Lis, D., López-Sepulcre, A., Macias-Perez, J., Magneville, C., Marcowith, A., Margueron, J., Marquette, G., Marshall, D., Martin, L., Mary, D., Masson, S., Maurogordato, S., Mazauric, C., Mellier, Y., Miville-Deschênes, M.-A., Montier, L., Mottez, F., Mourard, D., **Nesvadba, N.**, Nezan, J.-F., Noterdaeme, P., Novak, J., Ocirk, P., Oertel, M., Olive, X., Ollier, V., Palanque-Delabrouille, N., Pandey-Pommier, M., Pennec, Y., Pérault, M., Peroux, C., Petit, P., Pétri, J., Petiteau, A., Pety, J., Pratt, G. W., Puech, M., Quertier, B., Raffin, E., Rakotozafy Harison, S., Rawson, S., Renaud, M., Revenu, B., Richard, C., Richard, J., Rincon, F., Ristorcelli, I., Rodriguez, J., Schultheis, M., Schimid, C., Semelin, B., Sol, H., Starck, J.-L., Tagger, M., Tasse, C., Theureau, G., Torchinsky, S., Vastel, C., Vergani, S. D., Verstraete, L., Vigouroux, X., Vilmer, N., Vilotte, J.-P., Webb, N., Ysard, N., & Zarka, P. (2017) "French SKA White Book - The French Community towards the Square Kilometre Array", arXiv e-prints, arXiv:1712.06950

(35) Malhotra, S., Rhoads, J. E., Finkelstein, K., Yang, H., Carilli, C., Combes, F., Dassas, K., Finkelstein, S., Frye, B., Gerin, M., Guillard, P., **Nesvadba, N.**, Rigby, J., Shin, M.-S., Spaans, M., Strauss, M. A., & Papovich, C. (2017), "Herschel Extreme Lensing Line Observations: [CII] Variations in Galaxies at Redshifts $z=1-3$ ", *The Astrophysical Journal*, 835, 110.

2016

* (36) **Nesvadba, N.**, Kneissl, R., Cañameras, R., Boone, F., Falgarone, E., Frye, B., Gerin, M., Koenig, S., Lagache, G., Le Floch, E., Malhotra, S., & 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.

(37) Gullberg, B., Lehnert, M. D., De Breuck, C., Branchu, S., Dannerbauer, H., Drouart, G., Emonts, B., Guillard, P., Hatch, N., **Nesvadba, N. P. H.**, Omont, A., Seymour, N., & Vernet, J. (2016), "ALMA finds dew drops in the dusty spider's web", *Astronomy and Astrophysics*, 591, A73.

- (38) 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., & 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.
- (39) Zakamska, N. L., Lampayan, K., Petric, A., Dicken, D., Greene, J. E., Heckman, T. M., Hickox, R. C., Ho, L. C., Krolik, J. H., **Nesvadba, N. P. H.**, Strauss, M. A., Geach, J. E., Oguri, M., & Strateva, I. 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.
- * (40) Collet, C., **Nesvadba, N. P. H.**, De Breuck, C., Lehnert, M. D., Best, P., Bryant, J. J., Hunstead, R., Dicken, D., & 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.
- (41) Gullberg, B., De Breuck, C., Lehnert, M. D., Vernet, J., Bacon, R., Drouart, G., Emonts, B., Galametz, A., Ivison, R., **Nesvadba, N. P. H.**, Richard, J., Seymour, N., Stern, D., & Wylezalek, D. (2016), "The mysterious morphology of MRC0943-242 as revealed by ALMA and MUSE", *Astronomy and Astrophysics*, 586, A124.
- (42) Welikala, N., Béthermin, 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., Doré, O., Everett, W., Flores-Cacho, I., Gonzalez, A. H., González-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., & Weiß, 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.
- (43) Flores-Cacho, I., Pierini, D., Soucail, G., Montier, L., Dole, H., Pointecouteau, E., Pelló, R., Le Floc'h, E., **Nesvadba, N.**, Lagache, G., Guery, D., & Cañameras, R. (2016), "Multi-wavelength characterisation of $z \sim 2$ clustered, dusty star-forming galaxies discovered by Planck", *Astronomy and Astrophysics*, 585, A54.

