2017 – Refereed publications with the Medicina and Noto 32-m radio telescopes

In the following list, publications involving the Medicina and Noto 32-m radio telescopes have been divided in three categories according to the observing technique/telescope network: VLBI publications, Single-Dish publications and International VLBI Service for Geodesy and Astrometry (IVS) publications.

Note: Egron et al., Etoka et al. and Nappo et al. use also EVN observations.

VLBI

1) Abbott, B. P., Abbott, R., Abbott, T. D., et al. 2017, ApJ, 848, L12 . “Multi-messenger Observations of a Binary Neutron Star Merger”

2) Ahnen, M. L., Ansoldi, S., Antonelli, L. A., et al. 2017, A&A, 603, A25. “First multi-wavelength campaign on the gamma-ray-loud active galaxy IC 310”

3) Azulay, R., Guirado, J. C., Marcaide, J. M., et al. 2017, A&A 602, 57. “Young, active radio stars in the AB Doradus moving group”

4) Bayandina, O. S., Val'tts, I. E., Kurtz, S. E., et al. 2017, Astron. Rep. 61, 487. “H2O masers and protoplanetary disk dynamics in IC 1396 N”

5) Bietenholz, M. F., & Bartel, N. 2017, ApJ, 851, 7. “SN 1986J VLBI. IV. The Nature of the Central Component”

6) Bietenholz, M. F., & Bartel, N. 2017, ApJ, 839, 10. “SN 1986J VLBI. III. The Central Component Becomes Dominant”

7) Bruni, G., Gómez, J. L., Casadio, C., et al. 2017, A&A, 604, A111. “Probing the innermost regions of AGN jets and their magnetic fields with RadioAstron. II. Observations of 3C 273 at minimum activity”

8) Burns, R. A., Handa, T., Imai, H., et al. 2017, MNRAS, 467, 2367. “Trigonometric distance and proper motions of H_2O maser bowshocks in AFGL 5142”

9) Caccianiga, A., Dallacasa, D., Antón, S., et al. 2017, MNRAS, 464, 1474. “SDSSJ143244.91+301435.3 at VLBI: a compact radio galaxy in a narrow-line Seyfert 1”

10) Cao, H.-M., Frey, S., Gabányi, K. É., et al. 2017, MNRAS, 467, 950. “VLBI observations of four radio quasars at z > 4: blazars or not?”

11) Chatterjee, S., Law, C. J., Wharton, R. S., et al. 2017, Natur, 541, 58. “A direct localization of a fast radio burst and its host”

12) Gawroński, M. P., Goździewski, K., Katarzyński, K. 2017, MNRAS 466, 4211. “Physical properties and astrometry of radio-emitting brown dwarf TVLM 513-46546 revisited”

13) Herrero-Illana, R., Alberdi, A., Pérez-Torres, M. Á., et al. 2017, MNRAS, 470, L112. “No AGN evidence in NGC 1614 from deep radio VLBI observations”

14) Kovalev, Y. Y., Petrov, L., & Plavin, A. V. 2017, A&A, 598, L1. “VLBI-Gaia offsets favor parsec-scale jet direction in active galactic nuclei”

15) Krehlik, P., Buczek, Ł., Kołodziej, J., et al. 2017, A&A, 603, A48. “Fibre-optic delivery of time and frequency to VLBI station”

16) Kundu, E., Lundqvist, P., Pérez-Torres, M. A., et al. 2017, ApJ 842, 17. “Constraining Magnetic Field Amplification in SN Shocks Using Radio Observations of SNe 2011fe and 2014J”

17) Liu, N., Liu, J.-C., Zhu, Z. 2017, MNRAS, 466, 1567. “Test of source selection for constructing a more stable and uniform celestial reference frame”

18) Makarov, V. V., Frouard, J., Berghea, C. T., et al. 2017, ApJ, 835, L30. “Astrometric Evidence for a Population of Dislodged AGNs”

19) Marcote, B., Paragi, Z., Hessels, J. W. T., et al. 2017, ApJ, 834, L8. “The Repeating Fast Radio Burst FRB 121102 as Seen on Milliarcsecond Angular Scales”

20) Moscadelli, L., Sanna, A., Goddi, C., et al. 2017, A&A 600, 8. “Extended CH3OH maser flare excited by a bursting massive YSO”.
Note: EVN without details on antennas.

