

Кількість статей за 2023 рік				Тези, кількість
у вітчизняних виданнях	у зарубіжних виданнях	у препринтах	у наукових фахових журналах (вітчизняних і зарубіжних), що входять до міжнародних баз даних	
32	107	20	137	128

**Публікації у виданнях, які індексуються
у міжнародних наукометричних базах даних**

Публікація	Наукометрична база даних, в якій проіндексовано журнал	Квартіль наукового журналу (Q) для статей	Адреса публікації
Gaidar G.P. Features of the longitudinal and transverse tensor resistances of low resistance n-Si, Physics Open. – December 2023. – Vol. 17. – P. 100171 (6).	Scopus	Q2	https://doi.org/10.1016/j.physo.2023.100171
Мосюк Т.І., Вернидуб Р.М., Литовченко П.Г., Мирошніченко Ю.Б., Стратілат Д.П., Тартачник В.П., Шлапацька В.В. Вплив опромінення електронами з $E = 2$ MeV на електрофізичні та оптичні характеристики зелених InGaN/GaN світлодіодів, Ядерна фізика та енергетика. 2023. – Т. 24, № 1. – С. 27–33.	Scopus, WoS	Q4	https://doi.org/10.15407/jnpae2023.01.027
K. Kohl, ..., M. Romaniuk, et al. Measurement of the $\gamma n \rightarrow K^0 \Sigma^0$ differential cross section over K^* threshold. Eur. Phys. J. A 59 (2023) 254	Scopus	Q1/Q2	https://doi.org/10.1140/epja/s10050-023-01133-1
T. Jude, ..., M. Romaniuk, et al. The BGOOD experiment at ELSA. Journal of Physics: Conference Series 2586 (2023) 012003	Scopus	Q1/Q2	doi:10.1088/1742-6596/2586/1/012003
К. А. Шаульський, С. П. Майданюк. “Квантові ефекти пікноядерних реакцій у компактних зорях: нові квазізв’язані стани та спектроскопія”. NUCL. PHYS. AT. ENERGY 24 (2023) 093-105	Scopus	Q3/Q4	https://doi.org/10.15407/jnpae2023.02.093
S. P. Maydanyuk, G. Wolf, K.A. Shaulskyi. “Synthesis of elements in compact stars in pycnonuclear reactions with Carbon isotopes: Quasibound states versus states of zero-points vibrations”. Universe 9(8) (2023) 354.	Scopus	Q1/Q2	https://doi.org/10.3390/universe9080354
V. Yu. Denisov, Simple expressions for calculation of proximity interaction of arbitrarily oriented deformed nuclei // International Journal of Modern Physics E 2023, v. 32, p. 2350005 (13 pages)	Scopus та WoS	Q3	DOI: 10.1142/S02183013235000522372
V. Yu. Denisov, Expression for the heavy-ion fusion cross section // Physical Review C 2023, v. B 2022, v. 152, p. 101582 (5 pages),	Scopus та WoS	Q1	DOI: 10.1103/PhysRevC.107.054618
V. Yu. Denisov, Pre-neutron emission average total kinetic energy of fission fragments // Atomic Data and Nuclear Data Tables 2023, v. 105, p. 014616 (15 pages)	Scopus та WoS	Q2	DOI: 10.1016/j.adt.2023.101582

V. I. Abrosimov, O.I. Davydovska, Dynamic effect of nuclear surface in isoscalar dipole modes // Nucl. Phys. A. 2023. V.1031. P. 122609	Scopus та WoS	Q2	DOI: 10.1140/epja/s10050-022-00841-4
V. O. Nesterov, Potential of the modified Thomas–Fermi method and its analytical representation by the example of ^{16}O nucleus interaction with $^{56,58,60,62,64}\text{Ni}$ isotopes // Ukr. J. Phys. Vol. 68, No. 2, P. 73 (2023)	Scopus та WoS	Q3	
V.I. Kirischuk, V.A. Ageev, A.M. Savrasov, M.V. Strilchuk, V.O. Zheltonozhsky, $^{178\text{m}2}\text{Hf}$ isomer production cross-sections for Ta target irradiated by α -particles in the energy range from 36 to 92 MeV. Applied Radiation and Isotopes. 2023. Vol. 198. P. 110864	Scopus та WoS	Q3	
В. О. Желтоножський, Д. Є. Мизніков, А. М. Саврасов, В. І. Слісенко, Д.М. Бондарьков, Визначення вмісту ^{41}Ca в радіоактивних матеріалах АЕС // Ядерна фізика та енергетика. – 2023. – у друці.	Scopus та WoS	Q4	
В.О. Желтоножський, Д. Є. Мизніков, А. М. Саврасов, Л.В. Садовніков, В. І. Слісенко, Визначення вмісту ^{93}Zr та ^{93}Mo в радіоактивних матеріалах АЕС // Український фізичний журнал. – 2023. – у друці.	Scopus та WoS	Q3	
Ivanyuk F.A., Radionov S.V., Ishizuka C., Chiba S. / The Langevin approach for fission of heavy and super-heavy nuclei // APhysPolBSupp. - 2023. -V. - 16. P. – 4-A20 (10 pages)	Scopus	Q4	10.5506/APhysPolBSupp.16.4-A20
Ishizuka C., Zhang X., Shimada K., Usang M., Ivanyuk F.A., Chiba S. / Nuclear fission properties of super heavy nuclei described within the four-dimensional Langevin model // Frontiers in Physics. - 2023. -V. – 11:1111868. P. - 1–10 (10 pages)	Scopus	Q2	https://doi.org/10.3389/fphy.2023.1111868
Magner A.G., Sanzhur A.I., Fedotkin S.N., Levon A.I., Grygoriev U.V., Shlomo S. / Nuclear level density in the statistical semiclassical micro-macroscopic approach // Nucl. Phys. At. Energy – 2023. – V. 24, № 3. – P. 175 – 192.	Scopus	Q3	https://doi:10.15407/jnpae2023.03.175
