

Publications year: 2014

1. Apostolovska, G., Donchev, Z., Kostov, A., Ivanova, V., Borisov, G., Bilkina, B., Photometry and shape modeling of Mars crosser asteroid 1011 Laodamia, 2014, *SerAJ*, 189, 79-85
2. Auriere, M., Konstantinova-Antova, R., Espagnet, O., Petit, P., Roudier, T., Charbonnel, C., Donati, J.-F., Wade, G. A., Pollux: a stable weak dipolar magnetic field but no planet?, 2014, *IAUS*, 302, 359-362
3. Auriere, M., Lignieres, F., Konstantinova-Antova, R., Charbonnel, C., Petit, P., Tsvetkova, S., Wade, G. A., Descendants of Magnetic and non-Magnetic A-type Stars, 2014, in *Putting A Stars into Context: Evolution, Environment, and Related Stars*, by G. Mathys et al. (eds.), Moscow, Pero Publishing House, 444-450
4. Bachev, R., Strigachev, A., Semkov, E., Boeva, S., Peneva, S., Ibryamov, S., Stoyanov, K., Spassov, B., Tsvetkova, S., Mihov, B., Latev, G., Dimitrov, D., Photometric reverberation mapping of Markarian 279, 2014, *BlgAJ*, 20, 26-30
5. Bambery, R., Pravdo, S., Jawrence, K. J., Kuluhiwa, K., Hicks, M., Thicksten, R., Helin, E. F., Hovland, E., Bickler, T., ..., Ibryamov, S. et al., Minor Planet Observations [644 Palomar Mountain/NEAT], 03/2014, *MPC*, 87207, 2
6. Bonev, T., Tomov, T., Swierczynski, E., Iliev, I., Dimitrov, D., Markov, H., Stoyanov, K., Belcheva, M., Nikolov, G., Nikolov, P., Chanliev, D., Churalski, M., Nikolov, Y., Kurtenkov, A., Stateva, I., Petrov, N., Dimitrov, W., Musaev, F., Tsvetanov, Z., Miloushev, I., Tenev, T., Optical spectroscopy and photometry of SN2014J in M82, 2014, *ATel*, 5829, 1
7. Borisova, A., Konstantinova-Antova, R., Aurière, M., Petit, P., Charbonnel, C., A Hertzsprung-gap giant 31 Comae in 2013: Magnetic field and activity indicators, 2014, *IAUS*, 302, 365-366
8. Bozhilov, V., Ovcharov, E., Nikolov, G., Optical photopolarimetry of blazar OJ287, 2014, *MNRAS*, 439, 639-643
9. Cvetkovirc, Z., Pavlovirc, R., Damljanovirc, G., Boeva, S., Latev, G., Bulgarian - Serbian collaboration: CCD observations of visual double and multiple stars and extragalactic radio sources, 2014, *BlgAJ*, 21, 24-30
10. Damljanovic, G., Taris, F., Boeva, S., Latev, G., Optical data of ERS made at 60 cm ASV and 2 m Rozhen telescopes useful for the link of ICRF - future Gaia CRF, *Proc. of Journees 2013 "Systemes de Reference reference systems"*, N. Capitaine (ed.), Observatoire de Paris, 2014, 91-94
11. Damljanovic, G., Vince, O., Boeva, S., Gaia Science Alerts and the Observing Facilities of the Serbian-Bulgarian Mini-Network Telescopes, 2014, *SerAJ*, 188, 85-93
12. Dimitrov D., Kjurkchieva D., SN2011by: Rozhen photometry and spectra, 2014, *BlgAJ*, 20, 3-13
13. Dimitrov, W., Fagas, M., Kamiński, K., Kolev, D., Kwiatkowski, T., Bąkowska, K., Rożek, A., Bartczak, P., Borczyk, W., Schwarzenberg-Czerny, A., Spectroscopy of HD 86222 - a quintuple system with an eclipsing component, 2014, *A&A*, 564, A26
14. Duchlev, P., Koleva, K., Dechev, M.; Petrov, N., Three successive eruptions of a prominence

Publications year: 2014

observed by the coronagraph in the Rozhen-NAO, 2014, BlgAJ, 21, 92-106

15. Errmann, R., Torres, G., Schmidt, T. O. B., ..., Dimitrov, D. P. et al., Investigation of a transiting planet candidate in Trumpler 37: An astrophysical false positive eclipsing spectroscopic binary star, 2014, AN, 335, 345-356, ISSN 0004-6337