2015

- (44) Emonts, B. H. C., De Breuck, C., Lehnert, M. D., Vernet, J., Gullberg, B., Villar-Martín, M., **Nesvadba, N.**, Drouart, G., Ivison, R., Seymour, N., Wylezalek, D., & 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.
- (45) 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.
- * (46) Cañameras, R., **Nesvadba, N. P. H.**, Guery, D., McKenzie, T., König, 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., Béthermin, 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., & Yan, L. (2015), "Planck's dusty GEMS: The brightest gravitationally lensed galaxies discovered with the Planck all-sky survey", *Astronomy and Astrophysics*, 581, A105.
- (47) Planck Collaboration, (2015), "Planck 2013 results. XXXII. The updated Planck catalogue of Sunyaev-Zeldovich sources", *Astronomy and Astrophysics*, 581, A14.
- * (48) Collet, C., **Nesvadba, N. P. H.**, De Breuck, C., Lehnert, M. D., Best, P., Bryant, J. J., Dicken, D., Johnston, H., Hunstead, R., & 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.

(49) Rowlands, K., Wild, V., **Nesvadba, N.**, Sibthorpe, B., Mortier, A., Lehnert, M., & 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.

2014

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

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

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

(53) Sun, A.-L., Greene, J. E., Zakamska, N. L., & **Nesvadba, N. P. H.** (2014), "ALMA Observations of a Candidate Molecular Outflow in an Obscured Quasar", *The Astrophysical Journal*, 790, 160.

(54) 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., & 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.

(55) 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., Röttgering, H. J. A., Stern, D., & 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.

* (56) Shirazi, M., Vegetti, S., **Nesvadba, N.**, Allam, S., Brinchmann, J., & 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.

(57) Rhoads, J. E., Malhotra, S., Allam, S., Carilli, C., Combes, F., Finkelstein, K., Finkelstein, S., Frye, B., Gerin, M., Guillard, P., **Nesvadba, N.**, Rigby, J., Spaans, M., & Strauss, M. A. (2014), "Herschel Extreme Lensing Line Observations: Dynamics of Two Strongly Lensed Star-forming Galaxies near Redshift $z = 2$ ", *The Astrophysical Journal*, 787, 8.

(58) 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. P. H.**, O'Dea, C. P., Baum, S. A., Salomé, P., Tremblay, G., Donahue, M., Ferland, G. J., & Sarazin, C. L. (2014), "Cold gas dynamics in Hydra-A: evidence for a rotating disc", *Monthly Notices of the Royal Astronomical Society*, 437, 862.

2013

(59) Liu, G., Zakamska, N. L., Greene, J. E., **Nesvadba, N. P. H.**, & Liu, X. (2013), "Observations of feedback from radio-quiet quasars - II. Kinematics of ionized gas nebulae", *Monthly Notices of the Royal Astronomical Society*, 436, 2576.

(60) Overzier, R. A., **Nesvadba, N. P. H.**, Dijkstra, M., Hatch, N. A., Lehnert, M. D., Villar-Martín, M., Wilman, R. J., & Zirm, A. W. (2013), "Resolving the Optical Emission Lines of Ly α Blob "B1" at $z = 2.38$: Another Hidden Quasar", *The Astrophysical Journal*, 771, 89.

