

Publications year: 2015

1. Agarwal, A., Gupta, A. C., Bachev, R., Strigachev, A., Semkov, E., Wiita, P. J. Böttcher, M., Boeva, S., Gaur, H., Gu, M. F., Peneva, S., Ibryamov, S., Pandey, U. S., Multi-band optical-NIR variability of blazars on diverse timescales, 2015, Monthly Notices of the Royal Astronomical Society, 451, 3882–3897
2. Aurière, M., Konstantinova-Antova, R., Charbonnel, C., Wade, G.A., Tsvetkova, S., Petit, P., Dintrans, B., Drake, N.A., Decressin, T., Lagarde, N., Donati, J.-F., Roudier, T., Lignières, F., Schröder, K.-P., Landstreet, J.D., Lèbre, A., Weiss, W.W., Zahn, J.-P., The Magnetic Fields at the Surface of Active Single G-K Giants, 2015, Astronomy & Astrophysics, 574, A90
3. Bachev, R., Mukhopadhyay, B., Strigachev, A., A search for chaos in the optical light curve of a blazar: W2R 1926+42, 2015, Astronomy & Astrophysics, 576, A17
4. Bachev, R., Violent intranight optical variability of the blazar S4 0954+65 during its unprecedented 2015 February outburst, 2015, Monthly Notices of the Royal Astronomical Society, 451, L21
5. Bachev, R., Strigachev, A., The blazar S5 0716+714 at the highest optical flux ever reported., 2015, The Astronomer's Telegram, 6957, 1
6. Bachev, R., Spassov, B., Boeva, S., Further Confirmation of a Very High Optical State of S5 0716+ 714, 2015, The Astronomer's Telegram, 6944, 1
7. Bachev, R., Strong optical flare of the blazar PKS 1510-089, 2015, The Astronomer's Telegram, 7829, 1
8. Bachev, R., Rapid intranight variability of the blazar S4 0954+65 during its maximum state, 2015, The Astronomer's Telegram, 7083, 1
9. Belcheva, M., Markov, H., Tsvetanov, Z., Iliev, I., Stateva, I., Physical parameters of eclipsing binary components, discovered by STEREO, 2015, Bulgarian Astronomical Journal, 22, 28-32
10. Bhatta, G., Goyal, A., Ostrowski, M., Stawarz, Ł., Akitaya, H., Arkharov, A. A., Bachev, R., Benítez, E., Borman, G. A., Carosati, D., Cason, A. D., Damljanovic, G., Dhalla, S., Frasca, A., Hu, S.-M., Itoh, R., Jorstad, S., Jableka, D., Kawabata, K. S., Klimanov, S. A., Kurtanidze, O., Larionov, V. M., Laurence, D., Leto, G., Markowitz, A., Marscher, A. P., Moody, J. W., Moritani, Y., Ohlert, J. M., Di Paola, A., Raiteri, C. M., Rizzi, N., Sadun, A. C., Sasada, M., Sergeev, S., Strigachev, A., Takaki, K., Troitsky, I. S., Ui, T., Villata, M., Vince, O., Webb, J. R., Yoshida, M., Zola, S., Hiriart, D., Discovery of a Highly Polarized Optical Microflare in Blazar S5 0716+714 during the 2014 WEBT Campaign, 2015, Astrophysical Journal, 809, L27
11. Bhatta, G., Ostrwoski, M, Stawarz, L., Zola, S., Jableka, D., Bachev, R, Benitez, E., Dhalla, S. M., Cason, A., Carosati, D., Damljanovic, G., Frasca, A., Hu, S. M., Jorstad, S., Kurtanidze, O., Larionov, V., Leto, G., Marscher,, Moody, J., Ohlert, J., Rizzi, N., Sadun, A., Sasada, M., Sergeev, S., Strigachev, A., Vince, O., Webb, J. R., 5-day photo-polarimetric WEBT Campaign on Blazar S5 0716+714 - a Study of Microvariability in Blaza, 2015, American Astronomical Society, Meeting 225, id. 120.04
12. Borisov, G., Bagnulo, S., Nikolov, P, Bonev, T., Imaging polarimetry and spectropolarimetry of comet C/2013 R1 (Lovejoy). 2015, Planetary and Space Science, 118, 187-192