16. Galan, C., Wychudzki, P., Mikolajewski, M., Tomov, T., Dimitrov, D., The 2014 Eclipse of EE Cep: Announcement for a Third International Observational Campaign, 2014, IBVS, 6111, 1-4

17. Georgiev, Ts. B., Graphic presentation of the simplest statistical tests, 2014, BlgAJ, 20, 14-25

18. Georgiev, Ts. B., Distributions of the Solar system bodies by mass, density and orbits, 2014, 9th Conference "Space, Ecology, Security", 2013, Institute of Space research and Technologies, BAS, 79-85

19. Georgiev, Ts. B., Robust smoothing of time series by simple fast algorithm. Tracing of trend in stellar flickering and continuum of stellar spectrum, 2014, Aerospace Research in Bulgaria, 26, 12 p.

20. Huang, Z., Madjarska, M. S., Koleva, K., Doyle, J. G., Duchlev, P., Dechev, M., Reardon, K., Halpha spectroscopy and multiwavelength imaging of a solar flare caused by filament eruption, 2014, A&A, 566, A148

21. Ibryamov, S., Semkov, E., Peneva, S., A long-term UBVRI photometric study of the pre-main sequence star V350 Cep, 2014, RAA, 14, 1264-1268

22. Ibryamov, S., Semkov, E., Peneva, S., Long-term photometric study of pre-main sequence stars in the "Gulf of Mexico", 2014, The Olympian Symposium on Star Formation, Paralia Katerini's, Mt. Olympus, Greece, 26-30 May 2014, p. 44

23. Ibryamov, S., Kostov, A., et at., Observations and Orbits of Comets, MPEC, 2014-L52

24. Ibryamov, S., Nikolov, G., Radeva, V., Kostov, A., Napetova, M., Minor Planet Observations [071 NAO Rozhen], 08/2014, MPC, 89138, 1

25. Ibryamov, S., Comet Observations [071 NAO Rozhen], 07/2014, MPC, 88765, 2

26. Ibryamov, S., Radeva, V., Kostov, A., Minor Planet Observations [071 NAO Rozhen]07/2014, MPC, 88806, 2

27. Ibryamov, S., et al., Observations and Orbits of Comets, 07/2014, MPEC, 2014-N57

28. Ibryamov, S., et. al., Observations and Orbits of Comets, 05/2014, MPEC, 2014-K54,

29. Ibryamov, S., Kostov, A., 06/2014, MPC, 88410, 2, „Comet Observations [071 NAO Rozhen]“

30. Ibryamov, S., Kostov, A., 06/2014, MPC, 88463, 1, „Minor Planet Observations [071 NAO Rozhen]“

31. Iliev, I. What Astronomy with Meter-Class Telescopes? Sharing Experience with the Next-Door

Publications year: 2014

Observatory, 2014, Contrib. Astron. Obs. Skalnaté Pleso, 43, 169-173

32. Kirilova D., Neutrinos and Physics Beyond Electroweak and Cosmological Standard Models, 2014, in Theme Collection "Cosmology and Particle Physics beyond Standard Models, L. Álvarez-Gaumé et al. (eds.), CERN–Proceedings–2014–001, 131-138

33. Kjurkchieva, D. P., Dimitrov, D. P., Ibryamov, S. I., ASAS 000709+2621.5 is an overcontact eclipsing binary, not a delta Sct variable, 2014, IBVS, 6113, 1-4

34. Kjurkchieva, D., Dimitrov, D., Vladev, A., The improved code TAC maker for modeling of planet transits, 2014, BlgAJ, 21, 85-91

35. Kjurkchieva, D., Dimitrov, D., Ibryamov, S., Atanasova, T., Photometric study of the short-period eclipsing star ROTSE1 J171630.99+433832.1, 2014, BlgAJ, 21, 15-18

36. Koleva, K., Destabilization and eruption of solar prominences, 2014, BlgAJ, 20, 100-101

37. Komitov, B., Duchlev, P., 2014, Synthetic solar x-ray flares time series since 1968 ad, 40th COSPAR Scientific Assembly, 2-10 August 2014, in Moscow, Russia, COSPAR 40, 1562.

