

№	Авторы организации	ВСЕ авторы	Название публикации	Название источника	Источник:	DOI (Digital Object Identifier):
1	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the $\text{SH} \rightarrow \gamma \gamma$ and $\text{SH} \rightarrow \text{ZZ}^* \rightarrow 4 \ell$ cross-sections in $\text{pp}$ collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 78	10.1140/epjc/s10052-023-12130-5
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for nonresonant pair production of Higgs bosons in the $\text{b}\bar{\text{b}}\gamma\gamma$ final state in $\text{pp}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 01 (2024) 066	10.1007/JHEP01(2024)066
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Observation of $\text{WZ}\gamma$ production in $\text{pp}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 021802	10.1103/PhysRevLett.132.021802
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Evidence for the Higgs boson decay to a $\text{Z}\gamma$ boson and a photon at the LHC	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 021803	10.1103/PhysRevLett.132.021803
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Differential cross-section measurements of the production of four charged leptons in association with two jets using the ATLAS detector	Journal of High Energy Physics	JHEP 01 (2024) 004	10.1007/JHEP01(2024)004
6	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for top-philic heavy resonances in $\text{pp}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 157	10.1140/epjc/s10052-023-12318-9
7	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for non-resonant Higgs boson pair production in the $\text{2b}+2\ell+E_{\text{T}}^{\text{miss}}$ final state in $\text{pp}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 02 (2024) 037	10.1007/JHEP02(2024)037
8	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Electron and photon energy calibration with the ATLAS detector using LHC Run 2 data	Journal of Instrumentation	JINST 19 (2024) P02009	10.1088/1748-0221/19/02/P02009

9	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Performance and calibration of quark/gluon-jet taggers using 140 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Chinese Physics C	Chinese Phys. C 48 (2024) 023001	10.1088/1674-1137/acf701
10	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Probing the CP nature of the top-Higgs Yukawa coupling in $\bar{H}H$ and $H$ events with $H \rightarrow b\bar{b}$ decays using the ATLAS detector at the LHC	Physics Letters B	Phys. Lett. B 849 (2024) 138469	10.1016/j.physletb.2024.138469
11	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the centrality dependence of the dijet yield in p+Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 102301	10.1103/PhysRevLett.132.102301
12	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Deep generative models for fast photon shower simulation in ATLAS	Computing and Software for Big Science	Comput Softw Big Sci 8, 7 (2024)	10.1007/s41781-023-00106-9
13	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for quantum black hole production in lepton+jet final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 109 (2024) 032010	10.1103/PhysRevD.109.032010
14	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Study of $Z \rightarrow \ell\ell\ell\ell$ $\gamma$ decays at $\sqrt{s} = 8$ TeV in the ATLAS experiment at the LHC	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 195	10.1140/epjc/s10052-024-12471-9
15	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for the decay of the Higgs boson to a Z boson and a light pseudoscalar particle decaying to two photons	Physics Letters B	Phys. Lett. B 848 (2024) 138536	10.1016/j.physletb.2024.138536
16	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new phenomena in two-body invariant mass distributions using unsupervised machine learning for anomaly detection at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 081801	10.1103/PhysRevLett.132.081801

17	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the production cross-section of $J/\psi$ and $\psi(2S)$ mesons in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 169	10.1140/epjc/s10052-024-12439-9
18	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for Resonant Production of Dark Quarks in the Di-jet Final State with the ATLAS Detector	Journal of High Energy Physics	JHEP 02 (2024) 128	10.1007/JHEP02(2024)128
19	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair production of squarks or gluinos decaying via sleptons or weak bosons in final states with two same-sign or three leptons with the ATLAS detector	Journal of High Energy Physics	JHEP 02 (2024) 107	10.1007/JHEP02(2024)107
20	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for top-philic heavy resonances in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 157	10.1140/epjc/s10052-023-12318-9
21	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement and interpretation of same-sign $W$ boson pair production in association with two jets in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 04 (2024) 026	10.1007/JHEP04(2024)026
22	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Software Performance of the ATLAS Track Reconstruction for LHC Run 3		Comput Softw Big Sci 8, 9 (2024)	10.1007/s41781-023-00111-y
23	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new phenomena with top-quark pairs and large missing transverse momentum using 140 $\text{fb}^{-1}$ of $pp$ collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 03 (2024) 139	10.1007/JHEP03(2024)139
24	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Study of high-momentum Higgs boson production in association with a vector boson in the $q\bar{q} b\bar{b}$ final state with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 131802	10.1103/PhysRevLett.132.131802