Magner A.G., Fedotkin S.N., Grigoriev U.V. / Particle-numbers fluctuations near the critical point of nuclear matter// Phys. Rev. C. – 2023. – V. 107, – P. 024610 (12 pages)	Scopus	Q1	https://doi.org/10.1103/PhysRevC.107.024610
Abrosimov V.I., Davydovska O.I. / Dynamic effects of nuclear surface in isoscalar dipole modes // Nucl. Phys. – 2023. –V. A1031, – P. 122609 (14 pages)	Scopus	Q2	https://doi.org/10.1016/j.nuclphysa.2023.122609
Абросімов В.І./ Збудження парних коливань у надплинних ядрах // Nucl. Phys. At. Energy. – 2023. –Vol. 23, – P. 223-229.	Scopus	Q3	https://doi.org/10.15407/jnpae2022.04.223
Lukyanov S.V. / Properties of the diffusion and drift kinetic coefficients in momentum space for a cold Fermi system // Nucl. Phys. At. Energy. – 2023. –Vol. 24, – P. 5 – 16.	Scopus	Q3	https://doi.org/10.15407/jnpae2023.01.005
Ivanyuk F.A., Ishizuka C., Chiba S. / The 5-dimensional Langevin approach to fission of atomic nuclei // arXiv:2310.19466[nucl-th] – 2023 (7 pages)		---	https://arxiv.org/abs/2310.19466v1
Magner A.G., Sanzhur A.I., Fedotkin S.N., Levon A.I., Grygoriev U.V., Shlomo S. / Pairing correlations within the micro-macroscopic approach for the level density // arXiv:2308.07784[nucl-th] – 2023. – (8 pages)		---	https://arxiv.org/abs/2308.07784v1
S.V.Radionov S.V. / Nuclear descent from the fission barrier in the presence of long-range memory effects // arXiv:2309.10696[nucl-th] – 2023. – (16 pages)	Scopus	---	https://arxiv.org/abs/2309.10696v1
C.Augier, A.S.Barabash, F.Bellini, G.Benato, M.Beretta, L.Berge, J.Billard, Yu.A.Borovlev, L.Cardani, N.Casali, A.Cazes, E.Celi, M.Chapellier, D.Chiesa, I.Dafinei, F.A.Danevich, M. De Jesus, T.Dixon, L.Dumoulin, K.Eitel, F.Ferri, B.K.Fujikawa, J.Gascon, L.Gironi, A.Giuliani, V.D.Grigorieva, M.Gros, D.L.Helis, H.Z.Huang, R.Huang, L.Imbert, J.Johnston, A.Juillard, H.Khalife, M.Kleifges, V.V.Kobychev, Yu.G.Kolomensky, S.I.Konovalov, J.Kotila, P.Loaliza, L.Ma, E.P.Makarov, P. de Marcillac, R.Mariam, L.Marini, S.Marnieros, X.-F.Navick, C.Nones, E.B.Norman,	WoS	Q1	https://doi.org/10.1103/PhysRevLett.131.162501 .

<p>E.Olivieri, J.L.Ouellet, L.Pagnanini, L.Pattavina, B.Paul, M.Pavan, H.Peng, G.Pessina, S.Pirro, D.V.Poda, O.G.Polischuk, S.Pozzi, E.Preitali, Th.Redon, A.Rojas, S.Rozov, V.Sanglard, J.A.Scarpaci, B.Schmidt, Y.Shen, V.N.Shlegel, F.Simkovic, V.Singh, C.Tomei, V.I.Tretyak, V.I.Umatov, L.Vagneron, M.Velazquez, B.Ware, B.Welliver, L.Winslow, M.Xue, E.Yakushev, M.Zarytskyy, A.S.Zolotarova (CUPID-Mo Collaboration). Measurement of the $2\nu\beta\beta$ decay rate and spectral shape of ^{100}Mo from the CUPID-Mo experiment. <i>Phys. Rev. Lett.</i> 131(2023)162501, 7 p.</p>			
<p>D.Basilico, G.Bellini, J.Benziger, R.Biondi, B.Caccianiga, F.Calaprice, A.Caminata, A.Chepurnov, D.D'Angelo, A.Derbin, A.Di Giacinto, V. Di Marcello, X.F.Ding, A. Di Ludovico, L. Di Noto, I.Drachnev, D.Franco, C.Galbiati, C.Ghiano, M.Giammarchi, A.Goretti, M.Gromov, D.Guffanti, Aldo Ianni, Andrea Ianni, A.Jany, V.Kobychev, G.Korga, S.Kumaran, M.Laubenstein, E.Litvinovich, P.Lombardi, I.Lomskaya, L.Ludhova, I.Machulin, J.Martyn, E.Meroni, L.Miramonti, M.Misiaszek, V.Muratova, R.Nugmanov, L.Oberauer, V.Orekhov, F.Ortica, M.Pallavicini, L.Pelicci, O.Penek, L.Pietrofaccina, N.Pilipenko, A.Pocar, G.Raikov, M.T.Ranalli, G.Ranucci, A.Re, N.Rossi, S.Schonert, D.Semenov, G.Settanta, M.Skorokhvatov, A.Singhal, O.Smironov, A.Sotnikov, R.Tartaglia, G.Testera, E.Unzhakov, A.Vishneva, R.B.Vogelaar, F. von Feilitzsch, M.Wojcik, M.Wurm, S.Zavatarelli, K.Zuber, G.Zuzel. Borexino's search for low-energy neutrinos associated with gravitational wave events from GWTC-3 database. <i>Eur. Phys. J. C</i> 83(2023)538, 12 p.</p>	WoS	Q1	https://doi.org/10.1140/ejpc/s10052-023-11688-4
<p>C.Augier, A.S.Barabash, F.Bellini, G.Benato, M.Beretta, L.Berge, J.Billard, Yu.A.Borovlev, L.Cardani, N.Casali, A.Cazes, E.Celi, M.Chapellier, D.Chiesa, I.Dafinei, F.A.Danevich, M. De Jesus, P. de Marcillac, T.Dixon, L.Dumoulin, K.Eitel, F.Ferri, B.K.Fujikawa, J.Gascon, L.Gironi, A.Giuliani, V.D.Grigorieva, M.Gros, D.L.Helis, H.Z.Huang, R.Huang, L.Imbert, J.Johnston, A.Juillard, H.Khalife, M.Kleifges, V.V.Kobychev, Yu.G.Kolomensky, S.I.Konovalov, J.Kotila, P.Loaiza, L.Ma, E.P.Makarov, R.Mariam, L.Marini, S.Marnieros, X.-F.Navick, C.Nones, E.B.Norman, E.Olivieri, J.L.Ouellet, L.Pagnanini, L.Pattavina, B.Paul, M.Pavan, H.Peng, G.Pessina, S.Pirro, D.V.Poda, O.G.Polischuk, S.Pozzi, E.Preitali, Th.Redon, A.Rojas, S.Rozov, V.Sanglard, J.A.Scarpaci, B.Schmidt, Y.Shen, V.N.Shlegel, V.Singh, C.Tomei, V.I.Tretyak, V.I.Umatov, L.Vagneron, M.Velazquez, B.Welliver, L.Winslow, M.Xue, E.Yakushev, M.Zarytskyy, A.S.Zolotarova. The background model of the CUPID-Mo $0\nu\beta\beta$ experiment. <i>Eur. Phys. J. C</i> 83(2023)675, 24 p.</p>	WoS	Q1	https://doi.org/10.1140/ejpc/s10052-023-11830-2