- (61) Lehnert, M. D., Le Tiran, L., **Nesvadba, N. P. H.**, van Driel, W., Boulanger, F., & Di Matteo, P. (2013), "On the self-regulation of intense star-formation in galaxies at $z = 1-3$ ", *Astronomy and Astrophysics*, 555, A72.
- (62) Liu, G., Zakamska, N. L., Greene, J. E., **Nesvadba, N. P. H.**, & Liu, X. (2013), "Observations of feedback from radio-quiet quasars - I. Extents and morphologies of ionized gas nebulae", *Monthly Notices of the Royal Astronomical Society*, 430, 2327.
- (63) Rocca-Volmerange, B., Drouart, G., De Breuck, C., Vernet, J., Seymour, N., Wylezalek, D., Lehnert, M., **Nesvadba, N.**, & Fioc, M. (2013), "Starburst and old stellar populations in the $z \approx 3.8$ radio galaxies 4C 41.17 and TN J2007-1316", *Monthly Notices of the Royal Astronomical Society*, 429, 2780.
- (64) Rawlings, J. I., Seymour, N., Page, M. J., De Breuck, C., Stern, D., Symeonidis, M., Appleton, P. N., Dey, A., Dickinson, M., Huynh, M., Le Floch, E., Lehnert, M., Mullaney, J. R., **Nesvadba, N.**, Ogle, P., Sajina, A., Vernet, J., & Zirm, A. (2013), "Polycyclic aromatic hydrocarbon emission in powerful high-redshift radio galaxies", *Monthly Notices of the Royal Astronomical Society*, 429, 744.
- (65) Wylezalek, D., Vernet, J., De Breuck, C., Stern, D., Galametz, A., Seymour, N., Jarvis, M., Barthel, P., Drouart, G., Greve, T. R., Haas, M., Hatch, N., Ivison, R., Lehnert, M., Meisenheimer, K., Miley, G., **Nesvadba, N.**, Röttgering, H. J. A., & Stevens, J. A. (2013), "The Herschel view of the environment of the radio galaxy 4C+41.17 at $z = 3.8$ ", *Monthly Notices of the Royal Astronomical Society*, 428, 3206.

2012

- (66) Harrison, C. M., Alexander, D. M., Swinbank, A. M., Smail, I., Alaghband-Zadeh, S., Bauer, F. E., Chapman, S. C., Del Moro, A., Hickox, R. C., Ivison, R. J., Menéndez-Delmestre, K., Mullaney, J. R., & **Nesvadba, N. P. H.** (2012), "Energetic galaxy-wide outflows in high-redshift ultraluminous infrared galaxies hosting AGN activity", *Monthly Notices of the Royal Astronomical Society*, 426, 1073.
- (67) Ivison, R. J., Smail, I., Amblard, A., Arumugam, V., De Breuck, C., Emonts, B. H. C., Feain, I., Greve, T. R., Haas, M., Ibar, E., Jarvis, M. J., Kovács, A., Lehnert, M. D., **Nesvadba, N. P. H.**, Röttgering, H. J. A., Seymour, N., & Wylezalek, D. (2012), "Gas-rich mergers and feedback are ubiquitous amongst starbursting radio galaxies, as revealed by the VLA, IRAM PdBI and Herschel", *Monthly Notices of the Royal Astronomical Society*, 425, 1320.
- (68) Seymour, N., Altieri, B., De Breuck, C., Barthel, P., Coia, D., Conversi, L., Dannerbauer, H., Dey, A., Dickinson, M., Drouart, G., Galametz, A., Greve, T. R., Haas, M., Hatch, N., Ibar, E., Ivison, R., Jarvis, M., Kovács, A., Kurk, J., Lehnert, M., Miley, G., **Nesvadba, N.**, Rawlings, J. I., Rettura, A., Röttgering, H., Rocca-Volmerange, B., Sánchez-Portal, M., Santos, J. S., Stern, D., Stevens, J., Valtchanov, I., Vernet, J., & Wylezalek, D. (2012), "Rapid Coeval Black Hole and Host Galaxy Growth in MRC 1138-262: The Hungry Spider", *The Astrophysical Journal*, 755, 146.
- (69) Dicken, D., Tadhunter, C., Axon, D., Morganti, R., Robinson, A., Kouwenhoven, M. B. N., Spoon, H., Kharb, P., Inskip, K. J., Holt, J., Ramos Almeida, C., & **Nesvadba, N. P. H.** (2012), "Spitzer Mid-IR Spectroscopy of Powerful 2 Jy and 3CRR Radio Galaxies. I. Evidence against a Strong Starburst-AGN Connection in Radio-loud AGN", *The Astrophysical Journal*, 745, 172.
- (70) Herrera, C. N., Boulanger, F., **Nesvadba, N. P. H.**, & Falgarone, E. (2012), "ALMA CO and VLT/SINFONI H2 observations of the Antennae overlap region: mass and energy dissipation", *Astronomy and Astrophysics*, 538, L9.
- (71) Habertzettl, L., Williger, G., Lehnert, M. D., **Nesvadba, N.**, & Davies, L. (2012), "GALEX-selected Lyman Break Galaxies at $z \sim 2$: Comparison with Other Populations", *The Astrophysical Journal*, 745, 96.