25	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the transverse momentum and rapidity distributions of the boson at 8 TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 315	10.1140/epjc/s10052-024-12438-w
26	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the total and differential cross-sections of $\bar{t}W$ production in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 131	10.1007/JHEP05(2024)131
27	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Improving topological cluster reconstruction using calorimeter cell timing in ATLAS	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 455	10.1140/epjc/s10052-024-12657-1
28	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A search for R-parity-violating supersymmetry in final states containing many jets in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 003	10.1007/JHEP05(2024)003
29	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for heavy spin-1 resonances using 139 $\text{fb}^{-1}$ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 04 (2024) 118	10.1007/JHEP04(2024)118
30	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for singly produced vector-like top partners in multilepton final states with 139 $\text{fb}^{-1}$ of $pp$ collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 109 (2024) 112012	10.1103/PhysRevD.109.112012
31	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum	Journal of Instrumentation	JINST 19 (2024) P06014	10.1088/1748-0221/19/06/P06014
32	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair production of higgsinos in events with two Higgs bosons and missing transverse momentum in $\sqrt{s}=13$ TeV $pp$ collisions at the ATLAS experiment	Physical Review D	Phys. Rev. D 109 (2024) 112011	10.1103/PhysRevD.109.112011

33	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Searches for exclusive Higgs boson decays into $D^* \gamma$ and $Z$ boson decays into $D^* \gamma$ and $K^0_s \gamma$ in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 855 (2024) 138762	10.1016/j.physletb.2024.138762
34	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for high-mass resonances in final states with a $\tau$ -lepton and missing transverse momentum with the ATLAS detector	Physical Review D	Phys. Rev. D 109 (2024) 112008	10.1103/PhysRevD.109.112008
35	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of Searches for Resonant Higgs Boson Pair Production Using $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 231801	10.1103/PhysRevLett.132.231801
36	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of $ZZ$ production cross-sections in the four-lepton final state in $pp$ collisions at $\sqrt{s} = 13.6$ TeV with the ATLAS experiment	Physics Letters B	Phys. Lett. B 855 (2024) 138764	10.1016/j.physletb.2024.138764
37	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of $t$ -channel production of single top quarks and antiquarks in $pp$ collisions at 13 TeV using the full ATLAS Run 2 data sample	Journal of High Energy Physics	JHEP 05 (2024) 305	10.1007/JHEP05(2024)305
38	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for nearly mass-degenerate higgsinos using low-momentum mildly-displaced tracks in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 221801	10.1103/PhysRevLett.132.221801
39	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for pair-produced leptoquarks at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138736	10.1016/j.physletb.2024.138736
40	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new particles in final states with a boosted top quark and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 263	10.1007/JHEP05(2024)263

41	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair-production of vector-like quarks in lepton+jets final states containing at least one b-tagged jet using the Run 2 data from the ATLAS experiment	Physics Letters B	Phys. Lett. B 854 (2024) 138743	10.1016/j.physletb.2024.138743
42	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of t-channel single-top-quark production in pp collisions at $\sqrt{s} =$ 5.02 TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138726	10.1016/j.physletb.2024.138726
43	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	The ATLAS Experiment at the CERN Large Hadron Collider: A Description of the Detector Configuration for Run 3	Journal of Instrumentation	JINST 19 (2024) P05063	10.1088/1748-0221/19/05/P05063
44	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Performance of the ATLAS forward proton Time-of-Flight detector in Run 2	Journal of Instrumentation	JINST 19 (2024) P05054	10.1088/1748-0221/19/05/P05054
45	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	ATLAS Run 2 searches for electroweak production of supersymmetric particles interpreted within the pMSSM	Journal of High Energy Physics	JHEP 05 (2024) 106	10.1007/JHEP05(2024)106
46	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the Z boson invisible width at $\sqrt{s}=13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138705	10.1016/j.physletb.2024.138705
47	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of vector boson production cross sections and their ratios using pp collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138725	10.1016/j.physletb.2024.138725
48	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Azimuthal angle correlations of muons produced via heavy-flavor decays in 5.02 TeV Pb+Pb and pp collisions with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 202301	10.1103/PhysRevLett.132.202301

