

## 2013 - Refereed publications involving the 32-m Medicina and Noto radio telescopes

In the following list, publications involving the Medicina and Noto 32-m radio telescopes have been divided in two categories according to the observing technique: VLBI and Single-Dish. Publications related to the International VLBI Service for Geodesy and Astrometry are included among VLBI ones.

### VLBI

- 1) An, T., et al. 2013, MNRAS 433, 1161. "The radio structure of 3C 316, a galaxy with double-peaked narrow optical emission lines"
- 2) Argo, M. K., et al. 2013, MNRAS 431, 58. "Probing the nature of compact ultrastep spectrum radio sources with the e-EVN and e-MERLIN"
- 3) Bianchi, S., et al. 2013, MNRAS 435, 2335. "The NGC 3341 minor merger: a panchromatic view of the active galactic nucleus in a dwarf companion"
- 4) Bobylev, V. V. & Bajkova, A. T. 2013, AstL 39, 809. "Galactic rotation curve and spiral density wave parameters from 73 masers"
- 5) Brocksopp, C., et al. 2013, MNRAS 432, 931. "XTE J1752-223 in outburst: a persistent radio jet, dramatic flaring, multiple ejections and linear polarization"
- 6) Bruni, G., et al. 2013, A&A 554, 94. "The parsec-scale structure of radio-loud broad absorption line quasars"
- 7) Chi, S., Barthel, P. D. & Garrett, M. A. 2013, A&A 550, 68. "Deep, wide-field, global VLBI observations of the Hubble deep field north (HDF-N) and flanking fields (HFF)"
- 8) Dallacasa, D., et al. 2013, MNRAS 433, 147. "A sample of small-sized compact steep-spectrum radio sources: VLBI images and VLA polarization at 5 GHz"
- 9) Deane, R. P., et al. 2013, MNRAS 434, 3322. "The preferentially magnified active nucleus in IRAS F10214+4724 - III. VLBI observations of the radio core"
- 10) Doi, A., et al. 2013, PASJ 65, 57. "Multifrequency VLBI Observations of the Broad Absorption Line Quasar J1020+4320: Recently Restarted Jet Activity?"
- 11) Frey, S., et al. 2013, A&A 552, 109. "A compact radio source in the high-redshift soft gamma-ray blazar IGR J12319-0749"
- 12) Gabanyi, K. E., et al. 2013, ApJ 762, 63. "Very Long Baseline Interferometry Search for the Radio Counterpart of HESS J1943+213"
- 13) Gitti, M., et al. 2013, A&A 557, 14. "A candidate supermassive binary black hole system in the brightest cluster galaxy of RBS 797"

- 14) Imai, H., et al. 2013, ApJ 771, 47. "Exploration of a Relic Circumstellar Envelope in the 'Water Fountain' Source IRAS 18286-0959"
- 15) Imai, H., et al. 2013, ApJ 773, 182. "The Spatiokinematical Structure of H<sub>2</sub>O and OH Masers in the 'Water Fountain' Source IRAS 18460-0151"
- 16) Kardashev, N. S., et al. 2013, ARep 57, 153. "RadioAstron"-A telescope with a size of 300 000 km: Main parameters and first observational results"
- 17) Krasna, H., et al. 2013, Acta Geodaetica et Geophysica 48, 389. "Investigation of crustal motion in Europe by analysing the European VLBI sessions"
- 18) MacLeod, C. L., et al. 2013, ApJ 773, 35. "Detection of Substructure in the Gravitationally Lensed Quasar MG0414+0534 Using Mid-infrared and Radio VLBI Observations"
- 19) Malkin, Z. 2013, A&A 558, 29. "A new approach to the assessment of stochastic errors of radio source position catalogues"
- 20) Mezcuca, M., Lobanov, A. P. & Martí-Vidal, I. 2013, MNRAS 436, 2454. "The resolved structure of the extragalactic supernova remnant SNR 4449-1"
- 21) Mezcuca, M., et al. 2013, MNRAS 436, 1546. "Milliarcsec-scale radio emission of ultraluminous X-ray sources: steady jet emission from an intermediate-mass black hole?"
- 22) Miller-Jones, J. C. A., et al. 2013, Science 340, 950. "An Accurate Geometric Distance to the Compact Binary SS Cygni Vindicates Accretion Disc Theory"
- 23) Moscadelli, L., et al. 2013, A&A 549, 122. "A double-jet system in the G31.41 + 0.31 hot molecular core"
- 24) Nechaeva, M., et al. 2013, BaltA 22, 35. "A experiment on radio location of objects in the near-Earth space with VLBI in 2012"
- 25) Nechaeva, M., et al. 2013, BaltA 22, 341. "First Results of the VLBI Experiment on Radar Location of the Asteroid 2012 DA14"
- 26) Norris, R. P., et al. 2013, PASA 30, 20. "Radio Continuum Surveys with Square Kilometre Array Pathfinders"
- 27) Panessa, F. & Giroletti, M. 2013, MNRAS 432, 1138. "Sub-parsec radio cores in nearby Seyfert galaxies"
- 28) Paragi, Z., et al. 2013, MNRAS 432, 1319. "VLBI observations of the shortest orbital period black hole binary, MAXI J1659-152"
- 29) Petrov, L. 2013, AJ 146, 5. "The Catalog of Positions of Optically Bright Extragalactic Radio Sources OBRS-2"