<p>I.C.Bandac, A.S.Barabash, L.Berge, Y.A.Borovlev, J.M.Calvo-Mozota, P.Carniti, M.Chapellier, I.Dafinei, F.A.Danevich, L.Dumoulin, F.Ferri, A.Giuliani, C.Gotti, P.Gras, V.D.Grigorieva, A.Ianni, H.Khalife, V.V.Kobychev, S.I.Konovalov, P.Loaiza, M.Madhukuttan, E.P.Makarov, P. de Marcillac, S.Marnieros, C.A.Marrache-Kikuchi, M.Martinez, C.Nones, E.Olivieri, A.Ortiz de Solorzano, G.Pessina, D.V.Poda, T.Redon, J.-A.Scarpaci, V.N.Shlegel, V.I.Tretyak, V.I.Umatov, M.M.Zarytskyy, A.Zolotarova. $\text{Li}_2^{100\text{depl}}\text{MoO}_4$ scintillating bolometers for rare-event search experiments. <i>Sensors</i> 23(2023)5465, 16 p.</p>	Scopus	Q1	https://doi.org/10.3390/s23125465
<p>C.Augier, A.S.Barabash, F.Bellini, G.Benato, M.Beretta, L.Berge, J.Billard, Yu.A.Borovlev, L.Cardani, N.Casali, A.Cazes, M.Chapellier, D.Chiesa, I.Dafinei, F.A.Danevich, M. De Jesus, T.Dixon, L.Dumoulin, K.Eitel, F.Ferri, B.K.Fujikawa, J.Gascon, L.Gironi, A.Giuliani, V.D.Grigorieva, M.Gros, D.L.Helis, H.Z.Huang, R.Huang, L.Imbert, J.Johnston, A.Juillard, H.Khalife, M.Kleifges, V.V.Kobychev, Yu.G.Kolomensky, S.I.Konovalov, J.Kotila, P.Loaiza, L.Ma, E.P.Makarov, P. de Marcillac, R.Mariam,</p>	Scopus	Q1	https://doi.org/10.1103/PhysRevC.107.025503

<p>L.Marini, S.Marnieros, X.-F.Navick, C.Nones, E.B.Norman, E.Olivieri, J.L.Ouellet, L.Pagnanini, L.Pattavina, B.Paul, M.Pavan, H.Peng, G.Pessina, S.Pirro, D.V.Poda, O.G.Polischuk, S.Pozzi, E.Previdali, Th.Redon, A.Rojas, S.Rozov, V.Sanglard, J.A.Scarpaci, B.Schmidt, Y.Shen, V.N.Shlegel, V.Singh, C.Tomei, V.I.Tretyak, V.I.Umatov, L.Vagneron, M.Velazquez, B.Welliver, L.Winslow, M.Xue, E.Yakushev, M.Zarytskyy, A.S.Zolotarova (CUPID-Mo collaboration). New measurement of double-β decays of ^{100}Mo to excited states of ^{100}Ru with the CUPID-Mo experiment. Phys. Rev. C 107(2023)025503, 20 p.</p>			
<p>S.Appel, Z.Bagdasarian, D.Basilico, G.Bellini, J.Benziger, R.Biondi, B.Caccianiga, F.Calaprice, A.Caminata, A.Chepurnov, D.D'Angelo, A.Derbin, A. Di Giacinto, V. Di Marcello, X.F.Ding, A. Di Ludovico, L. Di Noto, I.Drachnev, D.Franco, C.Galbiati, C.Ghiano, M.Giammarchi, A.Goretti, A.S.Guttel, M.Gromov, D.Guffanti, Aldo Ianni, Andrea Ianni, A.Jany, V.Kobychev, G.Korga, S.Kumaran, M.Laubenstein, E.Litvinovich, P.Lombardi, I.Lomskaya, L.Ludhova, G.Lukyanchenko, I.Machulin, J.Martyn, E.Meroni, L.Miramonti, M.Misiaszek, V.Muratova, R.Nugmanov, L.Oberauer, V.Orekhov, F.Ortica, M.Pallavicini, L.Pelicci, O.Penek, L.Pietrofaccia, N.Pilipenko, A.Pocar, G.Raikov, M.T.Ranalli, G.Ranucci, A.Razeto, A.Re, M.Redchuk, N.Rossi, S.Schunert, D.Semenov, G.Settanta, M.Skorokhvatov, A.Singhal, O.Smirnov, A.Sotnikov, R.Tartaglia, G.Testera, E.Unzhakov, A.Vishneva, R.B.Vogelaar, F. von Feilitzsch, M.Wojcik, M.Wurm, S.Zavatarelli, K.Zuber, G.Zuzel. Independent determination of the Earth's orbital parameters with solar neutrinos in Borexino. Astropart. Phys. 145(2023)102778, 9 p.</p>	Scopus	Q1	https://doi.org/10.1016/j.astropartphys.2022.102778
<p>K.Alfonso, A.Armato, C.Augier, F.T.Avignone III, O.Azzolini, M.Balata, I.C.Bandac, A.S.Barabash, G.Bari, A.Barresi, D.Baudin, F.Bellini, G.Benato, V.Berest, M.Beretta, M.Bettelli, M.Biassoni, J.Billard, V.Boldrini, A.Branca, C.Brofferio, C.Bucci, J.M.Calvo-Mozota, J.Camilleri, A.Campani, C.Capelli, S.Capelli, L.Cappelli, L.Cardani, P.Carniti, N.Casali, E.Celi, C.Chang, D.Chiesa, M.Clemenza, I.Colantoni, S.Copello, E.Craft, O.Cremonesi, R.J.Creswick, A.Cruciani, A.D'Addabbo, G.D'Imperio, S.Dabagov, I.Dafinei, F.A.Danevich, M. De Jesus, P. de Marcillac, S.Dell'Oro, S. Di Domizio, S. Di Lorenzo, T.Dixon, V.Dompe, A.Drobizhev, L.Dumoulin, G.Fantini, M.Faverzani, E.Ferri, F.Ferri, F.Ferroni, E.Figueroa-Feliciano, L.Foggetta, J.Formaggio, A.Franceschi, C.Fu, S.Fu, B.K.Fujikawa, A.Gallas, J.Gascon, S.Ghislandi, A.Giachero, A.Gianvecchio, M.Girola, L.Gironi, A.Giuliani, P.Gorla, C.Gotti, C.Grant, P.Gras, P.V.Guillaumon, T.D.Gutierrez, K.Han, E.V.Hansen, K.M.Heeger, D.L.Helis, H.Z.Huang, A.Ianni, L.Imbert, J.Johnston, A.Juillard, G.Karapetrov, G.Keppel, H.Khalife, V.V.Kobychev, Yu.G.Kolomensky, S.I.Konovalov, R.Kowalski, T.Langford, M.Lefevre, R.Liu, Y.Liu, P.Loaliza, L.Ma, M.Madhukuttan, F.Mancarella, C.A.Marrache-Kikuchi, L.Marini, S.Marnieros, M.Martinez, R.H.Maruyama, Ph.Mas, D.Mayer, G.Mazzitelli, Y.Mei, S.Milana, S.Morganti, T.Napolitano, M.Nastasi, J.Nikkel