2011

* (72) **Nesvadba, N. P. H.**, Boulanger, F., Lehnert, M. D., Guillard, P., & Salomé, P. (2011), "Dense gas without star formation: the kpc-sized turbulent molecular disk in 3C 326 N", *Astronomy and Astrophysics*, 536, L5.

(73) Le Tiran, L., Lehnert, M. D., van Driel, W., **Nesvadba, N. P. H.**, & Di Matteo, P. (2011), "The average optical spectra of intense starbursts at $z \sim 2$: outflows and the pressurization of the ISM", *Astronomy and Astrophysics*, 534, L4.

(74) Herrera, C. N., Boulanger, F., & **Nesvadba, N. P. H.** (2011), "From large scale gas compression to cluster formation in the Antennae overlap region", *Astronomy and Astrophysics*, 534, A138.

(75) Polletta, M., **Nesvadba, N. P. H.**, Neri, R., Omont, A., Berta, S., & Bergeron, J. (2011), "Disk, merger, or outflow? Molecular gas kinematics in two powerful obscured QSOs at $z \geq 3.4$ ", *Astronomy and Astrophysics*, 533, A20.

* (76) **Nesvadba, N. P. H.**, Polletta, M., Lehnert, M. D., Bergeron, J., De Breuck, C., Lagache, G., & Omont, A. (2011), "The dynamics of the ionized and molecular interstellar medium in powerful obscured quasars at $z \geq 3.65$ ", *Monthly Notices of the Royal Astronomical Society*, 415, 2359.

(77) Kuiper, E., Hatch, N. A., Miley, G. K., **Nesvadba, N. P. H.**, Röttgering, H. J. A., Kurk, J. D., Lehnert, M. D., Overzier, R. A., Pentericci, L., Schaye, J., & Venemans, B. P. (2011), "A SINFONI view of filaments in the Spiderweb: a galaxy cluster in the making", *Monthly Notices of the Royal Astronomical Society*, 415, 2245.

(78) Lehnert, M. D., Tasse, C., **Nesvadba, N. P. H.**, Best, P. N., & van Driel, W. (2011), "The Na D profiles of nearby low-power radio sources: jets powering outflows", *Astronomy and Astrophysics*, 532, L3.

(79) Le Tiran, L., Lehnert, M. D., Di Matteo, P., **Nesvadba, N. P. H.**, & van Driel, W. (2011), "Can evidence for cosmological accretion be observed in the H α emission from galaxies at $z \sim 2$?", *Astronomy and Astrophysics*, 530, L6.

* (80) **Nesvadba, N. P. H.**, De Breuck, C., Lehnert, M. D., Best, P. N., Binette, L., & Proga, D. (2011), "The black holes of radio galaxies during the "Quasar Era": masses, accretion rates, and evolutionary stage", *Astronomy and Astrophysics*, 525, A43.

2010

(81) Ogle, P., Boulanger, F., Guillard, P., Evans, D. A., Antonucci, R., Appleton, P. N., **Nesvadba, N.**, & Leipski, C. (2010), "Jet-powered Molecular Hydrogen Emission from Radio Galaxies", *The Astrophysical Journal*, 724, 1193.

(82) **Lehnert, M. D.**, Nesvadba, N. P. H., Cuby, J.-G., Swinbank, A. M., Morris, S., Clément, B., Evans, C. J., Bremer, M. N., & Basa, S. (2010), "Spectroscopic confirmation of a galaxy at redshift $z = 8.6$ ", *Nature*, 467, 940.

* (83) **Nesvadba, N. P. H.**, Boulanger, F., Salomé, P., Guillard, P., Lehnert, M. D., Ogle, P., Appleton, P., Falgarone, E., & Pineau Des Forets, G. (2010), "Energetics of the molecular gas in the H₂ luminous radio galaxy 3C 326: Evidence for negative AGN feedback", *Astronomy and Astrophysics*, 521, A65.