21) Natarajan, I., Paragi, Z., Zwart, J., et al. 2017, MNRAS, 464, 4306. “Resolving the blazar CGRaBS J0809+5341 in the presence of telescope systematics”

22) Park, S., Yang, J., Oonk, J. B. R., & Paragi, Z. 2017, MNRAS, 465, 3943. “Discovery of five low-luminosity active galactic nuclei at the centre of the Perseus cluster”

23) Prandoni, I., Murgia, M., Tarchi, A., et al. 2017, A&A, 608, A40. “The Sardinia Radio Telescope . From a technological project to a radio observatory”

24) Romero-Cañizales, C., Alberdi, A., Ricci, C., et al. 2017, MNRAS, 467, 2504. “Unveiling the AGN in IC 883: discovery of a parsec-scale radio jet”

25) Rushton, A. P., Miller-Jones, J. C. A., Curran, P. A., et al. 2017, MNRAS, 468, 2788. “Resolved, expanding jets in the Galactic black hole candidate XTE J1908+094”

26) Sanna, A., Moscadelli, L., Surcis, G., et al. 2017, A&A, 603, A94. “Planar infall of CH_3OH gas around Cepheus A HW2”

27) Truebenbach, A. E., & Darling, J. 2017, ApJS, 233, 3. “The VLBA Extragalactic Proper Motion Catalog and a Measurement of the Secular Aberration Drift”

28) Verbunt, F., & Cator, E. 2017, JApA, 38, 40. “A New Look at Distances and Velocities of Neutron Stars”

29) Verbunt, F., Igoshev, A. & Cator, E. 2017, A&A 608, A57. “The observed velocity distribution of young pulsars”

30) Yang, X., Yang, J., Paragi, Z., et al. 2017, MNRAS, 464, L70. “NGC 5252: a pair of radio-emitting active galactic nuclei?”

SD

1) Ahnen, M.L., Ansoldi, S., Antonelli, L. A., et al. 2017, A&A 603, A31. “Multiband variability studies and novel broadband SED modeling of Mrk 501 in 2009”

2) Egron, E., Pellizzoni, A., Giroletti, M., et al. 2017, MNRAS 471, 2703. “Single-dish and VLBI observations of Cygnus X-3 during the 2016 giant flare episode”
Note: it uses also EVN observations.

3) Etoka, S., Gérard, E., Richards, A. M. S., et al. 2017, MNRAS 468, 1703. “Recurring OH Flares towards *o* Ceti – I. Location and structure of the 1990s’ and 2010s’ events”
Note: it uses also EVN observations.

4) Nappo, F., Pescalli, A., Oganesyan, G., et al. 2017, A&A 598, A23. “The 999th Swift Gamma-Ray Burst: some like it thermal”
Note: it uses also EVN observations.

5) Raiteri, C. M. Nicastro, F., Stamerra, A., et al. 2017, MNRAS 466, 3762. “Synchrotron emission from the blazar PG 1553+113. An analysis of its flux and polarization variability”

IVS

1) Abbondanza, C., Chin, T. M., Gross, R. S., et al. 2017, J. Geophys. Res. - Solid Earth 122, 8474. “JTRF2014, the JPL Kalman filter and smoother realization of the International Terrestrial Reference System”

2) Belda, S., Heinkelmann, R., Ferrándiz, José M., et al. 2017, AJ 154, 166. “An Improved Empirical Harmonic Model of the Celestial Intermediate Pole Offsets from a Global VLBI Solution”

3) Belda, S., Heinkelmann, R., Ferrándiz, J.M., et al. 2017, J. Geod. 91, 135. “On the consistency of the current conventional EOP series and the celestial and terrestrial reference frames”

4) Clivati, C., Ambrosini, R., Artz, T., et al. 2017, Scientific Reports 7, 40992. “A VLBI experiment using a remote atomic clock via a coherent fibre link”

5) Mayer, D., Bohm, J., Krásná, H., et al. 2017, A&A 606 A143. “Tropospheric delay modelling and the celestial reerence frame at radio wavelengths“

6) Panafidina, N., Hugentobler, U., Seitz, M., et al. 2017, J. Geod. 91, 1503. “Influence of subdaily polar motion model on nutation offsets estimated by very long baseline interferometry”