, S.Nisi, C.Nones, E.B.Norman, V.Novosad, I.Nutini, T.O'Donnell, E.Olivieri, M.Olmi, J.L.Ouellet, S.Pagan, C.Pagliarone, L.Pagnanini, L.Pattavina, M.Pavan, H.Peng, G.Pessina, V.Pettinacci, C.Pira, S.Pirro, D.V.Poda, O.G.Polischuk, I.Ponce, S.Pozzi, E.Previdali, A.Puiu, S.Quitadamo, A.Ressa, R.Rizzoli, C.Rosenfeld, P.Rosier, J.A.Scarpaci, B.Schmidt, V.Sharma, V.N.Shlegel, V.Singh, M.Sisti, P.Slocum, D.Speller, P.T.Surukuchi, L.Taffarello, C.Tomei, J.A.Torres, V.I.Tretyak, A.Tsymbaliuk, M.Velazquez, K.J.Vetter, S.L.Wagaarachchi, G.Wang, L.Wang, R.Wang, B.Welliver, J.Wilson, K.Wilson, L.A.Winslow, M.Xue, L.Yan, J.Yang, V.Yefremenko, V.I.Umatov, M.M.Zarytskyy, J.Zhang, A.Zolotarova, S.Zucchelli (CUPID and CROSS collaborations). Twelve-crystal prototype of Li_2MoO_4 scintillating bolometers for CUPID and CROSS experiments. JINST 18(2023)P06018, 26 p.</p>	Scopus	Q1	https://doi.org/10.1088/1748-0221/18/06/P06018

<p>K.Alfonso, A.Armatol, C.Augier, F.T.Avignone III, O.Azzolini, M.Balata, A.S.Barabash, G.Bari, A.Barresi, D.Baudin, F.Bellini, G.Benato, V.Berest, M.Beretta, M.Bettelli, M.Biassoni, J.Billard, V.Boldrini, A.Branca, C.Brofferio, C.Bucci, J.Camilleri, A.Campani, C.Capelli, S.Capelli, L.Cappelli, L.Cardani, P.Carniti, N.Casali, E.Celi, C.Chang, D.Chiesa, M.Clemenza, I.Colantoni, S.Copello, E.Craft, O.Cremonesi, R.J.Creswick, A.Cruciani, A.D'Addabbo, G.D'Imperio, S.Dabagov, I.Dafinei, F.A.Danevich, M. De Jesus, P. de Marcillac, S.Dell'Oro, S. Di Domizio, S. Di Lorenzo, T.Dixon, V.Dompe, A.Drobizhev, L.Dumoulin, G.Fantini, M.Faverzani, E.Ferri, F.Ferri, F.Ferroni, E.Figueroa-Feliciano, L.Foggetta, J.Formaggio, A.Franceschi, C.Fu, S.Fu, B.K.Fujikawa, A.Gallas, J.Gascon, S.Ghislandi, A.Giachero, A.Gianvecchio, M.Girola, L.Gironi, A.Giuliani, P.Gorla, C.Gotti, C.Grant, P.Gras, P.V.Guillaumon, T.D.Gutierrez, K.Han, E.V.Hansen, K.M.Heeger, D.L.Helis, H.Z.Huang, L.Imbert, J.Johnston, A.Juillard, G.Karapetrov, G.Keppel, H.Khalife, V.V.Kobychev, Yu.G.Kolomensky, S.I.Konovalov, R.Kowalski, T.Langford, M.Lefevre, R.Liu, Y.Liu, P.Loaiza, L.Ma, M.Madhukuttan, F.Mancarella, L.Marini, S.Marnieros, M.Martinez, R.H.Maruyama, Ph.Mas, D.Mayer, G.Mazzitelli, Y.Mei, S.Milana, S.Morganti, T.Napolitano, M.Nastasi, J.Nikkel, S.Nisi, C.Nones, E.B.Norman, V.Novosad, I.Nutini, T.O'Donnell, E.Olivieri, M.Olmi, J.L.Ouellet, S.Pagan, C.Pagliarone, L.Pagnanini, L.Pattavina, M.Pavan, H.Peng, G.Pessina, V.Pettinacci, C.Pira, S.Pirro, D.V.Poda, O.G.Polischuk, I.Ponce, S.Pozzi, E.Previdali, A.Puiu, S.Quitadamo, A.Ressa, R.Rizzoli, C.Rosenfeld, P.Rosier, J.A.Scarpaci, B.Schmidt, V.Sharma, V.N.Shlegel, V.Singh, M.Sisti, P.Slocum, D.Speller, P.T.Surukuchi, L.Taffarello, C.Tomei, J.A.Torres, V.I.Tretyak, A.Tsybaliuk, M.Velazquez, K.J.Vetter, S.L.Wagaarachchi, G.Wang, L.Wang, R.Wang, B.Welliver, J.Wilson, K.Wilson, L.A.Winslow, M.Xue, L.Yan, J.Yang, V.Yefremenko, V.I.Umatov, M.M.Zarytskyy, J.Zhang, A.Zolotarova, S.Zucchelli. A first test of CUPID prototypal light detectors with NTD-Ge sensors in a pulse-tube cryostat. JINST 18(2023)P06033, 20 p.</p>	Scopus	Q1	https://doi.org/10.1088/1748-0221/18/06/P060133
<p>J.W.Beeman, G.Benato, C.Bucci, L.Canonica, P.Carniti, E.Celi, M.Clemenza, A.D'Addabbo, F.A.Danevich, S. Di Domizio, S. Di Lorenzo, O.M.Dubovik, N.Ferreiro-Iachellini, F.Ferroni, E.Fiorini, S.Fu, A.Garai, S.Ghislandi, L.Gironi, P.Gorla, C.Gotti, P.V.Guillaumon, D.L.Helis, G.P.Kovtun, M.Mancuso, L.Marini, M.Olmi, L.Pagnanini, L.Pattavina, G.Pessina, F.Petricca, S.Pirro, S.Pozzi, A.Puiu, S.Quitadamo J.Rothe, A.P.Scherban, S.Schunert, D.A.Solopikhin, R.Strauss, E.Tarabini, V.I.Tretyak, I.A.Tupitsyna, V.Wagner. Characterization of a kg-scale archaeological lead-based PbWO₄ cryogenic detector for the RES-NOVA experiment. Appl. Rad. Isot. 194(2023)110704, 7 p.</p>	WoS	Q2	https://doi.org/10.1016/j.apradiso.2023.110704
<p>K.Alfonso, A.Armatol, C.Augier, F.T. Avignone III, O.Azzolini, M.Balata, A.S.Barabash, G.Bari, A.Barresi, D.Baudin, F.Bellini, G.Benato, M.Beretta, M.Bettelli, M.Biassoni, J.Billard, V.Boldrini, A.Branca, C.Brofferio, C.Bucci, J.Camilleri, A.Campani, C.Capelli, S.Capelli, L.Cappelli, L.Cardani, P.Carniti, N.Casali, E.Celi, C.Chang, D.Chiesa, M.Clemenza, I.Colantoni, S.Copello, E.Craft, O.Cremonesi, R.J.Creswick, A.Cruciani, A.D'Addabbo, G.D'Imperio, S.Dabagov, I.Dafinei, F.A.Danevich, M. De Jesus, P. De Marcillac, S.Dell'Oro, S. Di Domizio, S. Di Lorenzo, T.Dixon, V.Dompe, A.Drobizhev, L.Dumoulin, G.Fantini, M.Faverzani, E.Ferri, F.Ferri, F.Ferroni, E.Figueroa-Feliciano, L.Foggetta, J.Formaggio, A.Franceschi, C.Fu, S.Fu, B.K.Fujikawa, A.Gallas, J.Gascon, S.Ghislandi, A.Giachero, A.Gianvecchio, L.Gironi, A.Giuliani, P.Gorla, C.Gotti, C.Grant, P.Gras, P.V.Guillaumon, T.D.Gutierrez, K.Han, E.V.Hansen, K.M.Heeger, D.L.Helis, H.Z.Huang, L.Imbert, J.Johnston, A.Juillard, G.Karapetrov, G.Keppel, H.Khalife, V.V.Kobychev, Yu.G.Kolomensky,</p>	Scopus	Q2	https://doi.org/10.1007/s10909-022-02909-3