Publications year: 2015

13. Carnerero, M. I., Raiteri, C. M., Villata, M., Acosta-Pulido, J. A., D'Ammando, F., Smith, P. S., Larionov, V. M., Agudo, I., Arevalo, M. J., Arkharov, A. A., Bach, U., Bachev, R., Benitez, E., Blinov, D. A., Bozhilov, V., Buemi, C. S., Bueno Bueno, A., Carosati, D., Casadio, C., Chen, W. P., Damjanovic, G., Paola, A. Di., Efimova, N. V., Ehgamberdiev, Sh. A., Giroletti, M., Gomez, J. L., Gonzalez-Morales, P. A., Grinon-Marin, A. B., Grishina, T. S., Gurwell, M. A., Hiriart, D., Hsiao, H. Y., Ibryamov, S., Jorstad, S. G., Joshi, M., Kopatskaya, E. N., Kurtanidze, O. M., Kurtanidze, S. O., Lahteenmaki, A., Larionova, E. G., Larionova, L. V., Lazaro, C., Leto, P., Lin, C. S., Lin, H. C., Manilla-Robles, A. I., Marscher, A. P., McHardy, I. M., Metodieva, Y., Mirzaqulov, D. O., Mokrushina, A. A., Molina, S. N., Morozova, D. A., Nikolashvili, M. G., Orienti, M., Ovcharov, E., Panwar, N., Pastor Yabar, A., Puerto Gimenez, I., Ramakrishnan, V., Richter, G. M., Rossini, M., Sigua, L. A., Strigachev, A., Taylor, B., Tornikoski, M., Trigilio, C., Troitskaya, Yu. V., Troitsky, I. S., Umana, G., Valcheva, A., Velasco, S., Vince, O., Wehrle, A. E., Wiesemeyer, H.. Multiwavelength behaviour of the blazar OJ 248 from radio to γ -rays, 2015, Monthly Notices of the Royal Astronomical Society, 450, 2677-2691
14. Cvetkovic, Z., Ninkovic, S., Pavlovic, R., Boeva, S., Latev, G., Determination of Nature for Eleven Double Stars, 2015, Publications of the Astronomical Society "Rudjer Boskovic", 15, 99-106
15. Cvetkovic, Z., Pavlovic, R., Boeva, S., CCD Measurements of Double and Multiple Stars at NAO Rozhen and ASV in 2012. Four Linear Solutions, 2015, Astronomical Journal, 149, art. id. 150
16. Damjanovic, G., Taris, F., Latev, G., Stojanovic, M., Observations at the 60 cm ASV Telescope and the Link GAIA CRF – ICRF, 2015, Publications of the Astronomical Society "Rudjer Boskovic", 15, 165-170
17. Damjanovic, G., Taris, F., Boeva, S., Some preliminary photometric results of QSOs useful for the link between future Gaia CRF and ICRF. Proceedings of the Journées 2014 "Systèmes de référence spatio-temporels": Recent developments and prospects in ground-based and space astrometry, 2015, 16-19
18. Dechev, M., Koleva, K., Duchlev, P., Petrov, N., Multi-Wavelength Observations of an Eruptive Prominence on 7 August 2010, 2015, Publications of the Astronomical Society "Rudjer Boskovic", 15, 117-126
19. Dechev, M., Petrov, G., GRID, Virtual Observatory and Some Astronomical Applications, 2015, Bulgarian Astronomical Journal, 22, 67-82
20. Dimitrov, D. P., Kjurkchieva, D. P., Ultrashort-period main-sequence eclipsing systems: new observations and light-curve solutions of six NSVS binaries, 2015, Monthly Notices of the Royal Astronomical Society, 448, 2890-2899
21. Evans, C. J., Kennedy, M. B., Dufton, P. L., Howarth, I. D., Walborn, N. R., Markova, N., Clark, J. S., de Mink, S. E., de Koter, A., Dunstall, P. R., Hénault-Brunet, V., Maíz Apellániz, J., McEvoy, C. M., Sana, H., Simón-Díaz, S., Taylor, W. D., Vink, J. S.. The VLT-FLAMES Tarantula Survey. XVIII. Classifications and radial velocities of the B-type stars, 2015, Astronomy & Astrophysics, 574, A13
22. Furniss, A., Noda, K., Boggs, S., Chiang, J., Christensen, F., Craig, W., Giommi, P., Hailey, C.,

