

Список публикаций А. В. Вишневой

Публикации в рецензируемых журналах

1. **A. Vishneva** and M. Volkov (2014) Radiative decays of radially excited pseudoscalar mesons in the extended Nambu-Jona-Lasinio model. *Phys.Part.Nucl.Lett.* 11, 352-356.
2. **A. Vishneva** and M. Volkov (2014) Radially Excited Axial-Vector Mesons in the extended Nambu-Jona-Lasinio model. *Int.J.Mod.Phys. A*29, no. 24, 1450125.
3. **A. Vishneva**, M. Volkov, and D. Kostunin (2014) The decay $\tau \rightarrow f_1 \pi^0$ in the Nambu-Jona-Lasinio model. *Eur.Phys.J. A*50, 137.
4. M. Agostini et al. (2015) A test of electric charge conservation with Borexino. *Phys.Rev.Lett.* 115, 231802.
5. P. Agnes et. al. (2015) Results from the first use of low radioactivity argon in a dark matter search. *Phys.Rev. D*93 (2016) no.8, 081101.
6. P. Agnes et. al. (2015) The veto system of the DarkSide-50 experiment. *JINST* 11 (2016) no.03, P03016.
7. P. Agnes et al. (2016) The DarkSide Project. *JINST* 11, no.2, C02051.
8. P. Agnes et al. (2016) The Electronics and Data Acquisition System for the DarkSide-50 Veto Detectors. *JINST* 11 no.12, P12007.
9. M. Agostini et al. (2017) Borexino's search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. *Astropart.Phys.* 86,11-17.
10. P. Agnes et al. (2017) Effect of Low Electric Fields on Alpha Scintillation Light Yield in Liquid Argon. *JINST* 12, P01021.
11. P. Agnes et al. (2017) CALIS - a CALibration Insertion System for the DarkSide-50 dark matter search experiment. *JINST* 12 (2017) no.12, T12004.
12. M. Agostini et al. (2017) Seasonal Modulation of the ^{7}Be Solar Neutrino Rate in Borexino. *Astropart.Phys.* 92 (2017) 21-29.
13. M. Agostini et al. (2017) The Monte Carlo simulation of the Borexino detector. *Astropart.Phys.* 97 (2018) 136-159.
14. C. Aalseth et al. (2017) Cryogenic Characterization of FBK RGB-HD SiPMs. *JINST* 12 (2017) no.09, P09030.
15. M. Agostini et al. (2017) A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. *Astrophys.J.* 850 (2017) no.1, 21.
16. P. Agnes et al. (2017) Simulation of argon response and light detection in the DarkSide-50 dual phase TPC. *JINST* 12 (2017) no.10, P10015.
17. C. E. Aalseth et al. DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. *Eur.Phys.J.Plus* 133 (2018) 131.
18. M. Agostini et al. (2017) Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. *Phys.Rev. D*96 (2017) no.9, 091103.

19. P. Agnes et al. (2017) The Electronics, Trigger and Data Acquisition System for the Liquid Argon Time Projection Chamber of the DarkSide-50 Search for Dark Matter. *JINST* 12 (2017) no.12, P12011.
20. P. Agnes et al. (2018) Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. *Nucl. Instrum. Meth. A* 904 (2018) 23-34.
21. P. Agnes et al. (2018) DarkSide-50 532-day Dark Matter Search with Low-Radioactivity Argon. *Phys.Rev.D* 98 (2018) 10, 102006.
22. P. Agnes et al. (2018) Low-mass Dark Matter Search with the DarkSide-50 Experiment. *Phys.Rev.Lett.* 121 (2018) 8, 081307.
23. P. Agnes et al. (2018) Constraints on Sub-GeV Dark Matter-Electron Scattering from the DarkSide-50 Experiment. *Phys.Rev.Lett.* 121 (2018) 11, 111303.
24. M. Agostini et al. (2018) Modulations of the Cosmic Muon Signal in Ten Years of Borexino Data. *JCAP* 1902 (2019) 046.
25. M. Agostini et al. (2018) Comprehensive measurement of pp-chain solar neutrinos. *Nature* 562 (2018) no.7728, 505-510.
26. M. Agostini et al. (2019) First Simultaneous Precision Spectroscopy of pp, ^{7}Be , and pep Solar Neutrinos with Borexino Phase-II. *Phys.Rev.D* 100 (2019) 8, 082004.
27. M. Agostini et al. (2019) Comprehensive geoneutrino analysis with Borexino. *Phys. Rev. D* 101 (2020) no.1, 012009.
28. P. Agnes et al. (2019) Measurement of the ion fraction and mobility of ^{218}Po produced in ^{222}Rn decays in liquid argon. *JINST* 14 (2019) 11, P11018.
29. M. Agostini et al. (2020) Improved measurement of ^{8}B solar neutrinos with 1.5 kt y of Borexino exposure. *Phys.Rev.D* 101 (2020) 6, 062001.
30. S. K. Agarwalla et al. (2020) Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. *JHEP* 2002 (2020) 038.
31. C. E. Aalseth et al. (2020) Design and Construction of a New Detector to Measure Ultra-Low Radioactive-Isotope Contamination of Argon. *JINST* 15 (2020) 02, P02024.
32. P. Agnes et al. (2020) Effective field theory interactions for liquid argon target in DarkSide-50 experiment. *Phys.Rev.D* 101 (2020) 6, 062002.
33. M. Agostini et al. (2021) Search for low-energy neutrinos from astrophysical sources with Borexino. *Astropart.Phys.* 125 (2021) 102509.
34. C. E. Aalseth et al. SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. *Eur.Phys.J.C* 81 (2021) 2, 153.
35. M. Agostini et al. Sensitivity to neutrinos from the solar CNO cycle in Borexino. *Eur.Phys.J.C* 80 (2020) 11, 1091.
36. M. Agostini et al. Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun. *Nature* 587 (2020) 577-582.
37. P. Agnes et al. Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. *JCAP* 03 (2021) 043.
38. P. Agnes et al. Separating ^{39}Ar from ^{40}Ar Ar by cryogenic distillation with Aria for dark-matter searches.