49	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Electron and photon efficiencies in LHC Run 2 with the ATLAS experiment	Journal of High Energy Physics	JHEP 05 (2024) 162	10.1007/JHEP05(2024)162
50	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for electroweak production of supersymmetric particles in final states with two $\tau$ -leptons in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 150	10.1007/JHEP05(2024)150
51	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Evidence for the $VH, H$ $\rightarrow \tau\tau$ process with the ATLAS detector in Run 2	Physics Letters B	Phys. Lett. B 855 (2024) 138817	10.1016/j.physletb.2024.138817
52	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of electroweak $W^{\pm}Z$ boson pair production in association with two jets in $pp$ collisions at $\sqrt{s}$ $= 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 06 (2024) 192	10.1007/JHEP06(2024)192
53	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of measurements of the top quark mass from data collected by the ATLAS and CMS experiments at $\sqrt{s}=7$ and 8 TeV	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 261902	10.1103/PhysRevLett.132.261902
54	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	The ATLAS Trigger System for LHC Run 3 and Trigger performance in 2022	Journal of Instrumentation	JINST 19 (2024) P06029	10.1088/1748-0221/19/06/P06029
55	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of jet substructure in boosted $t$ events with the ATLAS detector using $140 \text{ fb}^{-1}$ of 13 TeV $pp$ collisions	Physical Review D	Phys. Rev. D 109 (2024) 112016	10.1103/PhysRevD.109.112016
56	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for Higgs boson decays into a photon and a massless dark photon using $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 08 (2024) 153	10.1007/JHEP08(2024)153

57	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Calibration of a soft secondary vertex tagger using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 032015	10.1103/PhysRevD.110.032015
58	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for leptoquark pair production decaying into $e^- \bar{\nu}_\mu$ or $\mu^- \bar{\nu}_e$ in multi-lepton final states in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 818	10.1140/epjc/s10052-024-12975-4
59	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for the non-resonant production of Higgs boson pairs via gluon fusion and vector-boson fusion in the $b\bar{b}\tau^+\tau^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 032012	10.1103/PhysRevD.110.032012
60	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair-produced higgsinos decaying via Higgs or $Z$ bosons to final states containing a pair of photons and a pair of $b$ -jets with the ATLAS detector	Physical Review Letters B	Phys. Lett. B 856 (2024) 138938	10.1016/j.physletb.2024.138938
61	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy neutral Higgs bosons decaying into a top quark pair in $140 \text{ fb}^{-1}$ of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 08 (2024) 013	10.1007/JHEP08(2024)013
62	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for low-mass resonances decaying into two jets and produced in association with a photon or a jet at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 032002	10.1103/PhysRevD.110.032002
63	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for flavour-changing neutral-current couplings between the top quark and the Higgs boson in multi-lepton final states in $13 \text{ TeV } pp$ collisions with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 757	10.1140/epjc/s10052-024-12994-1



64	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for short- and long-lived axion-like particles in $\text{SH} \rightarrow a \rightarrow 4\gamma$ decays with the ATLAS experiment at the LHC	European Physical Journal C	Eur. Phys. J. C 84 (2024) 742	10.1140/epjc/s10052-024-12979-0
65	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Observation of electroweak production of $W^+W^-$ in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector	Journal of High Energy Physics	JHEP 07 (2024) 254	10.1007/JHEP07(2024)254
66	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A search for top-squark pair production, in final states containing a top quark, a charm quark and missing transverse momentum, using the 139 fb <sup>-1</sup> of $\text{pp}$ collision data collected by the ATLAS detector	Journal of High Energy Physics	JHEP 07 (2024) 250	10.1007/JHEP07(2024)250
67	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for charged-lepton-flavour violating $\mu\tau$ interactions in top-quark production and decay in $\text{pp}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector at the LHC	Journal of High Energy Physics	Phys. Rev. D 110 (2024) 012014	10.1103/PhysRevD.110.012014
68	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy Majorana neutrinos in $e^+e^-$ and $e^+\mu^+$ final states via $WW$ scattering in $\text{pp}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review Letters B	Phys. Lett. B 856 (2024) 138865	10.1016/j.physletb.2024.138865
69	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Inclusive and differential cross-section measurements of $t\bar{t}Z$ production in $\text{pp}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector, including EFT and spin-correlation interpretations	Journal of High Energy Physics	JHEP 07 (2024) 163	10.1007/JHEP07(2024)163
70	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for light long-lived neutral particles from Higgs boson decays via vector-boson-fusion production from $\text{pp}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 719	10.1140/epjc/s10052-024-12902-7

71	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A statistical combination of ATLAS Run 2 searches for charginos and neutralinos at the LHC	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 031802	10.1103/PhysRevLett.133.031802
72	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair production of boosted Higgs bosons via vector-boson fusion in the $b\bar{b}b\bar{b}$ final state using $\text{pp}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Letters B	Phys. Lett. B 858 (2024) 139007	10.1016/j.physletb.2024.139007
73	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Observation of quantum entanglement in top-quark pairs using the ATLAS detector	Nature	Nature 633 (2024) 542	10.1038/s41586-024-07824-z
74	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Studies of the energy dependence of diboson polarization fractions and the Radiation Amplitude Zero effect in WZ production with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 101802	10.1103/PhysRevLett.133.101802
75	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for Higgs boson pair production in $\text{pp}$ collisions at $\sqrt{s}=13\sim\text{TeV}$ with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 101801	10.1103/PhysRevLett.133.101801
76	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Simultaneous energy and mass calibration of large-radius jets with the ATLAS detector using a deep neural network	Machine Learning: Science and Technology	Mach. Learn. Sci. Technol. 5 035051 (2024)	10.1088/2632-2153/ad611e
77	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for dark mesons decaying to top and bottom quarks in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 09 (2024) 005	10.1007/JHEP09(2024)005
78	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Differential cross-sections for events with missing transverse momentum and jets measured with the ATLAS detector in 13 TeV proton-proton collisions	Journal of High Energy Physics	JHEP 08 (2024) 223	10.1007/JHEP08(2024)223