S.I.Kononov, R.Kowalski, T.Langford, M.Lefevre, R.Liu, Y.Liu, P.Loaiza, L.Ma, M.Madhukuttan, F.Mancarella, L.Marini, S.Marnieros, M.Martinez, R.H.Maruyama, Ph.Mas, B.Mauri, D.Mayer, G.Mazzitelli, Y.Mei, S.Milana, S.Morganti, T.Napolitano, M.Nastasi, J.Nikkel, S.Nisi, C.Nones, E.B.Norman, V.Novosad, I.Nutini, T.O'Donnell, E.Olivieri, M.Olmi, J.L.Ouellet, S.Pagan, C.Pagliarone, L.Pagnanini, L.Pattavina, M.Pavan, H.Peng, G.Pessina, V.Pettinacci, C.Pira, S.Pirro, D.V.Poda, O.G.Polischuk, I.Ponce, S.Pozzi, E.Previtali, A.Puiu, S.Quitadamo, A.Ressa, R.Rizzoli, C.Rosenfeld, P.Rosier, J.A.Scarpaci, B.Schmidt, V.Sharma, V.N.Shlegel, V.Singh, M.Sisti, P.Slocum, D.Speller, P.T.Surukuchi, L.Taffarello, C.Tomei, J.A.Torres, V.I.Tretyak, A.Tsymbaliuk, M.Velazquez, K.J.Vetter, S.L.Wagaarachchi, G.Wang, L.Wang, R.Wang, B.Welliver, J.Wilson, K.Wilson, L.A.Winslow, M.Xue, L.Yan, J.Yang, V.Yefremenko, V.I.Umatov, M.M.Zarytskyy, J.Zhang, A.Zolotarova, S.Zucchelli. CUPID: The next-generation neutrinoless double beta decay experiment. J. Low Temp. Phys. 211(2023)375-383.			
P. Belli, R. Bernabei, F. Cappella, V. Caracciolo, R. Cerulli, F. A. Danevich, A. Inchicchitti, D. V. Kasperovych, V. R. Klavdiienko, V. V. Kobychiev, A. Leoncini, V. Merlo, O. G. Polischuk, V. I. Tretyak. Low-background experiment to search for double beta decay of ^{106}Cd using $^{106}\text{CdWO}_4$ scintillator. Nucl. Phys. At. Energy 24 (2023) 193-208	Scopus	Q4	https://doi.org/10.15407/jnpae2023.03.193
V.Caracciolo, V.Y.Degoda, P.Belli, R.Bernabei, Y.A.Borovlev, F.Cappella, R.Cerulli, F.A.Danevich, A.AInicchitti, A.Leoncini, V.Merlo, N.Cherubini, D.V.Kasperovych, Y.P.Kogut, G.P.Podust, O.G.Polischuk, A.G.Postupaeva, V.N.Shlegel, V.I.Tretyak. Dark matter directionality approach using ZnWO_4 crystal scintillators. SciPost Phys. Proc. 12(2023)021, 8 p.	WoS	Q1	https://doi.org/10.21468/SciPostPhysProc.12.021
D. Basilico, G. Bellini, J. Benziger, R. Biondi, B. Caccianiga, F. Calaprice, A.Caminata, A. Chepurinov, D. D'Angelo, A. Derbin, A. Di Giacinto, V. Di Marcello, X. F. Ding, A. Di Ludovico, L. Di Noto, I. Drachnev, D. Franco, C. Galbiati, C.Ghiano, M. Giammarchi, A. Goretti, M. Gromov, D. Guffanti, Aldo Ianni, Andrea Ianni, A. Jany, V. Kobychiev, G. Korga, S. Kumaran, M. Laubenstein, E. Litvinovich, P. Lombardi, I. Lomsкая, L. Ludhova, I. Machulin, J. Martyn, E. Meroni, L.Miramonti, M. Misiaszek, V. Muratova, R. Nugmanov, L. Oberauer, V. Orekhov, F.Ortica, M. Pallavicini, L. Pelicci, Ö. Penek, L. Pietrofaccia, N. Pilipenko, A. Pocar, G. Raikov, M. T. Ranalli, G. Ranucci, A. Razeto, A. Re, N. Rossi, S. Schönert, D.Semenov, G. Settanta, M. Skorokhvatov, A. Singhal, O. Smirnov, A. Sotnikov, R.Tartaglia, G. Testera, E. Unzhakov, F. L. Villante, A. Vishneva, R. B. Vogelaar, F.von Feilitzsch, M. Wojcik, M. Wurm, S. Zavatarelli, K. Zuber, G. Zuzel (Borexino Collaboration) Final results of Borexino on CNO solar neutrinos Phys. Rev. D 108 (2023) 102005, 15 p.	WoS	Q1	https://doi.org/10.1103/PhysRevD.108.102005
Kolesnichenko, Y., Lutsenko, V., Tykhyy, A. On equations for ion cyclotron modes in 'warm' bounded plasmas. Journal of Plasma Physics 89(4) (2023) 905890401	Scopus	Q1	https://doi:10.1017/S0022377823000521
S.E. Sharapov, ..., V. Goloborodko et al. Experiments on excitation of Alfvén eigenmodes by alpha-particles with bump-on-tail distribution in JET DTE2 plasmas. Nucl. Fusion 63 (2023) 112007.	Scopus	Q1	https://doi.org/10.1088/1741-4326/acce10
V.G. Kiptily, ..., V. Goloborodko et al. Evidence of electron heating by alpha particles in JET deuterium-tritium plasmas. Phys. Rev. Lett., 131 (2023) 075101	Scopus	Q1	https://doi.org/10.1103/PhysRevLett.131.075101
Povoroznyk O. M. , Gorpinich O. K., Ponkratenko O.A. On the peculiarities of studying unbound excited states of ^4He nucleus by $\alpha + ^3\text{H}$ interaction Ukr. J. Phys. 2022. Vol. 67, No.11			https://doi.org/10.15407/ujpe67.11.782
Magner.A.G., Sanzhur A.I., Fedotkin S.N., Levon A.I., Grygoriev U.V., Shlomo S./ Nuclear level density in the statistical semiclassical			https://doi.org/10.15407/jnpae2023.03.175

micro-macroscopic approach// Nucl. Phys. and At. Energy 24, 175-192 (2023).			