38. Konstantinova-Antova, R., Aurière, M., Charbonnel, C., Drake, N. A., Wade, G., Tsvetkova, S., Petit, P., Schröder, K.-P., Lèbre, A., Magnetic fields in single late-type giants in the Solar vicinity: How common is magnetic activity on the giant branches?, 2014, IAUS, 302, 373-376

39. Kostov A., Latev G., Vassileva L., et al., Observations and Orbits of Comets, MPEC, 2014-A83

40. Kostov A., Nikolov G., et al., Observations and Orbits of Comets, MPEC, 2014-B85

41. Kostov, A., et al., Observations and Orbits of Comets, MPEC, 2014-E18

42. Kostov, A., et al., Observations and Orbits of Comets, MPEC, 2014-E68

43. Kostov, A., et al., Observations and Orbits of Comets, MPEC, 2014-E86

44. Kurtenkov, A., Ovcharov, E., Nikolov, G., Rotation Periods of 3618 Kuprin and 3896 Pordenone, 2014, Minor Planet Bulletin, 41(2), 112-113

45. Lèbre, A., Aurière, M., Fabas, N., Gillet, D., Herpin, F., Konstantinova-Antova, R., Petit, P., Search for Surface Magnetic Fields in Mira Stars. First Detection in χ Cyg, 2014, A&A, 561, A85

46. Lèbre, A., Aurière, M., Fabas, N., Gillet, D., Herpin, F., Petit, P., Konstantinova-Antova, R., Search for surface magnetic fields in Mira stars: first results on χ Cyg, 2014, IAUS, 302, 385-388

47. Maciejewski G., Ohlert J., Dimitrov D., Puchalski D., Nedoroscik J., Vanko M., Marka C., Baar S., Raetz St., Seeliger M., Neuhauser R., Revisiting Parameters for the WASP-1 Planetary System, 2014, Acta Astronomica, 64, 11-26

48. Maciejewski, G., Dimitrov, D., Kjurkchieva, D., Bukowiecki, L., Puchalski, D., New transit observations of WASP-12 b, 2014, XXXVI Polish Astronomical Society Meeting, Proceedings of the conference held 11-14 September, 2013. Edited by A. Rozanska, and M. Bejger, 170-172

Publications year: 2014

49. Markova, N., Puls, J., Simon-Diaz, S., Herrero, A., Markov, H., Langer, N., Spectroscopic and physical parameters of Galactic O-type stars. II. Observational constraints on projected rotational and extra broadening velocities as a function of fundamental parameters and stellar evolution, 2014, *A&A*, 562, A37
50. Marsden, S. C., Petit, P., Jeffers, S. V., Morin, J., Fares, R., Reiners, A., do Nascimento, J.-D., Aurière, M., Bouvier, J., Carter, B. D., Catala, C., Dintrans, B., Donati, J.-F., Gastine, T., Jardine, M., Konstantinova-Antova, R., Lanoux, J., Lignières, F., Morgenthaler, A., Ramírez-Vélez, J. C., Théado, S., Van Grootel, V., A BCool magnetic snapshot survey of solar-type stars, 2014, *MNRAS*, 444, 3517-3536
51. Nikolov, G., Ibryamov, S., Radeva, V., Kostov, A., Napetova, M., et al., Observations and Orbits of Comets, MPEC, 2014-O54
52. Nikolov, G., Ibryamov, S., Radeva, V., Kostov, A., Napetova, M., Comet Observations [071 NAO Rozhen], 08/2014, MPC, 89093, 1
53. Nikolov, T., Petrov, N., Main Factors Influencing Climate Change: a Review 2014, *Comptes rendus de l'Académie bulgare des Sciences*, 67, 1455-1476
54. Netopil, M., Paunzen, E., Maitzen H.M., Pintado, O., Iliev, I. Kh., Chemically Peculiar Upper Main Sequence Stars in the Milky Way and Beyond, 2014, in *Putting A Stars into Context: Evolution, Environment, and Related Stars*, by G. Mathys et al. (eds.), Moscow, Pero Publishing House, 10-18
55. Panayotova, M. Kirilova, D., The dependence of the baryon asymmetry generation on the couplings of the baryon charge carrying scalar field, 2014, *BlgAJ*, 20, 45-50
56. Panov, K. P., Study of Possible Local Quasars IV. Effects of Discretization in Relations for QSOs and Search for Quasar-Stellar-Planetary Connections, 2014, *The Open Astronomy Journal*, 7, 12-21
57. Paunzen, E., Iliev, I. Kh., Fossati, L., Heiter, U., Weiss, W. W., Investigating the Possible Connection between Lambda Bootis Stars and Intermediate Population II Type Stars, 2014, *A&A*, 567, A67
58. Paunzen, E., Iliev, I. Kh., Pintado, O. I., Baum, H., Maitzen, H. M., Netopil, M., Onehag, A., Zejda, M., Fraga, L., The First Delta-a Observations of Three Globular Clusters, 2014, *MNRAS*, 443, 2492-2498
59. Poghosyan, A. V., Pfau, W., Tsvetkova, K. P., Mugrauer, M., Tsvetkov, M. K., Hambaryan, V. V., Neuhäuser, R., Wide-Field Plate Archive of the University Observatory Jena, 2014, *AN*, 335, 440-447
60. Poljančić Beljan, I., Jurdana-Šepić, R., Semkov, E. H., Ibryamov, S., Peneva, S. P., Tsvetkov, M. K., Long-term photometric observations of pre-main sequence objects in the field of North America/Pelican Nebula, 2014, *A&A*, 568, A49
61. Pribulla T., Vanko M., ..., Dimitrov, D. et al., The Dwarf project. First results, 2014, *Contrib.*