79	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Accuracy versus precision in boosted top tagging with the ATLAS detector	Journal of Instrumentation	JINST 19 (2024) P08018	10.1088/1748-0221/19/08/P08018
80	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of differential cross-sections in $t\bar{t}$ and $t\bar{t} + \text{jets}$ production in the lepton+jets final state in $pp$ collisions at $\sqrt{s} = 13$ TeV using 140 fb <sup>-1</sup> of ATLAS data	Journal of High Energy Physics	JHEP 08 (2024) 182	10.1007/JHEP08(2024)182
81	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for non-resonant Higgs boson pair production in final states with leptons, taus, and photons in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 08 (2024) 164	10.1007/JHEP08(2024)164
82	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of single top-quark production in association with a $W$ boson in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 072010	10.1103/PhysRevD.110.072010
83	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for light long-lived particles in $pp$ collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 161803	10.1103/PhysRevLett.133.161803
84	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for the exclusive $W$ boson hadronic decays $W^{\pm} \rightarrow \pi^{\pm} \gamma$ , $W^{\pm} \rightarrow K^{\pm} \gamma$ and $W^{\pm} \rightarrow \rho^{\pm} \gamma$ with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 161804	10.1103/PhysRevLett.133.161804
85	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Fiducial and differential cross-section measurements of electroweak $W\gamma jj$ production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 1064	10.1140/epjc/s10052-024-13311-6

86	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for a new $Z'$ gauge boson via the $pp \rightarrow W^{\pm} \mu^{*} \rightarrow Z' \mu^{\pm} \mu^{\pm} \nu \rightarrow \mu^{\pm} \mu^{\pm} \nu$ process in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 072008	10.1103/PhysRevD.110.072008
87	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination and summary of ATLAS dark matter searches interpreted in a 2HDM with a pseudo-scalar mediator using 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV $pp$ collision data	Science Bulletin	Science Bulletin 69 (2024) 3005	10.1016/j.scib.2024.06.003
88	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for a resonance decaying into a scalar particle and a Higgs boson in final states with leptons and two photons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 10 (2024) 104	10.1007/JHEP10(2024)104
89	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Sensor response and radiation damage effects for 3D-pixels in the ATLAS IBL Detector	Journal of Instrumentation	JINST 19 (2024) P10008	10.1088/1748-0221/19/10/P10008
90	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Determination of the relative sign of the Higgs boson couplings to $W$ and $Z$ bosons using $WH$ production via vector-boson fusion with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 141801	10.1103/PhysRevLett.133.141801
91	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Precise test of lepton flavour universality in $W$ -boson decays into muons and electrons in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 993	10.1140/epjc/s10052-024-13070-4
92	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for decays of the Higgs boson into a pair of pseudoscalar particles decaying into $b\bar{b} \tau^+ \tau^-$ using $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 052013	10.1103/PhysRevD.110.052013

93	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of the production cross-section for a $Z$ boson in association with $b$ - or $c$ -jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 984	10.1140/epjc/s10052-024-13159-w
94	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair-produced vector-like quarks coupling to light quarks in the lepton plus jets final state using 13 TeV $pp$ collisions with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 052009	10.1103/PhysRevD.110.052009
95	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Characterising the Higgs boson with ATLAS data from Run 2 of the LHC	Physics Reports	Phys. Rep 11 (2024) 001	10.1016/j.physrep.2024.11.001
96	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Interpretations of the ATLAS measurements of Higgs boson production and decay rates and differential cross-sections in $pp$ collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	JHEP 11 (2024) 097	10.1007/JHEP11(2024)097
97	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for a resonance decaying into a scalar particle and a Higgs boson in the final state with two bottom quarks and two photons in proton-proton collisions at a center of mass energy of 13 TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 11 (2024) 047	10.1007/JHEP11(2024)047
98	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A search for $R$ -parity violating supersymmetric decays of the top squark to a $b$ -jet and a lepton in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 092004	10.1103/PhysRevD.110.092004
99	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for neutral long-lived particles that decay into displaced jets in the ATLAS calorimeter in association with leptons or jets using $pp$ collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	JHEP 11 (2024) 036	10.1007/JHEP11(2024)036