Михайлов Л.В., Маковський М. В., Піскар'юв А.І., Шевель В.М., Фальченко Ю.В., Петрушинець Л.В., Федорчук В.Є. “Отримання ізотопу ^{22}Na , застосовуючи розроблений пристрій для опромінення мішені внутрішнім пучком протонів циклотрона У-240”. Ядерна Фізика та Енергетика / Nucl. Phys. At. energy 24 (2023)т.4 с. хх-хх.			
А.Т. Рудчик, А.А. Рудчик, В. В. Хейло, К. Русек, К. В. Кемпер, Е. П'ясецькі, А. Столяж, А. Тщінська, Вал. М. Пірнак, О. А. Понкратенко, Є. І. Коший, О.Е. Куцик, А. П. Ільїн, С. Ю. Межевич, Ю. М. Степаненко, В. В. Улещенко, Ю. О. Ширма. Реакція $^{10}\text{B}(^{15}\text{N}, ^{14}\text{C})^{11}\text{C}$ при енергії 81 МеВ, спектроскопічні фактори реакції та взаємодія ядер $^{14}\text{C} + ^{11}\text{C}$ // Ядерна фізика та енергетика. – 2023. – Т. 24(1). – С. 022-026.	Scopus	Q4	https://doi.org/10.15407/jnpae2023.01.022
S. Yu. Mezhevych, O.A. Ponkratenko, A.T. Rudchik, N. Keeley, K.W. Kemper, A.A. Rudchik, K. Rusek, V.V. Uleshchenko, Yu.M. Stepanenko, E.I. Koshchy, Yu.O. Shyrma. Test of a global optical model potential for $^{9,10,11,13,14}\text{C}$ with $^{11}\text{B} + ^{13,14}\text{C}$ elastic and inelastic scattering and $^{13}\text{C}(^{11}\text{B}, ^{10}\text{B})^{14}\text{C}$ reaction data at $E_{\text{lab}}(^{11}\text{B}) = 45$ MeV // submitted to Physics Letters B	Scopus	Q1	
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Observation and branching fraction measurement of the decay $\Xi^- \rightarrow \Lambda^0 \pi^-$	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.072002
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for CP violation in the phase space of $D^0 \rightarrow \pi^- \pi^+ \pi^0$ decays with the energy test	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP09(2023)129
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of CP asymmetries and branching fraction ratios of B^- decays to two charm mesons	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP09(2023)202
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Study of the Bose-Einstein correlations of identical pions in proton-lead collisions	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP09(2023)172
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Test of lepton flavour universality using $B^0 \rightarrow D^{*+} \tau^+ \nu_\tau$ decays with hadronic τ channels	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP08(2023)093
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for $D^{*}(2007)^0 \rightarrow \mu^+ \mu^-$ in $B^- \rightarrow \pi^- \mu^+ \mu^-$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.052008
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for CP violation in $D^+(s) \rightarrow K^- K^+ K^+$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012018
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Observation of the $B^0_s \rightarrow \gamma c 1(3872) \pi^+ \pi^-$ decay	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.032010
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Observation of new Ω_c states decaying to the $\Xi^+ c K^-$ final state	Scopus WoS	Q1/Q2	https://doi.org/10.1140/epjc/s10052-023-11759-6
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of the ratios of branching fractions $R(D^*)$ and $R(D^0)$	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)084

R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) A study of CP violation in the decays $B_{\pm} \rightarrow [K+K-\pi+\pi-]Dh_{\pm}$ ($h=K,\pi$) and $B_{\pm} \rightarrow [\pi+\pi-\pi+\pi-]Dh_{\pm}$	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.131902
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Λ^+c polarimetry using the dominant hadronic mode	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.111802
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Evidence of a $J/\psi K^0_S$ structure in $B^0 \rightarrow J/\psi \phi K^0_S$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1140/epjc/s10052-023-11560-5
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of Y production in pp collisions at $s\sqrt{=5}$ TeV	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)228
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) First observation and branching fraction measurement of the $\Lambda^0 b \rightarrow D^- s p$ decay	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.131901
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for rare decays of D^0 mesons into two muons	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)069
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of lepton universality parameters in $B^+ \rightarrow K^+ \ell^+ \ell^-$ and $B^0 \rightarrow K^*0 \ell^+ \ell^-$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)075
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Test of lepton universality in $b \rightarrow s \ell^+ \ell^-$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.041804
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for $K^0_S(L) \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ decays at LHCb	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.032002
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Amplitude analysis of $B^0 \rightarrow D^{\mp} 0 D^+ s \pi^-$ and $B^+ \rightarrow D^- D^+ s \pi^+$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.051803
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) First observation of a doubly charged tetraquark and its neutral partner	Scopus WoS	Q1/Q2	https://doi.org/10.1088/1674-1137/aceae9
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) J/ψ and D^0 production in $sNN \sqrt{=68.5}$ GeV PbNe collisions	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.L031102
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Charmonium production in pNe collisions at $sNN \sqrt{=68.5}$ GeV	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012017
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Open charm production and asymmetry in pNe collisions at $sNN \sqrt{=68.5}$ GeV	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.041902
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Open charm production and asymmetry in pNe collisions at $sNN \sqrt{=68.5}$ GeV	Scopus WoS	Q1/Q2	https://doi.org/10.1140/epjc/s10052-023-11674-w
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) First observation of the $B^+ \rightarrow D^+ s D^- s K^+$ decay	Scopus WoS	Q1/Q2	https://doi.org/10.1140/epjc/s10052-023-11608-6

R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Study of the $B^- \rightarrow \Lambda^+ c \Lambda^- c K^-$ decay	Scopus WoS	Q1/Q2	https://doi.org/10.1140/ejpc/s10052-023-11641-5
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Observation of a resonant structure near the $D^+ s D^- s$ threshold in the $B^+ \rightarrow D^+ s D^- s K^+$ decay	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.091901
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Observation of the $B_0^s \rightarrow D^* + D^{*-}$ decay	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.034012
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of the ratio of branching fractions $B(B^+ c \rightarrow B_0^s \pi^+) / B(B^+ c \rightarrow J/\psi \pi^+)$	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012020
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for the baryon- and lepton-number violating decays $B_0 \rightarrow p \mu^-$ and $B_0^s \rightarrow p \mu^-$	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.071901
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Observation of a $J/\psi \Lambda$ resonance consistent with a strange pentaquark candidate in $B^- \rightarrow J/\psi \Lambda p^-$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)119
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of the $\Lambda^+ c$ to D_0 production cross-section ratio in peripheral PbPb collisions	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)066