Publications year: 2015

Harisson, F., Madejski, G., Nalewajko, K., Perri, M., Stern, D., Urry, M., Verrecchia, F., Zhang, W., Ahnen, M. L., Ansoldi, S., Antonelli, L. A., Antoranz, P., Babic, A., Banerjee, B., Bangale, P., Barres de Almeida, U., Barrio, J. A., Becerra Gonzalez, J., Bednarek, W., Bernardini, E., Biasuzzi, B., Biland, A., Blanch, O., Bonnefoy, S., Bonnoli, G., Borracci, F., Bretz, T., Carmona, E., Carosi, A., Chatterjee, A., Clavero, R., Colin, P., Colombo, E., Contreras, J. L., Cortina, J., Covino, S., Da Vela, P., Dazzi, F., De Angelis, A., De Caneva, G., De Lotto, B., de Ona Wilhelmi, E., Delgado Mendez, C., Di Pierro, F., Dominis Prester, D., Dorner, D., Doro, M., Einecke, S., Eisenacher Glawion, D., Elsaesser, D., Fernandez-Barral, A., Fidalgo, D., Fonseca, M. V., Font, L., Frantzen, K., Fruck, C., Galindo, D., Garcia Lopez, R. J., Garczarczyk, M., Garrido Terrats, D., Gaug, M., Giannmaria, P., Godinovic, N., Gonzalez Munoz, A., Guberman, D., Hanabata, Y., Hayashida, M., Herrera, J., Hose, J., Hrupec, D., Hughes, G., Idec, W., Kellermann, H., Kodani, K., Konno, Y., Kubo, H., Kushida, J., La Barbera, A., Lelas, D., Lewandowska, N., Lindfors, E., Lombardi, S., Longo, F., Lopez, M., Lopez-Coto, R., Lopez-Oramas, A., Lorenz, E., Majumdar, P., Makariev, M., Mallot, K., Maneva, G., Manganaro, M., Mannheim, K., Maraschi, L., Marcote, B., Mariotti, M., Martinez, M., Mazin, D., Menzel, U., Miranda, J. M., Mirzoyan, R., Moralejo, A., Nakajima, D., Neustroev, V., Niedzwiecki, A., Nievas Rosillo, M., Nilsson, K., Nishijima, K., Orito, R., Overkemping, A., Paiano, S., Palacio, J., Palatiello, M., Paneque, D., Paoletti, R., Paredes, J. M., Paredes-Fortuny, X., Persic, M., Poutanen, J., Prada Moroni, P. G., Prandini, E., Puljak, I., Reinthal, R., Rhode, W., Ribo, M., Rico, J., Rodriguez Garcia, J., Saito, T., Saito, K., Satalecka, K., Scapin, V., Schultz, C., Schweizer, T., Shore, S. N., Sillanpaa, A., Sitarek, J., Snidaric, I., Sobczynska, D., Stamerra, A., Steinbring, T., Strzys, M., Takalo, L., Takami, H., Tavecchio, F., Temnikov, P., Terzic, T., Tescaro, D., Teshima, M., Thaele, J., Torres, D. F., Toyama, T., Treves, A., Verguilov, V., Vovk, I., Will, M., Zanin, R., Archer, A., Benbow, W., Bird, R., Biteau, J., Bugaev, V., Cardenzana, J. V., Cerruti, M., Chen, X., Ciupik, L., Connolly, M. P., Cui, W., Dickinson, H. J., Dumm, J., Eisch, J. D., Falcone, A., Feng, Q., Finley, J. P., Fleischhack, H., Fortin, P., Fortson, L., Gerard, L., Gillanders, G. H., Griffin, S., Griffiths, S. T., Grube, J., Gyuk, G., Haakansson, N., Holder, J., Humensky, T. B., Johnson, C. A., Kaaret, P., Kertzman, M., Kieda, D., Krause, M., Krennrich, F., Lang, M. J., Lin, T. T. Y., Maier, G., McArthur, S., McCann, A., Meagher, K., Moriarty, P., Mukherjee, R., Nieto, D., O'Faolain de Bhroithe, A., Ong, R. A., Park, N., Petry, D., Pohl, M., Popkow, A., Ragan, K., Ratliff, G., Reyes, L. C., Reynolds, P. T., Richards, G. T., Roache, E., Santander, M., Sembroski, G. H., Shahinyan, K., Staszak, D., Telezhinsky, I., Tucci, J. V., Tyler, J., Vassiliev, V. V., Wakely, S. P., Weiner, O. M., Weinstein, A., Wilhelm, A., Williams, D. A., Zitzer, B., Fuhrmann, O. Vince L., Angelakis, E., Karamanavis, V., Myserlis, I., Krichbaum, T. P., Zensus, J. A., Ungerechts, H., Sievers, A., Bachev, R., Bottcher, M., Chen, W. P., Damljanovic, G., Eswaraiah, C., Guver, T., Hovatta, T., Hughes, Z., Ibryamov, S. I., Joner, M. D., Jordan, B., Jorstad, S. G., Joshi, M., Kataoka, J., Kurtanidze, O. M., Kurtanidze, S. O., Lahteenmaki, A., Latev, G., Lin, H. C., Larionov, V. M., Mokrushina, A. A., Morozova, D. A., Nikolashvili, M. G., Raiteri, C. M., Ramakrishnan, V., Readhead, A. C. R., Sadun, A. C., Sigua, L. A., Semkov, E. H., Strigachev, A., Tammi, J., Tornikoski, M., Troitsky, Y. V., Troitskaya I. S., Villata, M., First NuSTAR Observations of Mrk 501 within a Radio to TeV Multi-Instrument Campaign, 2015, *Astrophysical Journal*, 812, art. id. 65

