

Лубашевский Алексей Владимирович,

(ЛЯП - Научно-экспериментальный отдел ядерной спектроскопии и радиохимии - Сектор №1 спектрометрии ядерных излучений, старший научный сотрудник)

Список научных работ

за период с 2015 по 2020 гг. (данные на 04.09.2020)

Публикации в рецензируемых журналах (зарубежные):

1. Production, characterization and operation of ^{76}Ge enriched BEGe detectors in GERDA
GERDA collaboration, Eur.Phys.J. C, 75, 2, 39, 2015
2. Limit on neutrinoless double beta decay of ^{76}Ge by GERDA
GERDA collaboration, Physics Procedia, Изд:Elsevier, 61, 828-837, 2015
3. Improvement of the energy resolution via an optimized digital signal processing in GERDA. Phase I
GERDA collaboration, Eur.Phys.J. C, 75, 255, 2015
4. Results on bb decay with emission of two neutrinos or Majorons in ^{76}Ge from GERDA Phase I
Eur.Phys.J. C, 75, 416, 2015
5. $2\nu\beta\beta$ decay of ^{76}Ge into excited states with GERDA phase I
J. Phys. G: Nucl. Part. Phys., 42, 115201, 2015
6. LArGe: active background suppression using argon scintillation for the Gerda $0\nu\beta\beta$ -experiment
M. Agostini, M. Barnabe-Heider, D. Budjas, C. Cattadori, A. Gangapshev, K. Gusev, M. Heisel, M. Junker, A. Klimenko, A. Lubashevskiy, K. Pelczar, S. Schönert, A. Smolnikov, G. u др., Eur. Phys. J. C, Изд:Springer-Verlag / Società Italiana di Fisica, 75, 506, 2015
7. The GeN experiment at the Kalinin Nuclear Power Plant
V. Belov, V. Brudanin, V. Egorov, D. Filosofov, M. Fomina, Yu. Gurov, L. Korotkova, A. Lubashevskiy, D. Medvedev, R. Pritula, I. Rozova, S. Rozov, V. Sandukovsky, V. Timkin, E. Yak u др., Journal of Instrumentation, ISSN:1748-0221, Изд:IOP Publishing, 10, 12011, 2015
8. Flux modulations seen by the muon veto of the Gerda experiment
The GERDA collaboration, Astroparticle Physics, ISSN:0927-6505, eISSN:1873-2852, Изд:Elsevier Science Limited, 84, 29-35, 2016
9. Background-free search for neutrinoless double- β decay of Ge-76 with GERDA
Nature, ISSN:0028-0836, eISSN:1476-4687, Изд:Nature Publishing Group, a division of Macmillan Publishers Limited, 544, 7648, 2017
10. Limits on uranium and thorium bulk content in Gerda Phase I detectors
The GERDA collaboration, Astroparticle Physics, ISSN:0927-6505, eISSN:1873-2852, Изд:Elsevier Science Limited, 91, 15-21, 2017
11. The large enriched germanium experiment for neutrinoless double beta decay (LEGEND)
GERDA/LEGEND collaboration (авторы ОИЯИ: В.Б.Бруданин, К.Н.Гусев, И.В.Житников, Д.Р.Зинатулина, А.А.Клименко, О.И.Кочетов, А.В.Лубашевский, И.Б.Немченко, Н.С.Румянцева, А.А.Смоль и др.), AIP Conference Proceedings 1894, 020027 (2017), 1894, 020027, 1-8, 2017

12. Mitigation of $^{42}\text{Ar}/^{42}\text{K}$ background for the GERDA Phase II experiment
A. Lubashevskiy, M. Agostini, D. Budj??, A. Gangapshev, K. Gusev, M. Heisel, A. Klimenko, A. Lazzaro, B. Lehnert, K. Pelczar, S. Sch?nert, A. Smolnikov, M. Walter, G. Zuzel, The European Physical Journal C - Particles and Fields, Изд:Springer, 78, 15, 2018
13. Improved Limit on Neutrinoless Double- β Decay of ^{76}Ge from GERDA Phase II
GERDA collaboration, Physical Review Letters, ISSN:0031-9007, eISSN:1079-7114, Изд:American Physical Society, 120, 132503, 2018
14. Upgrade for Phase II of the GERDA Experiment
GERDA collaboration, The European Physical Journal C, ISSN:1434-6044, eISSN:1434-6052, Изд:Springer Berlin Heidelberg, 78, 388, 2018
15. GERDA results and the future perspectives for the neutrinoless double beta decay search using ^{76}Ge
GERDA collaboration (ОИЯИ: В.Б.Бруданин, К.Н.Гусев, И.В.Житников, Д.Р.Зинатулина, А.А.Клименко, О.И.Кочетов, А.В.Лубашевский, И.Б.Немченко, Н.С.Румянцева, А.А.Смольников, М.В.Фомина и др.), International Journal of Modern Physics A, Изд:World Scientific Publishing Company, 33, 9, 1843004, 1-35, 2018
16. Probing Majorana neutrinos with double- β decay
GERDA collaboration, Science, ISSN:0036-8075, eISSN:1095-9203, Изд:American Association for the Advancement of Science, 365, 1445-1448, 2019
17. Characterization of 30 ^{76}Ge enriched Broad Energy Ge detectors for GERDA Phase II
GERDA
GERDA collaboration (ОИЯИ: В.Б.Бруданин, К.Н.Гусев, И.В.Житников, Д.Р.Зинатулина, А.А.Клименко, О.И.Кочетов, А.В.Лубашевский, И.Б.Немченко, Н.С.Румянцева, А.А.Смольников, М.В.Фомин и др.), Eur. Phys. J. C, Изд:Springer-Verlag / Societ? Italiana di Fisica, 79, 978, 1-24, 2019
18. First Search for Bosonic Superweakly Interacting Massive Particles with Masses up to 1 MeV/c² with GERDA
GERDA collaboration, Physical Review Letters, ISSN:0031-9007, eISSN:1079-7114, Изд:American Physical Society, 125, 011801, 2020
19. Modeling of GERDA Phase II data
GERDA collaboration, Journal of High Energy Physics, ISSN:1126-6708, eISSN:1029-8479, Изд:Springer, 139, 2020



10.09.2020