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for the lepton-flavour violating decays $B_0 \rightarrow K^* 0 \tau^\pm \mu^\mp$	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012021
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Amplitude analysis of the $D^+ s \rightarrow \pi^- \pi^+ \pi^+$ decay	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.031901
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of the CKM angle γ with $B^\pm \rightarrow D[K^\mp \pi^\pm \pi^\mp] h^\pm$ decays using a binned phase-space approach	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP06(2023)132
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of the time-integrated CP asymmetry in $D_0 \rightarrow K^- K^+$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP06(2023)143
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Multidifferential study of identified charged hadron distributions in Z-tagged jets in proton-proton collisions at $\sqrt{s}=13$ TeV	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)204
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Study of $B^+ c$ meson decays to charmonia plus multihadron final states	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)138
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Model-independent measurement of charm mixing parameters in $B^- \rightarrow D_0(\rightarrow K^0 S \pi^+ \pi^-) \mu^- \nu^- \mu^X$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.091802
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Amplitude analysis of the $D^+ \rightarrow \pi^- \pi^+ \pi^+$ decay and measurement of the $\pi^- \pi^+$ S-wave amplitude	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.L031103
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Amplitude analysis of the $\Lambda^+ c \rightarrow p K^- \pi^+$ decay and	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP07(2023)198

$\Lambda+c$ baryon polarization measurement in semileptonic beauty hadron decays			
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for the lepton-flavour violating decays $B^0 \rightarrow K^*0\mu^\pm e^\mp$ and $B^0_s \rightarrow \phi\mu^\pm e^\mp$	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.052005
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Study of coherent charmonium production in ultra-peripheral lead-lead collisions	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP06(2023)044
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Direct CP violation in charmless three-body decays of B^\pm mesons	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012023
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for the rare hadronic decay $B^0_s \rightarrow \rho\pi^-$	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP06(2023)073
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of τ_L using the $B^0_s \rightarrow J/\psi\eta$ decay mode	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP06(2023)146
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for direct CP violation in charged charmless $B \rightarrow PV$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012008
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of the Z boson production cross-section in proton-lead collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012007
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of antiproton production from antihyperon decays in pHe collisions at $\sqrt{s_{NN}} = 110$ GeV	Scopus WoS	Q1/Q2	https://doi.org/10.1140/epjc/s10052-023-11634-4
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Search for CP violation using T^{odd} correlations in $B^0 \rightarrow \rho\pi^+ \pi^-$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.012013
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of the prompt D^0 nuclear modification factor in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Scopus WoS	Q1/Q2	https://doi.org/10.1007/JHEP06(2023)022
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Evidence for modification of b quark hadronization in high-multiplicity pp collisions at $\sqrt{s} = 13$ TeV	Scopus WoS	Q1/Q2	https://doi.org/10.1140/epjc/s10052-023-11673-x
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Observation of sizeable ω contribution to $\chi_{c1}(3872) \rightarrow \pi^+ \pi^- J/\psi$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevD.108.032007
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Measurement of CP asymmetries in $D^+(s) \rightarrow \eta\pi^+$ and $D^+(s) \rightarrow \eta'\pi^+$ decays	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.102301
R. Aaij, ...V. Dobishuk. S. Chernyshenko, S. Koliev, ...,I. Kostiuk, ...O. Kot, ... V. Lukashenko, ...,V.Pugatch et al. (LHCb Collaboration) Nuclear modification factor of neutral pions in the forward and backward regions in pPb collisions	Scopus WoS	Q1/Q2	https://doi.org/10.1103/PhysRevLett.131.061901
T.V. Obikhod, I.A. Petrenko, Studying the resonance production cross-section of the heavy vectors within Heavy Vector Triplet model		Q3/Q4	https://doi.org/10.1103/PhysRevLett.131.042302
T.V. Obikhod, I.A. Petrenko, The role of topological invariants in the study of the early evolution of the Universe.	Scopus	Q1/Q2	https://doi.org/10.1088/1674-1137/ace9c8

T.V. Obikhod. Studying the behavior of the strong interaction constant at different energy scales		Q3/Q4	10.48550/arXiv.2304.14915
T.V. Obikhod, I.A. Petrenko, Searches for Heavy Higgs Bosons in the Framework of 2HDM Model	Scopus	Q3/Q4	10.1134/S1063779623030255
T.V. Obikhod, I.A. Petrenko, Studying the resonance production cross-section of the heavy vectors within Heavy Vector Triplet model.	Scopus	Q3/Q4	https://doi.org/10.46813/2023-145-003
H. Abramowicz, ...O. Borysov, M. Borysova, ... et al., Technical Design Report for the LUXE Experiment		Q3/Q4	10.48550/arXiv.2308.00515
C. Ahdida, ..., M. Borysova, S. Bressler, et al, Letter of Intent: the NA60+ experiment		Q3/Q4	https://doi.org/10.48550/arXiv.2212.14452
S. B. Chernyshenko, V. M. Dobishuk, O. Yu. Okhrimenko, F. Alessio, H. Schindler, V. O. Kyva, V. M. Pugatch, G. Corti. RMS-R3 – THE SYSTEM FOR MONITORING THE REGION OF LUMINOSITY AND BACKGROUND AT THE LHCb EXPERIMENT (CERN).	Scopus	Q3/Q4	10.15407/jnpae2023.02.0148
М.В. Пугач, В.М. Добішук, В.О. Кива, О.С Ковальчук, В.М. Пугач, С.Б. Чернишенко. “Система оцінки якості мікропиксельних монолітних детекторів”.	Scopus	Q3/Q4	http://jnpae.kinr.kiev.ua/24.2/Abstracts/jnpae-abstract-2023-24-0154-Pugach.pdf
M. Zarazovskii, V. Revka, and L. Chyrko Chemical Composition Effect on Radiation Embrittlement and Hardening of WWER-1000 RPV Steels,” in Radiation Embrittlement Trend Curves and Equations and Their Use for RPV Integrity Evaluations, ed. W. L. Server, M. Brumovsky, and M. Kirk (West Conshohocken, PA: ASTM International, 2023), 1–20. http://doi.org/10.1520/STP164720220079	Scopus	Q2	http://doi.org/10.1520/STP164720220079
Vasylykevych O.A., Slisenko V.I. Neutron studies of diffusion processes near a singular point in a dilute aqueous solution of ethanol.	Scopus	Q3/Q4	Ядерна фізика та енергетика.-2023.-24, №3.-С.283-287. DOI: https://doi.org/10.15407/jnpae2023.03.283
Мосюк Т. І., Вернидуб Р. М., Литовченко П. Г., Мирошніченко Ю. Б., Стратілат Д. П., Тартачник В. П., Шлапацька В. В. Вплив опромінення електронами з $E = 2$ МеВ на електрофізичні та оптичні характеристики зелених InGaN/GaN світло діодів.	Scopus	Q3/Q4	Ядерна фізика та енергетика.-2023.-24, №1.-С.27-33. DOI: https://doi.org/10.15407/jnpae2023.01.027
Lobach Yu.N., Shevel V.N. Radioactive gaseous-aerosol releases from the WWR-M research reactor..	Scopus	Q3/Q4	Ядерна фізика та енергетика.-2023.-№3.-С.247-255. DOI: https://doi.org/10.15407/jnpae2023.03.247
Vernydub R.M., Kyrylenko O.I., Konoreva O.V., Melnychenko O.V., Mosiuk1 T.I., Stratilat D.P. and Tartachnyk V.P. Features of the electrical and Optical Characteristics of the Original and irradiated by γ -quanta Co^{60} InGaN/GaN LEDs with quantum wells.	Scopus	Q3	Acta scientific applied physics.-2023.-3.