23. Gaur, H., Gupta, A. C., Bachev, R., Strigachev, A., Semkov, E., Böttcher, M., Wiita, P. J., de Diego, J. A., Gu, M., Guo, H., Joshi, R., Mihov, B., Palma, N., Peneva, S., Rajasingam, A., Slavcheva-Mihova, L., Nature of Intra-night Optical Variability of BL Lacertae, 2015, *Monthly Notices of the Royal Astronomical Society*, 452, 4263–4273

24. Gaur, H., Gupta, A. C., Bachev, R., Strigachev, A., Semkov, E., Wiita, P. J., Volvach, A. E., Gu, M., Agarwal, A., Agudo, I., Aller, M. F., Aller, H. D., Kurtanidze, O. M., Kurtanidze, S. O., Lahteenmaki, A., Peneva, S., Nikolashvili, M. G., Sigua, L. A., Tornikoski, M., Volvach, L. N., Optical and Radio Variability of BL Lacertae, 2015, *Astronomy & Astrophysics*, 582, A103

Publications year: 2015

25. Georgiev, Ts., Nedialkov, P., Ovcharov, E., Valcheva, A., On the mutual location of the nearby galaxies M 31, M32 and M 110, 2015, Bulgarian Astronomical Journal, 23, 31-40
26. Georgiev, Ts., Night sky brightness over the Rozhen National Astronomical Observatory, 10th Conference "Space, Ecology, Security", 2014, Institute of Space Research and Technologies, 2015, SES, 56-59
27. González-García, A. C., Kolev, D., Koleva, V.. Thracian Dolmens. Handbook of Archaeoastronomy and Ethnoastronomy, Springer Science+Business Media New York, 2015, 1395 - 1402
28. Gozdziewski, K., Slowikowska, A., Dimitrov, D., Krzeszowski, K., Zejmo, M., Kanbach, G., Burwitz, V., Rau, A., Richichi, A., Gawronski, M., Nowak, G., Nasiroglu, I., Kubic. The HU Aqr planetary system hypothesis revisited, 2015, Monthly Notices of the Royal Astronomical Society, 448, 1118-1136
29. Ibryamov, S. I., Semkov, E. H., Peneva, S. P., Long-term BVRI light curves of 5 pre-main sequence stars in the field of "Gulf of Mexico", 2015, Bulgarian Astronomical Journal, 22, 3-14
30. Ibryamov, S. I., Semkov, E. H., Peneva, S. P., Long-term multicolor photometry of the young stellar objects FHO 26, FHO 27, FHO 28, FHO 29 and V1929 Cygni, 2015, Publications of the Astronomical Society of Australia, 32, e021
31. Iliev, L., Near IR spectral observations of selected Be and shell stars, 2015, Bulgarian Astronomical Journal, 22, 37-43
32. Kirilova, D., Panayotova, M., Parameterizing the SFC Baryogenesis Model, Advances in Astronomy, 2015, art. id. 425342
33. Kirilova, D., Neutrinos from the Early Universe and physics beyond standard models, 2015, Open Physics, 13, 1, 22-33
34. Kjurkchieva, D. P., Dimitrov, D. P., Ibryamov, S. I., Light curve solutions of six eclipsing binaries at the lower limit of periods of the W UMa stars, 2015, Research in Astronomy & Astrophysics, 15, article id. 1493
35. Kjurkchieva, D., Khruzina, T., Dimitrov, D., Groebel, R., Ibryamov, S., Nikolov, G., 2MASSJ22560844+5954299: the newly discovered cataclysmic star with the deepest eclipse, 2015, Astronomy & Astrophysics, 584, A40
36. Kjurkchieva, D., Dimitrov, D., Light curve solutions of the ultrashort-period Kepler binaries., 2015, Astronomische Nachrichten, 336, 153
37. Kjurkchieva, D., Popov, V., Petrov, N., Ivanov, E., Light curve solutions of six short-period binaries and peculiarities of two of them, NSVS 3640326 and V1007 Cas, 2015, Contributions of the Astronomical Observatory Skalnaté Pleso, 45, 28–41
38. Kjurkchieva, D., Petrov, N., Popov, V., Ivanov, E., Observations of transits of the southern exoplanets WASP 4b and WASP 46b by using a 40 cm telescope, 2015, Bulgarian Astronomical