100	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Precise measurements of $W$ - and $Z$ -boson transverse momentum spectra with the ATLAS detector using $pp$ collisions at $\sqrt{s} = 5.02$ TeV and 13 TeV	European Physical Journal C	Eur. Phys. J. C 84 (2024) 1126	10.1140/epjc/s10052-024-13414-0
101	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of inclusive and differential cross-sections of $t\bar{t}\gamma$ production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 10 (2024) 191	10.1007/JHEP10(2024)191
102	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of Lund subjet multiplicities in 13 TeV proton- proton collisions with the ATLAS detector	Physics Letters B	Phys. Lett. B 859 (2024) 139090	10.1016/j.physletb.2024.139090
103	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of jet cross-section ratios in 13 TeV proton--proton collisions with ATLAS	Physical Review D	Phys. Rev. D 110, 072019 (2024)	10.1103/PhysRevD.110.072019
104	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Constraints on dark matter models involving an $ss$ -channel mediator with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13$ TeV	European Physical Journal C	Eur. Phys. J. C. 84 (2024) 1102	10.1140/epjc/s10052-024-13215-5
105	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy resonances in final states with four leptons and missing transverse momentum or jets in $pp$ collisions at $\sqrt{s}$ $= 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 10 (2024) 130	10.1007/JHEP10(2024)130
106	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy right-handed Majorana neutrinos in the decay of top quarks produced in proton- proton collisions at $\sqrt{s} =$ 13 TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 112004	10.1103/PhysRevD.110.112004
107	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for singly and doubly charged Higgs bosons produced via vector-boson fusion in proton--proton collisions at $\sqrt{s}$ $= 13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 860 (2024) 139137	10.1016/j.physletb.2024.139137

108	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new particles in events with a hadronically decaying W or Z boson and large missing transverse momentum at $\sqrt{s}$ $\sqrt{s} = 13$ TeV using the ATLAS detector	Journal of High Energy Physics	JHEP 11 (2024) 126	10.1007/JHEP11(2024)126
109	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Jet radius dependence of dijet momentum balance and suppression in Pb+Pb collisions at 5.02 TeV with the ATLAS detector	Physical Review C	Phys. Rev. C 110 (2024) 054912	10.1103/PhysRevC.110.054912
110	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Observation of $t\bar{t}$ production in the lepton+jets and dilepton channels in $p\bar{p}$ +Pb collisions at $\sqrt{s_{NN}}=8.16$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 11 (2024) 101	10.1007/JHEP11(2024)101
111	G. Gavrilov, V. Golovtcov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Luminosity determination using Z boson production at the CMS experiment	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 26	10.1140/epjc/s10052-023-12268-2
112	G. Gavrilov, V. Golovtcov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for inelastic dark matter in events with two displaced muons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 4, 041802	10.1103/PhysRevLett.132.041802
113	G. Gavrilov, V. Golovtcov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Measurement of the production cross section for a W boson in association with a charm quark in proton-proton collisions at $\sqrt{s}=13$ TeV	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 27	10.1140/epjc/s10052-023-12258-4
114	G. Gavrilov, V. Golovtcov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Evidence for the Higgs boson decay to a Z boson and a photon at the LHC	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 021803	10.1103/PhysRevLett.132.021803

115	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Measurement of the $\tau$ lepton polarization in Z boson decays in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	JHEP 01 (2024) 101	10.1007/JHEP01(2024)101
116	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Study of charm hadronization with prompt $\Lambda c^+$ baryons in proton-proton and lead-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV	Journal of High Energy Physics	JHEP 01 (2024) 128	10.1007/JHEP01(2024)128
117	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for scalar leptoquarks produced via $\tau$ -lepton-quark scattering in pp collisions at $\sqrt{s}=13$ TeV	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 061801	10.1103/PhysRevLett.132.061801
118	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for new Higgs bosons via same-sign top quark pair production in association with a jet in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	Phys. Lett. B 850 (2024) 138478	10.1016/j.physletb.2024.138478
119	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Higher-order moments of the elliptic flow distribution in PbPb collisions at $\sqrt{s} = 5.02$ TeV	JHEP	JHEP 02 (2024) 106	10.1007/JHEP02(2024)106
120	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for flavor changing neutral current interactions of the top quark in final states with a photon and additional jets in proton-proton collisions at $\sqrt{s}=13$ TeV	Physical Review D	Phys. Rev. D 109, 072004	10.1103/PhysRevD.109.072004
121	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for supersymmetry in final states with disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ TeV	Physical Review D	Phys. Rev. D 109, 072007	10.1103/PhysRevD.109.072007