Sugakov V.I. Formation of phases with inverted spin orientation in magnetic crystals at rapid cooling // Physical Review B	Scopus, WoS	Q1	https://doi.org/10.1103/PhysRevB.108.064412
Quasi-classical theory of 229mTh excitation by laser pulses via electron bridges // Physical Review C	Scopus, WoS	Q1	https://doi.org/10.1103/PhysRevC.106.064608
Павлович В.М., Бабенко В.О. Чи можлива ланцюгова реакція поділу в об'єкті «Укриття» на теперішній час? // Ядерна фізика та енергетика.	Scopus, WoS	Q4	https://doi.org/10.15407/jnpae2023.03.239
4. Ryazanov V.V. Equation of state and particle size distribution in the Gibbs system // High Temperature	Scopus, WoS	Q3	https://doi.org/10.31857/S0040364423010076

A.G. Borisenko «Dynamics of the ion energy distribution and plasma parameters in flows of the non-self-sustained arc discharge in molybdenum vapors». ISSN 1562-6016. Problems of Atomic Science and Technology. 2023. №1(143). Series: Plasma Physics (29), p. 67-70.	Scopus	Q3	https://doi.org/10.46813/2023-143-067
V. M. Lashkin, N-soliton solutions of the Fokas-Lenells equation for the plasma ion-cyclotron waves: Inverse scattering transform approach // Communications in Nonlinear Science and Numerical Simulation, v.118 , 107006 (2023).	Scopus	Q3	https // Communications in Nonlinear Science and Numerical Simulation, v.118 , 107006 (2023)
V. M. Lashkin, O. K. Cheremnykh, Acoustic-gravity waves in quasi-isothermal atmospheres with a random vertical temperature profile // (2023).	Scopus	Q3	https Wave motion, https/119, 10340 (2023).
V. M. Lashkin, O. K. Cheremnykh, Z. Ehsan, N. Batool, Three-dimensional vortex dipole solitons in self-gravitating systems // Physical Review E, v. 107, 024201 (2023)	Scopus	Q3	Physical Review E, v. 107, 024201 (2023).
A.A.Goncharov, I.V.Litovko, A.V.Ryabtsev. Temperature dynamics of the microdroplet fraction of metal plasma in plasma-optical devices with fast electrons//Problems of Atomic Science and Technology. 2023, №4(146), pp 164-169.	Scopus	Q3	Problems of Atomic Science and Technology. 2023, №4(146), pp 164-169.
Scholier T., Lavrinienko A., Brila I., Tukalenko E., Hindström R., Vasylenko A., Cayol C., Ecke F., Singh N.J., Forsman J.T., Tolvanen A., Matala J., Huitu O., Kallio E.R., Koskela E., Mappes T & Watts PC. Urban forest soils harbour distinct and more diverse communities of bacteria and fungi compared to less disturbed forest soils. //Molecular Ecology, 32, 504-517	Scopus	Q1	https://doi.org/10.1111/mec.16754
Brila I, Lavrinienko A, Tukalenko E, Kallio ER, Mappes T, Watts PC. Idiosyncratic effects of coinfection on the association between systemic pathogens and the gut microbiota of a wild rodent, the bank vole (<i>Myodes glareolus</i>). //Journal of Animal Ecology 92(4), 826-837.	Scopus	Q1	https://doi: 10.1111/1365-2656.13869.
Гриневич Ю.П., Маковецька Л.І., Липська А.І., Бурдо О.О. Прооксидантно-антиоксидантні процеси в крові та печінці мишоподібних гризунів (<i>Myodes glareolus</i> та <i>Arodemus flavicollis</i>) за разового опромінення. //Ядерна фізика та енергетика. 2023. - Т. 24.- № 1.- С.60-66	Scopus	Q4	https://doi.org/10.15407/jnpae2023.01.060
Павловський В.В., Дрозд І.П. Наслідки іонізуючого опромінення та поточний стан проблеми радіаційного захисту дрібних ссавців і людини (огляд) //Проблеми радіаційної медицини та радіобіології. – Вип. 28. – 2023.	Scopus	Q4	
Курочкіна В.А. Радіоізотопи цезію і досвід цитогенетичної дозиметрії за аварійних ситуацій. //Ядерна фізика та енергетика (4)2023	Scopus	Q4	
Ганжа О.Б., Павловський В.В. Оцінка резервних можливостей організму мишоподібних гризунів після опромінення за гематологічними показниками // Ядерна фізика та енергетика. – Т. 24, № 4. – 2023.	Scopus		
Поморцева Н. А., Родіонова Н.К., Гудков Д.І., Каглян О.С. Кількісний та якісний склад периферичної крові риб у градієнті тривалого радіаційного опромінення. Гідробіол. Журнал. 2023. Т.59. №5. С.93- 111.	Scopus	Q4	