Publications year: 2015

Journal, 22, 21-27

39. Kolev, D.. Folk Calendars in the Balkan Region. *Handbook of Archaeoastronomy and Ethnoastronomy*, Springer Science+Business Media New York, 2015, ISBN:978-1-4614-6140-1, DOI:10.1007/978-1-4614-6141-8, 1767 – 1772
40. Koleva, V., Koleva, S.. Wooden Calendar Sticks in Eastern Europe. *Handbook of Archaeoastronomy and Ethnoastronomy*, Springer Science+Business Media New York, 2015, ISBN:978-1-4614-6140-1, DOI:10.1007/978-1-4614-6141-8, 1773 - 1780
41. Komitov, B., Duchlev, P., Penev, K., Evidence for general downward trend of the SXR solar flare activity in the last decades, 2015, Bulgarian Astronomical Journal, 23, 45-74
42. Komitov, B., Dechev, M., Duchlev, P., The Relation Between Solar Proton Flares and the Background Concentrations of Nitrogen Oxides in the Troposphere, 2015, Publications of the Astronomical Society “Rudjer Boskovic”, 15, 149-158
43. Kurtenkov, A., Ovcharov, E., Nedialkov, P., Kostov, A., Bachev, R., Dimitrova, R., Popov, V., Valcheva, A., Spectroscopic confirmation and additional photometry of the very bright nova M31N 2015-01a, 2015, *The Astronomer's Telegram*, 6941, 1
44. Kurtenkov A., Tomov T., Fabrika, S., Barsukova, E. A., Valeev, A. F., Pessev, P., Vida, K., Molnar, L., Sarnecky, K., Goranskij, V. P., Hornoch, K., Henze, M., Shafter, A. W., Ovcharov, E., Nedialkov, P., Kostov, A., Valenti, S., Stritzinger, M., M31N 2015-01a - A Luminous Red Nova, 2015, *The Astronomer's Telegram*, 7150, 1
45. Kurtenkov, A. A., Pessev, P., Tomov, T., Barsukova, E. A., Fabrika, S., Vida, K., Hornoch, K., Ovcharov, E. P., Goranskij, V. P., Valeev, A. F., Molnar, L., Sarnecky, K., Kostov, A., Nedialkov, P., Valenti, S., Geier, S., Wiersema, K., Henze, M., Shafter, A. W., Muñoz Dimitrova, R. V., Popov, V. N., Stritzinger, M., The January 2015 outburst of a red nova in M 31, *Astronomy & Astrophysics*, 2015, 578, L10
46. Latev, G., Zamanov, K., Boeva, S., Stoyanov, K., Simultaneous UBVRI Observations of the AE Aquarii Blobs, 2015, *Acta Polytechnica CTU proceedings*, 2, 90-93
47. Maciejewski, G., Fernández, M., Aceituno, F. J., Ohlert, J., Puchalski, D., Fernández, M., Dimitrov, D., Seeliger, M., Kitze, M., Raetz, St., Errmann, R., Gilbert, H., Pannicke, A., Schmidt, J.-G., Neuhäuser, R. No variations in transit times for Qatar-1 b, 2015, *Astronomy & Astrophysics*, 577, A109
48. Markova, N., Puls, J., The mass discrepancy problem in O stars of solar metallicity. Does it still exist?, 2015, *Proceedings of the International Astronomical Union*, 307, 117-118
49. Marziani, P., Sulentic, J. W., Negrete, C. A., Dultzin, D., Del Olmo, A., Martínez, Carballo, M. A., Zwitter, T., Bachev, R., UV spectral diagnostics for low redshift quasars: estimating physical conditions and radius of the broad line region, 2015, *Astrophysics and Space Science*, 356, 339
50. McEvoy, C. M., Dufton, P. L., Evans, C. J., Kalari, V. M., Markova, N., Simón-Díaz, S., Vink, J. S., Walborn, N. R., Crowther, P. A., de Koter, A., de Mink, S. E., Dunstall, P. R., Hénault-Brune, V., Herrero, A., Langer, N., Lennon, D. J., Maíz Apellániz, J., Najarro, F., Puls, J., Sana, H., Schneider,