122	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for long-lived heavy neutral leptons with lepton flavour conserving or violating decays to a jet and a charged lepton	Journal of High Energy Physics	JHEP03(2024)105	10.1007/JHEP03(2024)105
123	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for dark matter particles in $W+W-$ events with transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	JHEP03(2024)134	10.1007/JHEP03(2024)134
124	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Observation of $WW\gamma$ Production and Search for $H\gamma$ Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 121901	10.1103/PhysRevLett.132.121901
125	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Study of azimuthal anisotropy of $\Upsilon(1S)$ mesons in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV	Physics Letters B	Phys. Lett. B 850 (2024) 138518	10.1016/j.physletb.2024.138518
126	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Muon identification using multivariate techniques in the CMS experiment in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of Instrumentation	2024 JINST 19 P02031	10.1088/1748-0221/19/02/P02031
127	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Measurement of the Higgs boson production via vector boson fusion and its decay into bottom quarks in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	JHEP01(2024)173	10.1007/JHEP01(2024)173
128	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Two-particle Bose-Einstein correlations and their Lévy parameters in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Physical Review C	Phys. Rev. C 109, 024914	10.1103/PhysRevC.109.024914

129	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	New Structures in the $J/\psi/\psi'$ Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV	Physical Review Letters	Phys. Rev. Lett. 132, 111901	10.1103/PhysRevLett.132.111901
130	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Measurements of azimuthal anisotropy of nonprompt $D^0$ mesons in PbPb collisions at $\sqrt{s_{NN}} = 5.0$ TeV	Physics Letters B	Phys. Lett. B 850 (2024) 138389	10.1016/j.physletb.2023.138389
131	V. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for $W'$ bosons decaying to a top and a bottom quark in leptonic final states in proton-proton collisions at $\sqrt{s}= 13$ TeV	Journal of High Energy Physics	JHEP 05 (2024) 046	10.1007/JHEP05(2024)046
132	V. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for an exotic decay of the Higgs boson into a Z boson and a pseudoscalar particle in proton-proton collisions at $\sqrt{s}= 13$ TeV	Physics Letters B	Phys. Lett. B 852 (2024) 138582	10.1016/j.physletb.2024.138582
133	V. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for exotic decays of the Higgs boson to a pair of pseudoscalars in the $\square\square b\bar{b}$ and $\square\square b\bar{b}$ final states	European Physics Journal C	Eur. Phys. J. C 84 (2024) 493	10.1140/epjc/s10052-024-12727-4
134	V. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for long-lived particles decaying to final states with a pair of muons in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Journal of High Energy Physics	JHEP 05 (2024) 047	10.1007/JHEP05(2024)047
135	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Observation of the $J/\psi \rightarrow \square^+\square^-\square^+\square^-$ decay in proton-proton collisions at $\sqrt{s}= 13$ TeV	Physics Review D	Phys. Rev. D 109 (2024) L111101	10.1103/PhysRevD.109.L111101

136	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for long-lived particles using displaced vertices and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV	Physics Review D	Phys. Rev. D 109 (2024) 112005	10.1103/PhysRevD.109.112005
137	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for pair production of scalar and vector leptoquarks decaying to muons and bottom quarks in proton-proton collisions at $\sqrt{s}=13$ TeV	Physics Review D	Phys. Rev. D 109 (2024) 112003	10.1103/PhysRevD.109.112003
138	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Combined search for electroweak production of winos, binos, higgsinos, and sleptons in proton-proton collisions at $\sqrt{s}=13$ TeV	Physics Review D	Phys. Rev. D 109 (2024) 112001	10.1103/PhysRevD.109.112001
139	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for Baryon Number Violation in Top Quark Production and Decay Using Proton-Proton Collisions at $\sqrt{s}=13$ TeV	Physics Review Letters	Phys. Rev. Lett. 132, 241802	10.1103/PhysRevLett.132.241802
140	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Nonresonant central exclusive production of charged-hadron pairs in proton-proton collisions at $\sqrt{s}=13$ TeV	Physics Review D	Phys. Rev. D 109 (2024) 112013	10.1103/PhysRevD.109.112013
141	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for the lepton flavor violating $\tau \rightarrow 3\mu$ decay in proton-proton collisions at $\sqrt{s}=13$ TeV	Physics Letters B	Physics Letters B 853 (2024) 138633	10.1016/j.physletb.2024.138633
142	G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for stealth supersymmetry in final states with two photons, jets, and low missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV	Physics Review D	Phys. Rev. D 109 (2024) 112009	10.1103/PhysRevD.109.112009