- 30)** Sarti, P., Abbondanza, C. & Altamimi, Z. 2013, Reference Frames for Applications in Geosciences - IAG Symposium on Reference Frames for Applications in Geosciences, International Association of Geodesy Symposia 138, 75. Ed.: Altamimi, Z., Collilieux, X. "Local Ties and Co-Location Sites: Some Considerations After the Release of ITRF2008"
- 31)** Sarti, P., et al. 2013, Geophysical Journal International 192, 1042. "Intrasite motions and monument instabilities at Medicina ITRF co-location site"
- 32)** Schaap, R. G., et al. 2013, MNRAS 434, 585. "Scintillation is an indicator of astrometric stability"
- 33)** Seitz, M., Angermann, D. & Drewes, H. 2013, Reference Frames for Applications in Geosciences - IAG Symposium on Reference Frames for Applications in Geosciences , International Association of Geodesy Symposia 138, 87. Ed.: Altamimi, Z., Collilieux, X. "Accuracy Assessment of the ITRS 2008 Realization of DGFI: DTRF2008"
- 34)** Spencer, R. E., et al. 2013, MNRAS 435, 48. "Radio and X-ray observations of jet ejection in Cygnus X-2"
- 35)** Surcis, G., et al. 2013, A&A 556, 73. "EVN observations of 6.7 GHz methanol maser polarization in massive star-forming regions. II. First statistical results"
- 36)** Teke, K., et al. 2013, Journal of Geodesy 87, 981. "Troposphere delays from space geodetic techniques, water vapor radiometers, and numerical weather models over a series of continuous VLBI campaigns"
- 37)** Wu, F., et al. 2013, A&A 550, 113. "Kinematics of the compact symmetric object OQ 208 revisited"

## Single-Dish

- 1)** D'Ammando F., et al. 2013, MNRAS 436, 191. "Multifrequency studies of the narrow-line Seyfert 1 galaxy SBS 0846+513"
- 2)** Levshakov S.A., et al. 2013, A&A 559, 91. "Limits on the spatial variations of the electron-to-proton mass ratio in the Galactic plane"
- 3)** Lopez-Caniego M., et al. 2013, MNRAS 430, 1566. "Mining the Herschel-Astrophysical Terahertz Large Area Survey: submillimetre-selected blazars in equatorial fields"
- 4)** Orienti M., et al. 2013, MNRAS 428, 2418. "Radio and gamma-ray follow-up of the exceptionally high-activity state of PKS 1510-089 in 2011"
- 5)** Rani, B., et al. 2013, A&A 552, 11. "Radio to gamma-ray variability study of blazar S5 0716+714"
- 6)** Ricci R., et al. 2013, MNRAS 435, 2793. "A 20 GHz bright sample for DEC > 72d - II. Multifrequency follow-up"