Publications year: 2015

- F. R. N., Taylor, W. D.. The VLT-FLAMES Tarantula Survey. XIX. B-type supergiants: Atmospheric parameters and nitrogen abundances to investigate the role of binarity and the width of the main sequence, 2015, *Astronomy & Astrophysics*, 575, A70
51. Metodieva, Y., Antonova, A., Golev, V., Dimitrov, D., García-Álvarez, D., Doyle, J. G., Low-resolution optical spectra of ultracool dwarfs with OSIRIS/GTC., 2015, *Monthly Notices of the Royal Astronomical Society*, 446, 3878
52. Ovcharov, E., Kostov, A., Kurtenkov, A., Valcheva, A., Nedialkov, P., Optical Nova Candidate in M31, 2015, *The Astronomer's Telegram*, 7065, 1
53. Ovcharov E., Kostov A., Bozhilov V., Nedialkov P., Valcheva A., Nova 2015-02a in M31 brightens up again, 2015, *The Astronomer's Telegram*, 7818, 1
54. Ovcharov E., Nikolov G., Kostov A., Bozhilov V., Nikolov P., Latev G., Nedialkov P., Valcheva A., BR and H-alpha photometry of a nova in M31 before maximum light, 2015, *The Astronomer's Telegram*, 7914, 1
55. Ovcharov E., Nikolov G., Kostov A., Bozhilov V., Minev M., Valcheva A., Nedialkov P., H-alpha confirmation of novae in M31, 2015, *The Astronomer's Telegram*, 7921, 1
56. Ovcharov E., Kurtenkov A., Bozhilov V., Valcheva A., Nedialkov P., Kostov A., Optical (R and H-alpha) nova candidate in M31 and H-alpha confirmation of the probable nova 2015-09a, 2015, *The Astronomer's Telegram*, 8071, 1
57. Puls, J., Sundqvist, J. O., Markova, N., Physics of Mass Loss in Massive Stars, 2015, *Proceedings of the International Astronomical Union*, 307, 25-36
58. Raiteri, C. M., Stamerra, A., Villata, M., Larionov, V. M., Acosta-Pulido, J. A., Arevalo M. J., Arkharov, A. A., Bachev, R., Benítez, E., Bozhilov, V. V., Borman, G. A., Buemi, C. S., Calcidese, P., Carnerero, M. I., Carosati, D., Chigladze, R. A., Damjanovic, G., Di Paola, A., Doroshenko, V. T., Efimova, N. V., Ehgamberdiev, Sh. A., Giroletti, M., Gonzalez-Morales, P. A., Grinon-Marin, A. B., Grishina, T. S., Hiriart, D., Ibryamov, S., Klimanov, S. A., Kopatskaya, E. N., Kurtanidze, O. M., Kurtanidze, S. O., Kurtenkov, A. A., Larionova, L. V., Larionova, E. G., Lazaro, C., Lahteenmaki, A., Leto, P., Markovic, G., Mirzaqulov, D. O., Mokrushina, A. A., Morozova, D. A., Mujica, R., Nazarov, S. V., Nikolashvili, M. G., Ohlert, J. M., Ovcharov, E. P., Paiano, S., Pastor Yabar, A., Prandini, E., Ramakrishnan, V., Sadun, A. C., Semkov, E., Siguia, L. A., Strigachev, A., Tammi, J., Tornikoski, M., Trigilio, C., Troitskaya, Yu. V., Troitsky, I. S., Umana, G., Velasco, S., Vince, O, The WEBT campaign on the BL Lac object PG 1553+113 in 2013. An analysis of the enigmatic synchrotron emission, 2015, *Monthly Notices of the Royal Astronomical Society*, 454, 353-367
59. Ramírez-Agudelo, O. H., Sana, H., de Koter, A., Simón-Díaz, S., de Mink, S. E., Tramper, F., Dufton, P. L., Evans, C. J., Gräfener, G., Herrero, A., Langer, N., Lennon, D. J., Maíz Apellániz, J., Markova, N., Najarro, F., Puls, J., Taylor, W. D., Vink, J. S.. Rotational velocities of single and binary O-type stars in the Tarantula Nebula, 2015, *Proceedings of the International Astronomical Union*, 307, 76-81
60. Seeliger, M., Kitze, M., Errmann, R., Richter, S., Ohlert, J., Güver, T., Aydin, B., Mottola, S., Hellmich, S., Fernandez, Dimitrov, D., Kjurkchieva, D., Jensen, E., Cohen, D., Kundra, E., Pribulla,