143	G.Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Combination of measurements of the top quark mass from data collected by the ATLAS and CMS experiments at $\sqrt{s}=7$ and 8 TeV	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 261902	10.1103/PhysRevLett.132.261902
144	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for ZZ and ZH production in the $bb^+bb^-$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV	European Physical Journal C	Eur. Phys. J. C 84, 712 (2024)	10.1140/epjc/s10052-024-13021-z
145	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for the decay of the Higgs boson to a pair of light pseudoscalar bosons in the final state with four bottom quarks in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024, 97 (2024)	10.1007/JHEP06(2024)097
146	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for long-lived heavy neutrinos in the decays of B mesons produced in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024, 183 (2024)	10.1007/JHEP06(2024)183
147	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for heavy neutral leptons in final states with electrons, muons, and hadronically decaying tau leptons in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024, 123 (2024)	10.1007/JHEP06(2024)123
148	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for long-lived heavy neutral leptons decaying in the CMS muon detectors in proton-proton collisions at $\sqrt{s}=13$ TeV	Physical Review D	Phys. Rev. D 110, 012004	10.1103/PhysRevD.110.012004
149	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Observation of the $\Xi^- \rightarrow \Xi(2S)\Xi^-$ decay and studies of the $\Xi_b(5945)0$ baryon in proton-proton collisions at $\sqrt{s}=13$ TeV	Physical Review D	Phys. Rev. D 110, 012002	10.1103/PhysRevD.110.012002

150	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Test of lepton flavor universality in $B_{\pm} \rightarrow K_{\pm} \mu^+ \mu^-$ and $B_{\pm} \rightarrow K_{\pm} e^+ e^-$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV	Reports on Progress in Physics	Rep. Prog. Phys. 87 077802	10.1088/1361-6633/ad4e65
151	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Extracting the speed of sound in quark-gluon plasma with ultrarelativistic lead-lead collisions at the LHC	Reports on Progress in Physics	Rep. Prog. Phys. 87 077801	10.1088/1361-6633/ad4b9b
152	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the primary Lund jet plane density in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024, 116 (2024)	10.1007/JHEP05(2024)116
153	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of simplified template cross sections of the Higgs boson produced in association with W or Z bosons in the $H \rightarrow b\bar{b}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review D	Phys. Rev. D 109, 092011	10.1103/PhysRevD.109.092011
154	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for central exclusive production of top quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with tagged protons	Journal of High Energy Physics	J. High Energ. Phys. 2024, 187 (2024)	10.1007/JHEP06(2024)187
155	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for a new resonance decaying into two spin-0 bosons in a final state with two photons and two bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024, 316 (2024)	10.1007/JHEP05(2024)316
156	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Inclusive and differential cross section measurements of $t\bar{t}b\bar{b}$ production in the lepton+jets channel at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024, 42 (2024)	10.1007/JHEP05(2024)042

157	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Development of the CMS detector for the CERN LHC Run 3	Journal of Instrumentation	2024 JINST 19 P05064	10.1088/1748-0221/19/05/P05064
158	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for a third-generation leptoquark coupled to a $\tau$ lepton and a b quark through single, pair, and nonresonant production in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024, 311 (2024)	10.1007/JHEP05(2024)311
159	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Observation of the $Y(3S)$ meson and suppression of Y states in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Physical Review Letters	Phys. Rev. Lett. 133, 022302	10.1103/PhysRevLett.133.022302
160	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for long-lived particles decaying in the CMS muon detectors in proton-proton collisions at $\sqrt{s}=13$ TeV	Physical Review D	Phys. Rev. D 110, 032007	10.1103/PhysRevD.110.032007
161	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of multijet azimuthal correlations and determination of the strong coupling in proton-proton collisions at $\sqrt{s}=13$ TeV	European Physical Journal C	Eur. Phys. J. C 84 (2024) 842	10.1140/epjc/s10052-024-13116-7
162	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Constraints on anomalous Higgs boson couplings from its production and decay using the WW channel in proton-proton collisions at $\sqrt{s}=13$ TeV	European Physical Journal C	Eur. Phys. J. C 84 (2024) 779	10.1140/epjc/s10052-024-12925-0
163	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of energy correlators inside jets and determination of the strong coupling $\alpha_s(\mu_Z)$	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 071903	10.1103/PhysRevLett.133.071903
164	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Evidence for tWZ production in proton-proton collisions at $\sqrt{s}=13$ TeV in multilepton final states	Physics Letters B	Phys. Lett. B 855 (2024) 138815	10.1016/j.physletb.2024.138815

