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Институт ядерных исследований РАН

1. Ю.М.Гаврилюк, А.М.Гангапшев, В.В.Казалов, В.В.Кузьминов, С.И.Панасенко, С.С.Раткевич, Д.А. Текуева, С.П.Якименко. «Методика поиска 2К-захвата Xe-124 с помощью медного пропорционального счетчика».
Статья «Ядерная физика и инжиниринг», том 5, вып. 11-12, (2014), стр. 935-938
2. Yu. M. Gavrilyuk, A. M. Gangapshev, A. V. Derbin, V. V. Kazalov, H. J. Kim, Y. D. Kim, V. V. Kobychiev, V. V. Kuzminov, Luqman Ali, V. N. Muratova, S. I. Panasenکو, S. S. Ratkevich, D. A. Semenov, D. A. Tekueva, S. P. Yakimenko, E. V. Unzhakov. «First result of the experimental search for the 9.4 keV solar axion reactions with 83Kr in the copper proportional counter»
Physics of Particles and Nuclei, 2015, Volume 46, Issue 2, (2015), pp 152-156
3. Yu.M. Gavrilyuk, A.M. Gangapshev, V.V. Kazalov, V.V. Kuzminov, S.I. Panasenکو, S.S. Ratkevich, D.A. Tekueva, S.P. Yakimenko. “The origin of the background radioactive isotope Xe-127 in the enriched Xe-124”
arXiv 1507.04181 [nucle-ex] 15 July 2015
4. Yu.M. Gavrilyuk, A.M. Gangapshev, V.V. Kazalov, V.V. Kuzminov, S.I. Panasenکو, S.S. Ratkevich, D.A. Tekueva, S.P. Yakimenko. “Search for 2K(2ν)-capture of Xe-124”
arXiv:1507.04520 [nucl-ex]
5. Yu. M. Gavrilyuk, A. N. Gangapshev, A. V. Derbin, I. S. Drachnev, V. V. Kazalov, V. V. Kobychiev, V. V. Kuz'minov, V. N. Muratova, S. I. Panasenکو, S. S. Ratkevich, D. A. Semenov, D. A. Tekueva, E. V. Unzhakov, S. P. Yakimenko. “New experiment on search for the resonance absorption of solar axion emitted in the M 1 transition of 83 Kr nuclei”
JETP Letters, May 2015, Volume 101, Issue 10, pp 664-669
6. Yu.M. Gavrilyuk, A.M. Gangapshev, A.M. Gezhaev, R.A. Etezov, V.V. Kazalov, V.V. Kuzminov, S.I. Panasenکو, S.S. Ratkevich, D.A. Tekueva, S.P. Yakimenko.
“High-resolution ion pulse ionization chamber with air filling for the ²²²Rn decays detection”
Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment. Volume 801, 21 November 2015, Pages 27–33
7. D.Yu. Akimov, A.I. Bolozdynya, A.A. Burenkov, C. Hall, A.G. Kovalenko, V.V. Kuzminov, G.E. Simakov. “New method of 85Kr reduction in a noble gas based low-background detector”
2017_JINST_12_P04002
8. A.V. Derbin, I.S. Drachnev, A.M. Gangapshev, Yu.M. Gavrilyuk, V.V. Kazalov, V.V.Kobychiev, V.V. Kuzminov, V.N. Muratova, S.I. Panasenکو, S.S. Ratkevich, D.A. Tekueva, E.V. Unzhakov, S.P. Yakimenko. “Recent results of search for solar axions using resonant absorption by ⁸³Kr nuclei”.
arXiv:1711.03354.
9. S. S. Ratkevich, A. M. Gangapshev, Yu. M. Gavrilyuk, F. F. Karpeshin, V. V. Kazalov, V. V. Kuzminov, S. I. Panasenکو, M. B. Trzhaskovskaya, S. P. Yakimenko. “Comparative study of the double-K-shell-vacancy production in single- and double-electron-capture decay”.
PHYSICAL REVIEW C 96, 065502 (2017).
10. Yu. M. Gavrilyuk, A. M. Gangapshev, V. V. KAZALOV, V. V. Kuzminov, S. I. Panasenکو, A.D. Petrenko, S. S. Ratkevich, D. A. Tekueva, and S. P. Yakimenko. “The background

simulation of experiment for searching of 2K-capture in ^{124}Xe ".
Journal of Physics: Conference Series, V. 1390,2019, № 012055.

11. A. Kozlov, D. Chernyak, Y. Takemoto, K. Fushimi, K. Imagawa, K. Yasuda, H. Ejiri, R. Hazama, H. Ikeda, K. Inoue, S. Yoshida, R. A. Etezov, Yu. M. Gavriluk, V. V. Kazalov, V. V. Kuzminov and S. I. Panasenko. "The Dark Matter search at KamLAND"
Journal of Physics: Conference Series, V. 1390,2019, № 012118.

12. V. Alenkov, ..., V. V. Kuzminov et al. "First Results from the AMoRE-Pilot neutrinoless double beta decay experiment".

a) [arXiv:1903.09483v1](https://arxiv.org/abs/1903.09483v1) [hep-ex]

b) EPJC C (2019) 79: 791. <https://doi.org/10.1140/epjc/s10052-019-7279-1>