Eur.Phys.J.C 81 (2021) 4, 359.

39. M. Agostini et al. Identification of the cosmogenic ^{11}C background in large volumes of liquid scintillators with Borexino. Eur.Phys.J.C 81 (2021) 12, 1075.
40. P. Agnes et al. Calibration of the liquid argon ionization response to low energy electronic and nuclear recoils with DarkSide-50. Phys.Rev.D 104 (2021) 8, 082005.
41. P. Agnes et al. A study of events with photoelectric emission in the DarkSide-50 liquid argon Time Projection Chamber. Astropart.Phys. 140 (2022) 102704.
42. A. Sheshukov, A. Vishneva, A Habig. Combined detection of supernova neutrino signals. JCAP 12 (2021) 12, 053.
43. M. Agostini et al. Correlated and integrated directionality for sub-MeV solar neutrinos in Borexino. Phys.Rev.D 105 (2022) 5, 052002.
44. S. Appel et al. Search for low-energy signals from fast radio bursts with the Borexino detector. Eur.Phys.J.C 82 (2022) 3, 278.
45. M. Agostini et al. First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino. Phys.Rev.Lett. 128 (2022) 9, 091803.
46. S. Appel et al. Improved Measurement of Solar Neutrinos from the Carbon-Nitrogen-Oxygen Cycle by Borexino and Its Implications for the Standard Solar Model. Phys.Rev.Lett. 129 (2022) 25, 252701.
47. P. Agnes et al. Search for Dark-Matter–Nucleon Interactions via Migdal Effect with DarkSide-50. Phys.Rev.Lett. 130 (2023) 10, 101001.
48. P. Agnes et al. Search for Dark Matter Particle Interactions with Electron Final States with DarkSide-50. Phys.Rev.Lett. 130 (2023) 10, 101002.
49. P. Agnes et al. Sensitivity projections for a dual-phase argon TPC optimized for light dark matter searches through the ionization channel. Phys.Rev.D 107 (2023) 11, 112006.
50. P. Agnes et al. Search for low mass dark matter in DarkSide-50: the bayesian network approach. Eur.Phys.J.C 83 (2023) 322.
51. D. Basilico et al. Borexino’s search for low-energy neutrinos associated with gravitational wave events from GWTC-3 database: Borexino Collaboration. Eur.Phys.J.C 83 (2023) 6, 538.

Препринты

1. P. Agnes et al. Search for dark matter annual modulation with DarkSide-50. 2307.07249 [hep-ex]
2. D. Basilico et al. Final results of Borexino on CNO solar neutrinos. 2307.14636 [hep-ex]

Труды конференций

1. A. Vishneva et al. (2016) Test of the electric charge conservation law with Borexino detector. J. Phys. Conf. Ser. 675, no.1, 012025.
2. A. Vishneva et al. (2017) Test of the electron stability with the Borexino detector. J.Phys.Conf.Ser. 888 (2017) no.1, 012193.

3. A. Vishneva et al. (2019) Limit on the effective magnetic moment of solar neutrinos using Borexino data. Proceedings of the 5th International Solar Neutrino Conference, pp. 301-311. DOI: 10.1142/9789811204296_0018.
4. Z. Bagdasarian, X.F. Ding, A. Vishneva (2020) Analytical response function for the Borexino solar neutrino analysis. J. Phys. Conf. Ser. 1342 (2020) 1, 012105.
5. X.F. Ding, A. Vishneva, O. Penek, S. Marcocci (2020) GooStats Based Analytical Multivariate Analysis in Borexino Phase-II Precision Measurement of Low Energy Solar Neutrino Flux. Proceedings of LP-2017, DOI: 10.1142/9789811207402_0027.