(84) Alexander, D. M., Swinbank, A. M., Smail, I., McDermid, R., & **Nesvadba, N. P. H.** (2010), "Searching for evidence of energetic feedback in distant galaxies: a galaxy wide outflow in a $z \sim 2$ ultraluminous infrared galaxy", *Monthly Notices of the Royal Astronomical Society*, 402, 2211.

2009

(85) Förster Schreiber, N. M., Genzel, R., Bouché, N., Cresci, G., Davies, R., Buschkamp, P., Shapiro, K., Tacconi, L. J., Hicks, E. K. S., Genel, S., Shapley, A. E., Erb, D. K., Steidel, C. C., Lutz, D., Eisenhauer, F., Gillessen, S., Sternberg, A., Renzini, A., Cimatti, A., Daddi, E., Kurk, J., Lilly, S., Kong, X., Lehnert, M. D.,

Nesvadba, N., Verma, A., McCracken, H., Arimoto, N., Mignoli, M., & Onodera, M. (2009), "The SINS Survey: SINFONI Integral Field Spectroscopy of $z \sim 2$ Star-forming Galaxies", *The Astrophysical Journal*, 706, 1364.

(86) Lehnert, M. D., **Nesvadba, N. P. H.**, Le Tiran, L., Di Matteo, P., van Driel, W., Douglas, L. S., Chemin, L., & Bournaud, F. (2009), "Physical Conditions in the Interstellar Medium of Intensely Star-Forming Galaxies at Redshift ~ 2 ", *The Astrophysical Journal*, 699, 1660.

* (87) **Nesvadba, N. P. H.**, Neri, R., De Breuck, C., Lehnert, M. D., Downes, D., Walter, F., Omont, A., Boulanger, F., & Seymour, N. (2009), "CO line emission in the halo of a radio galaxy at $z = 2.6$ ", *Monthly Notices of the Royal Astronomical Society*, 395, L16.

2008

(88) Rodrigues, M., Hammer, F., Flores, H., Puech, M., Liang, Y. C., Fuentes-Carrera, I., **Nesvadba, N.**, Lehnert, M., Yang, Y., Amram, P., Balkowski, C., Cesarsky, C., Dannerbauer, H., Delgado, R., Guiderdoni, B., Kembhavi, A., Neichel, B., Östlin, G., Pozzetti, L., Ravikumar, C. D., Rawat, A., di Serego Alighieri, S., Vergani, D., Vernet, J., & Wozniak, H. (2008), "IMAGES IV: strong evolution of the oxygen abundance in gaseous phases of intermediate mass galaxies from $z \sim 0.8$ ", *Astronomy and Astrophysics*, 492, 371.

* (89) **Nesvadba, N. P. H.**, Lehnert, M. D., De Breuck, C., Gilbert, A. M., & van Breugel, W. (2008), "Evidence for powerful AGN winds at high redshift: dynamics of galactic outflows in radio galaxies during the ``Quasar Era'', *Astronomy and Astrophysics*, 491, 407.

(90) Bournaud, F., Daddi, E., Elmegreen, B. G., Elmegreen, D. M., **Nesvadba, N.**, Vanzella, E., Di Matteo, P., Le Tiran, L., Lehnert, M., & Elbaz, D. (2008), "Observations and modeling of a clumpy galaxy at $z = 1.6$. Spectroscopic clues to the origin and evolution of chain galaxies", *Astronomy and Astrophysics*, 486, 741.

(91) Puech, M., Flores, H., Hammer, F., Yang, Y., Neichel, B., Lehnert, M., Chemin, L., **Nesvadba, N.**, Epinat, B., Amram, P., Balkowski, C., Cesarsky, C., Dannerbauer, H., di Serego Alighieri, S., Fuentes-Carrera, I., Kembhavi, B. A., Liang, Y. C., Östlin, G., Pozzetti, L., Ravikumar, C. D., Rawat, A., Vergani, D., Vernet, J., Wozniak, H., Delgado, R., & Rodrigues, M. (2008), "IMAGES: a unique view of the galaxy mass assembly since $z=1$ ", *Gas and Stars in Galaxies - A Multi-Wavelength 3D Perspective*, 69.