Publications year: 2014

Astron. Obs. Skalnaté Pleso, 43, 375-381

62. Sabín-Sanjulián, C., Simón-Díaz, S., Herrero, A., Walborn, N. R., Puls, J., Maíz Apellániz, J., Evans, C. J., Brott, I., de Koter, A., García, M., Markova, N., Najarro, F., Ramírez-Agudelo, O. H., Sana, H., Taylor, W. D., Vink, J. S., The VLT-FLAMES Tarantula Survey. XIII: On the nature of O Vz stars in 30 Doradus, 2014, *A&A*, 564, A39
63. Seeliger M., Dimitrov D., Kjurkchieva D., Mallonn M., Fernandez M., Kitzte M., Casanova V., Maciejewski G., Ohlert J. M., Schmidt J. G., Pannicke, A., Puchalski, D., Göğüş, E., Güver, T., Bilir, S., Ak, T., Hohle, M. M., Schmidt, T. O. B., Errmann, R., Jensen, E., Cohen, D., Marschall, L., Saral, G., Bernt, I., Derman, E., Gañan, C., Neuhäuser, R., Transit timing analysis in the HAT-P-32 system, 2014, *MNRAS*, 441, 304-315
64. Semkov, E., Peneva, S., Ibryamov, S., Dimitrov, D., The unusual photometric behavior of the new FUor star V2493 Cyg (HBC 722), 2014, *BlgAJ*, 20, 50-67
65. Semkov, E., My Favorite Object: The FU Orionis Object HBC 722, 2014, *The Star Formation Newsletter*, 256, 5-8
66. Semkov, E., Peneva, S., Ibryamov, S., The long-term optical evolution of FUor and FUor-lake objects, 2014, *The Olympian Symposium on Star Formation, Paralia Katerini's, Mt. Olympus, Greece, 26-30 May 2014*, p. 62
67. Slavcheva-Mihova, L., Mihov, B., Iliev, I., 3C 273 - Fifty Years Later, 2014, *BlgAJ*, 20, 51-58
68. Stoyanov, K. A., Zamanov, R. K., Bode, M. F., Pritchard, J., Tomov, N. A., Gomboc, A., Koleva, K., Emission line variability in the spectrum of V417 Centauri 2014, *BlgAJ*, 21, 32-42
69. Stoyanov, K. A., Zamanov, R. K., Latev, G. Y., Abedin, A. Y., Tomov N. A., Orbital parameters of the high-mass X-ray binary 4U 2206+54, 2014, *AN*, 335, 1060-1063
70. Stoyanov, K., Latev, G., Nikolov, G., Zamanov, R., Sokoloski, J. L., Reappearance of the optical flickering from the symbiotic star CH Cyg, 2014, *ATel*, 6560, 1
71. Tomov N. A., Tomova M. T., Bisikalo D. V., Symbiotic stars with spectral indication of bipolar ejection and stellar wind, 2014, *AN*, 335, 178-188
72. Tomov, T., Swierczynski, E., Puchalski, D., Dimitrov, D., Chanliev, D., Kurtenkov, A., Bonev, T., Marchev, D., Kjurkchieva, D., Optical photometry and spectroscopy of Nova Cyg 2014, 2014, *ATel*, 6060, 1
73. Tomova M. 2014, Wind's emission of the compact secondary in Z And during its 2000 – 2002 outburst, 2014, *BlgAJ*, 21, 66-73
74. Tsonev, L., Kolev, D., The Sardinian type underground well temple at Garlo, Bulgaria: an architectural and astronomical survey, 2014, *Journal of Astronomical History and Heritage*, 17, 222-237
75. Tsvetanov, Z. I., Markov, H., Belcheva, M., Iliev, I., Stateva, I.. Masses and Radii of Low-Mass Companions in Short Period Eclipsing Binary Systems Selected from STEREO Data, 2014, *Bull.*