Publications year: 2015

- Vanko, M., Budaj, J., Mallonn, M., Wu, Z.-Y., Zhou, X., Raetz, St., Adam, C., Schmidt, T. O. B., Ide, A., Mugrauer, Marschall, L., Hackstein, M., Chini, R., Haas, M., Ak, T., Güzel, E., Özgünmez, A., Ginski, C., Marka, C., Schmidt, J. G., Dincel, B., Werner, K., Dathe, A., Greif, J., Wolf, V., Buder, S., Pannicke, A., Puchalski, D., Neuhäuser, R., Ground-based transit observations of the HAT-P-18, HAT-P-19, HAT-P-27/WASP40 and WASP-21 systems, 2015, *Monthly Notices of the Royal Astronomical Society*, 451, 4060-4072
61. Semkov, E. H., Ibryamov, S. I., Peneva, S. P., Milanov, T. R., Stoyanov, K. A., Stateva, I. K., Kjurkchieva, D. P., Dimitrov, D. P., Radeva, V. S., The unusual photometric variability of the PMS star GM Cep, 2015, *Publications of the Astronomical Society of Australia*, 32, e011
62. Semkov, E., The new FUor candidate V960 Mon (2MASS J06593158-0405277) still retains at high brightness level, 2015, *The Astronomer's Telegram*, 8019, 1
63. Semkov, E. H., Peneva, S. P., Ibryamov, S. I., The PMS star V1184 Tau (CB 34V) at the end of prolonged eclipse, 2015, *Astronomy & Astrophysics*, 582, A113
64. Skinner, S. L., Zhekov, S. A., Gudel, M., Schmutz, W., Achandra observation of the eclip-sing Wolf-Rayet binary CQ Cep, 2015, *Astrophysical Journal*, 799, art. id. 124
65. Skopal, A., Sekeras, M., Tomov, N. A., Tomova, M. T., Tarasova, T. N., Wolf, M., What powers the 2006 outburst of the symbiotic star BF Cygni? 2015, *Acta Polytechnica CTU Proceedings*, 2, 277-281
66. Stoyanov, K., Zamanov, R., Rotation of the Mass Donors in High-mass X-ray Binaries and Symbiotic Stars, 2015, *Acta Polytechnica CTU Proceedings*, 2, 286-290
67. Strigachev, A., Bachev, R., Semkov, E., Gupta, S. P., Dewangan, G., Singh, K., Photometric study of a gamma-ray loud narrow line Seyfert~1: PKS~1502+036, 2015, *Bulgarian Astronomical Journal*, 22, 33-36
68. Thuillot, W., Bancelin, D., Ivantsov, A., Desmars, J., Assafin, M., Eggli, S., Hestroffer, D., Rocher, P., Carry, B., David, P., Abe, L., Andreev, M., Arlot, J.-E., Asami, A., Ayvazian, V., Baransky, A., Belcheva, M., Bendjoya, Ph., Bikmaev, I., Burkhanov, O. A., Camci, U., Carbognani, A., Colas, F., Devyatkin, A. V., Ehgamberdiev, Sh. A., Enikova, P., Eyer, L., Galeev, A., Gerlach, E., Godunova, V., Golubaev, A. V., Gorshanov, D. L., Gumerov, R., Hashimoto, N., Helvacı, M., Ibryamov, S., Inasaridze, R. Ya., Khamitov, I., Kostov, A., Kozhukhov, A. M., Kozyryev, Y., Krugly, Yu N., Kryuchkovskiy, V., Kulichenko, N., Maigurova, N., Manilla-Robles, A., Martyusheva, A. A., Molotov, I. E., Nikolov, G., Nikolov, P., Nishiyama, K., Okumura, S., Palaversa, L., Parmonov, O., Peng, Q. Y., Petrova, S. N., Pinigin, G. I., Pomazan, A., Rivet, J.-P., Sakamoto, T., Sakhibullin, N., Sergeev, O., Sergeyev, A. V., Shulga, O. V., Suarez, O., Sybiryakova, Y., Takahashi, N., Tarady, V., Todd, M., Urakawa, S., Uysal, O., Vaduvescu, O., Vovk, V., Zhang, X.-L.. The Astrometric Gaia-FUN-SSO observation campaign of 99 942 Apophis, 2015, *Astronomy & Astrophysics*, 583, A59
69. Tomov, N. A., Tomova, M. T., Bisikalo, D. V., Transient accretion disc-like envelope in the symbiotic binary BF Cyg during its 2006 – 2015 optical outburst, 2015, *Astronomische Nachrichten*, 336, 690–694
70. Tomova M., Photometric and spectral investigation of the symbiotic binary Z And during its phase of activity in 2000 – 2003, 2015, *Bulgarian Astronomical Journal*, 22, 93-95