(92) Puech, M., Flores, H., Hammer, F., Yang, Y., Neichel, B., Lehnert, M., Chemin, L., **Nesvadba, N.**, Epinat, B., Amram, P., Balkowski, C., Cesarsky, C., Dannerbauer, H., di Serego Alighieri, S., Fuentes-Carrera, I., Guiderdoni, B., Kembhavi, A., Liang, Y. C., Östlin, G., Pozzetti, L., Ravikumar, C. D., Rawat, A., Vergani, D., Vernet, J., & Wozniak, H. (2008), "IMAGES. III. The evolution of the near-infrared Tully-Fisher relation over the last 6 Gyr", *Astronomy and Astrophysics*, 484, 173.

(93) Neichel, B., Hammer, F., Puech, M., Flores, H., Lehnert, M., Rawat, A., Yang, Y., Delgado, R., Amram, P., Balkowski, C., Cesarsky, C., Dannerbauer, H., Fuentes-Carrera, I., Guiderdoni, B., Kembhavi, A., Liang, Y. C., **Nesvadba, N.**, Östlin, G., Pozzetti, L., Ravikumar, C. D., di Serego Alighieri, S., Vergani, D., Vernet, J., & Wozniak, H. (2008), "IMAGES. II. A surprisingly low fraction of undisturbed rotating spiral disks at $z \sim 0.6$ The morpho-kinematical relation 6 Gyr ago", *Astronomy and Astrophysics*, 484, 159.

* (94) **Nesvadba, N. P. H.**, Lehnert, M. D., Davies, R. I., Verma, A., & Eisenhauer, F. (2008), "Integral-field spectroscopy of a Lyman-break galaxy at $z = 3.2$: evidence for merging", *Astronomy and Astrophysics*, 479, 67.

(95) Yang, Y., Flores, H., Hammer, F., Neichel, B., Puech, M., **Nesvadba, N.**, Rawat, A., Cesarsky, C., Lehnert, M., Pozzetti, L., Fuentes-Carrera, I., Amram, P., Balkowski, C., Dannerbauer, H., di Serego Alighieri, S., Guiderdoni, B., Kembhavi, A., Liang, Y. C., Östlin, G., Ravikumar, C. D., Vergani, D., Vernet, J., & Wozniak, H. (2008), "IMAGES. I. Strong evolution of galaxy kinematics since $z = 1$ ", *Astronomy and Astrophysics*, 477, 789.

2007

(96) Bouché, N., Cresci, G., Davies, R., Eisenhauer, F., Förster Schreiber, N. M., Genzel, R., Gillessen, S., Lehnert, M., Lutz, D., **Nesvadba, N.**, Shapiro, K. L., Sternberg, A., Tacconi, L. J., Verma, A., Cimatti, A., Daddi, E., Renzini, A., Erb, D. K., Shapley, A., & Steidel, C. C. (2007), "Dynamical Properties of $z \sim 2$ Star-forming Galaxies and a Universal Star Formation Relation", *The Astrophysical Journal*, 671, 303.

* (97) **Nesvadba, N. P. H.**, Lehnert, M. D., De Breuck, C., Gilbert, A., & van Breugel, W. (2007), "Compact radio sources and jet-driven AGN feedback in the early universe: constraints from integral-field spectroscopy", *Astronomy and Astrophysics*, 475, 145.

* (98) **Nesvadba, N. P. H.**, Lehnert, M. D., Genzel, R., Eisenhauer, F., Baker, A. J., Seitz, S., Davies, R., Lutz, D., Tacconi, L., Tecza, M., Bender, R., & Abuter, R. (2007), "Intense Star Formation and Feedback at High Redshift: Spatially Resolved Properties of the $z = 2.6$ Submillimeter Galaxy SMM J14011+0252", *The Astrophysical Journal*, 657, 725.