Publications year: 2014

Amer. Astron. Soc, 223, No155.16

76. Tsvetkova, S., Petit, P., Konstantinova-Antova, R., Aurière, M., Wade, G. A., Charbonnel, C., Drake, N. A., Magnetic Field Structure and Activity of the He-burning Giant 37 Comae, 2014, IAUS, 302, 367-368

77. Ulusoy, C., Ulaş, B., Damasso, M., Carbognani, A., Cenadelli, D., Stateva, I., Iliev, I Kh., Dimitrov, D., Seismic investigation of the γ Dor star KIC 6462033: The first results of Kepler and ground-based follow up observations, 2014, IAUS, 301, 509-510

78. Ulusoy, C., Stateva, I., Iliev, I. Kh., Ulas, B., Frequency and Spectrum Analysis of Gamma Doradus Type Kepler Target KIC 6462033, 2014, New Astronomy, 30, 28-31

79. Walborn, N. R., Sana, H., Simón-Díaz, S., Maíz Apellániz, J., Taylor, W. D., Evans, C. J., Markova, N., Lennon, D. J., de Koter, A., The VLT-FLAMES Tarantula Survey. XIV. The O-type stellar content of 30 Doradus, 2014, A&A, 564, A40

80. Zamanov, R., Marti, J., Stoyanov, K., Borissova, A., Tomov, N. A., Connection between orbital modulation of H α and gamma-rays in the Be/X-ray binary LS I+61°303, 2014, A&A, 561, L2

81. Бачев, Р., Семков, Е., 50 години Астрономическа обсерватория Белоградчик, 2014, Астрономически календар за 2015 г., 118

82. Георгиев, Ц., Някои нарушения на естествения порядък в Слънчевата система, 2014, Пета международна научна конференция „Екологизация 2013”, НБУ, София, 6 р.

83. Георгиев, Ц., Правилото на Тициус-Бодде-Дърмот в Слънчевата система, 2014, Пета международна научна конференция „Екологизация 2013”, НБУ, София, 7 р.

84. Георгиев, Ц., Построяване на регресии при множество силно отклоняващи се данни по Метода на отбраните най-малки квадрати, 2014, Publications of the Astronomical Society of Bulgaria, 15 р.

85. Ибрямов, С., Затъмнения през 2015 г., 2014, Астрономически календар за 2015 г., 47-49

86. Иванова, Ст., Колева, В., Колев, Д., Теренни издирвания и астрономически наблюдения в Източните Родопи, 2014, Археологически открития и разкопки през 2013 г., 635-638

87. Латов, Г., Видимост на планетите през 2015 г., 2014, Астрономически календар за 2015 г., 32-33

88. Б. Комитов, П. Духлев, Д. Кирилова, Г. Бяндов, Н. Кискинова, Връзката "Слънце-климат" в годишните кръгове на дърветата, 2014, Ст. Загора, изд.Алфа Визия, ISBN 978-954-9483-28-4; 103 стр.

89. Б. Комитов, П. Духлев, Д. Кирилова, Г. Бяндов, Н. Кискинова, Т. Бонев, Н. Петров, П. Николов, Ц. Цветков, А. Стойчева, Каталог на дървесните образци събрани през 2013 г. от територията на България, 2014, Ст.Загора, изд. Алфа Визия, ISBN 978-954-9483-29-1, 61 стр.

90. Б. Комитов, Архив “Космическо време” т.1. (6 август 2012- 31 март 2013г), 2014, Ст.

Publications year: 2014

Загора, изд Алфа Визия, ISBN 978-954-9483-31-4, 212 стр.

91. Костов, А., Кометите през 2015 г., 2014, Астрономически календар за 2015 г., 60-65

92. Костов, А., Обекти в Слънчевата система, 2014, Астрономически календар за 2015 г., 75

93. Костов, А., Куртенков, А., Наблюдения на малки тела от Слънчевата система, 2014, Астрономически календар за 2015 г., 76-77

94. Семков, Е., 20 години от създаването на Институт по астрономия към БАН, 2014, Астрономически календар за 2015 г., 5