Publications year: 2015

71. Vucetic, M. M., Ciprijanovic, A., Pavlovic, M. Z., Pannuti, T. G., Petrov, N., Göker, Ü. D., Ercan, E. N., Optical Observations of the Nearby Galaxy IC342 With Narrow Band [S II] and Halpha Filters. II - Detection of 16 Optically-Identified Supernova Remnant Candidates, 2015, Serbian Astronomical Journal, 191, 1–8
72. Walborn, N. R., Sana, H., Evans, C. J., Taylor, W. D., Sabbi, E., Barbá, R. H., Morrell, N. I., Maíz Apellániz, J., Sota, A., Dufton, P. L., McEvoy, C. M., Clark, J. S., Markova, N., Ulaczyk, K.. Broad Balmer Wings in BA Hyper/Supergiants Distorted by Diffuse Interstellar Bands: Five Examples in the 30 Doradus Region from the VLT-FLAMES Tarantula Survey, 2015, Astrophysical Journal, 809, art. id. 109
73. Zamanov, R., Boeva, S., Latev, G., Stoyanov, K. A., Tsvetkova, S. V., Difference between the optical flickering colours of cataclysmic variables and symbiotic recurrent novae, 2015, Astronomische Nachrichten, 336, 189–195
74. Zamanov, R., Latev, G., Boeva, S., Sokoloski, J. L., Stoyanov, K., Bachev, R., Spassov, B., Nikolov, G., Golev, V., Ibryamov, S., Optical flickering of the recurrent nova RS Ophiuchi: amplitude–flux relation, 2015, Monthly Notices of the Royal Astronomical Society, 450, 3958–3965
75. Zhekov, S. A., Skinner, S. L., X-rays from the oxyge-type Wolf-Rayet binary WR30a, 2015, Monthly Notices of the Royal Astronomical Society, 452, 872-877
76. Zhekov, S. A., X-rays from the episodic dust-maker WR137, 2015, Monthly Notices of the Royal Astronomical Society, 447, 2706-2713
77. Георгиев, Ц., Три приложения на Метода на отбраните най-малки квадрати, 2015, НБУ Годишник на Деп. Природни науки 2013-2014, 91-100
78. Георгиев, Ц., Графики на доверителни интервални граници за основните статистически тестове в зависимост от броя данни, 2015, НБУ Годишник на Деп. Природни науки 2013-2014, 79-90
79. Георгиев, Ц., Астрономичните тела на диаграмите маса - диаметър и маса - средна плътност. Два вида малки планети, 2015, Publications of the Astronomical Society of Bulgaria, 2015, 4, 1-12
80. Георгиев, Ц., Диаграми на основни зависимости в Слънчевата система. Двете групи големи планети, 2015, Publications of the Astronomical Society of Bulgaria, 4, 13-25
81. Ибрямов, С., Затъмнения и транзит през 2016 г., 2015, Астрономически календар за 2016 г., 47-51
82. Ибрямов, С., Астероиди - кратка история на откриването. Някои данни и факти за 30 астероиди, носещи български имена., 2015, Publications of the Astronomical Society of Bulgaria, 4, 26-47
83. Костов, А., Кометите през 2016 г., 2015, Астрономически календар за 2016 г., 61-65

Publications year: 2015

84. Костов А., Маркишки П.. Данни за планетите Меркурий, Венера, Марс, Юпитер, Сатурн и Нептун. Астрономически календар 2016, 2015, ISSN:0861-1270, 33 – 46
85. Латев, Г., Видимост на планетите през 2016 г., 2015, Астрономически календар за 2016 г., 31-32
86. Маркишки, П.. Звездното небе през сезоните. Астрономически календар 2016, Парадигма, 2015, ISSN:ISSN 0861-1270, 66 - 69
87. Радева, В., Кюркчиева, Д., Димитров, Д., Борисов, Г., Дистанционните астрометрически наблюдения – иновация в обучението по астрономия, Chemistry: Bulgarian Journal of Science Education, 2015, 24, 5, 701
88. Илиев, И., “Химически пекулярни звезди от спектрален клас А”, 2015, София, изд. Мултипринт-София, 1-240 pp, ISBN 978-9-543-62167-5