2006

* (99) **Nesvadba, N. P. H.**, & Lehnert, M. D. (2007), "Powerful Radio Galaxies at $z=2-3$: Signposts of AGN Feedback in the Early Universe", *Heating versus Cooling in Galaxies and Clusters of Galaxies*, 416.
Nesvadba, N. P. H., Lehnert, M. D., Eisenhauer, F., Gilbert, A., Tecza, M., & Abuter, R. (2006), "Extreme Gas Kinematics in the $z=2.2$ Powerful Radio Galaxy MRC 1138-262: Evidence for Efficient Active Galactic Nucleus Feedback in the Early Universe?", *The Astrophysical Journal*, 650, 693.

* (100) **Nesvadba, N. P. H.**, Lehnert, M. D., Eisenhauer, F., Genzel, R., Seitz, S., Davies, R. I., Saglia, R. P., Lutz, D., Tacconi, L., Bender, R., & Abuter, R. (2006), "Lyman Break Galaxies under a Microscope: The Small-Scale Dynamics and Mass of an Arc in the Cluster 1E 0657-56", *The Astrophysical Journal*, 650, 661.

(101) Förster Schreiber, N. M., Genzel, R., Eisenhauer, F., Lehnert, M. D., Tacconi, J. J., **Nesvadba, N.**, Bouché, N., Davies, R., Lutz, D., Verma, A., Cimatti, A., Erb, D. K., Shapley, A. E., Steidel, C. C., Daddi, E., Renzini, A., Kong, X., Arimoto, N., Mignoli, M., Abuter, R., Gillessen, S., Sternberg, A., & Gilbert, A. (2006), "The SINS Survey: Rotation Curves and Dynamical Evolution of Distant Galaxies with SINFONI", *The Messenger*, 125, 11.

(102) Genzel, R., Tacconi, L. J., Eisenhauer, F., Förster Schreiber, N. M., Cimatti, A., Daddi, E., Bouché, N., Davies, R., Lehnert, M. D., Lutz, D., **Nesvadba, N.**, Verma, A., Abuter, R., Shapiro, K., Sternberg, A., Renzini, A., Kong, X., Arimoto, N., & Mignoli, M. (2006), "The rapid formation of a large rotating disk galaxy three billion years after the Big Bang", *Nature*, 442, 786.

(103) Förster Schreiber, N. M., Genzel, R., Lehnert, M. D., Bouché, N., Verma, A., Erb, D. K., Shapley, A. E., Steidel, C. C., Davies, R., Lutz, D., **Nesvadba, N.**, Tacconi, L. J., Eisenhauer, F., Abuter, R., Gilbert, A., Gillessen, S., & Sternberg, A. (2006), "SINFONI Integral Field Spectroscopy of $z \sim 2$ UV-selected Galaxies: Rotation Curves and Dynamical Evolution", *The Astrophysical Journal*, 645, 1062.

2004

(104) Bonnet, H., Abuter, R., Baker, A., Bornemann, W., Brown, A., Castillo, R., Conzelmann, R., Damster, R., Davies, R., Delabre, B., Donaldson, R., Dumas, C., Eisenhauer, F., Elswijk, E., Fedrigo, E., Finger, G., Gemperlein, H., Genzel, R., Gilbert, A., Gillet, G., Goldbrunner, A., Horrobin, M., Ter Horst, R., Huber, S., Hubin, N., Iserlohe, C., Kaufer, A., Kissler-Patig, M., Kragt, J., Kroes, G., Lehnert, M., Lieb, W., Liske, J., Lizon, J.-L., Lutz, D., Modigliani, A., Monnet, G., **Nesvadba, N.**, Patig, J., Pragt, J., Reunanen, J., Röhrle, C., Rossi, S., Schmutzer, R., Schoenmaker, T., Schreiber, J., Stroebele, S., Szeifert, T., Tacconi, L., Tecza, M., Thatte, N., Tordo, S., van der Werf, P., & Weisz, H. (2004), "First light of SINFONI at the VLT", *The Messenger*, 117, 17.

(105) Tecza, M., Baker, A. J., Davies, R. I., Genzel, R., Lehnert, M. D., Eisenhauer, F., Lutz, D., **Nesvadba, N.**, Seitz, S., Tacconi, L. J., Thatte, N. A., Abuter, R., & Bender, R. (2004), "SPIFFI Observations of the Starburst SMM J14011+0252:Already Old, Fat, and Rich by $z=2.565$ ", The Astrophysical Journal, 605, L109.