165	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Multiplicity and transverse momentum dependence of charge-balance functions in pPb and PbPb collisions at LHC energies	Journal of High Energy Physics	JHEP 08 (2024) 148	10.1007/JHEP08(2024)148
166	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the production cross section of a Higgs boson with large transverse momentum in its decays to a pair of $\tau$ leptons in proton-proton collisions at 13 TeV	Physics Letters B	Physics Letters B 857 (2024) 138964	10.1016/j.physletb.2024.138964
167	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Searches for violation of Lorentz invariance in $t\bar{t}$ production using dilepton events in proton-proton collisions at $\sqrt{s}=13$ TeV	Physics Letters B	Physics Letters B 857 (2024) 138979	10.1016/j.physletb.2024.138979
168	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	$K_{S}^0$ and $\Lambda(\Lambda^0)$ two-particle femtosopic correlations in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Physics Letters B	Physics Letters B 857 (2024) 138936	10.1016/j.physletb.2024.138936
169	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for a resonance decaying to a W boson and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV using leptonic W boson decays	Journal of High Energy Physics	JHEP 09 (2024) 186	10.1007/JHEP09(2024)186
170	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Portable Acceleration of CMS Computing Workflows with Coprocessors as a Service	Computing and Software for Big Science	Comput Softw Big Sci 8 (2024) 17	10.1007/s41781-024-00124-1
171	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Observation of $\gamma\gamma\rightarrow\tau\tau$ in proton-proton collisions and limits on the anomalous electromagnetic moments of the $\tau$ lepton	Reports on Progress in Physics	Rep. Prog. Phys. 87 (2024) 107801	10.1088/1361-6633/ad6fcb

172	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Performance of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 13$ TeV	Journal of Instrumentation	JINST 19 (2024) P09004	10.1088/1748-0221/19/09/P09004
173	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Performance of CMS muon reconstruction from proton-proton to heavy ion collisions	Journal of Instrumentation	JINST 19 (2024) P09012	10.1088/1748-0221/19/09/P09012
174	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	A search for bottom-type vector-like quark pair production in dileptonic and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review D	Phys. Rev. D 110 (2024) 052004	10.1103/PhysRevD.110.052004
175	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Observation of enhanced long-range elliptic anisotropies inside high-multiplicity jets in pp collisions at $\sqrt{s} = 13$ TeV	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 142301	10.1103/PhysRevLett.133.142301
176	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Measurement of the polarizations of prompt and non-prompt $J/\psi$ and $\psi(2S)$ mesons produced in pp collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	Physics Letters B 858 (2024) 139044	10.1016/j.physletb.2024.139044
177	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Observation of the $\Lambda^0_b \rightarrow J/\psi \Xi^- K^+$ decay	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 1062	10.1140/epjc/s10052-024-13114-9
178	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for Higgs boson pair production with one associated vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024 (2024) 61	10.1007/JHEP10(2024)061



179	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for the Z Boson Decay to $\square\square$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 161805	10.1103/PhysRevLett.133.161805
180	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for production of a single vectorlike quark decaying to $t\bar{H}$ or $tZ$ in the all-hadronic final state in $pp$ collisions at $\sqrt{s}=13$ TeV	Physical Review D	Phys. Rev. D 110 (2024) 072012	10.1103/PhysRevD.110.072012
181	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Observation of quantum entanglement in top quark pair production in proton-proton collisions at $\sqrt{s}=13$ TeV	Reports on Progress in Physics	Rep. Prog. Phys. 87 (2024) 117801	10.1088/1361-6633/ad7e4d
182	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Performance of the CMS high-level trigger during LHC Run 2	Journal of Instrumentation	JINST 19 (2024) P11021	10.1088/1748-0221/19/11/P11021
183	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Observation of double $J/\psi$ meson production in $pPb$ collisions at $\sqrt{s_{NN}}=8.16$ TeV	Physical Review D	Phys. Rev. D 110 (2024), 092002	10.1103/PhysRevD.110.092002
184	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for dark QCD with emerging jets in proton-proton collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024 (2024) 142	10.1007/JHEP07(2024)142
185	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	The CMS statistical analysis and combination tool: Combine	Computing and Software for Big Science	Comp. Softw. Big Sci. 8 (2024) 19	10.1007/s41781-024-00121-4

186	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Searches for Pair-Produced Multijet Resonances Using Data Scouting in Proton-Proton Collisions at $\sqrt{s}=13$ TeV	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 201803	10.1103/PhysRevLett.133.201803
187	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for soft unclustered energy patterns in proton-proton collisions at 13 TeV	Physical Review Letters	Phys. Rev. Lett. 133 (2024), 191902	10.1103/PhysRevLett.133.191902
188	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for Higgs boson pair production in the $B\bar{b} W^+ W^-$ decay mode in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024 (2024) 293	10.1007/JHEP07(2024)293
189	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for new physics in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024 (2024) 215	10.1007/JHEP08(2024)215
190	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Measurement of differential $ZZ+Z$ jets production cross sections in pp collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024 (2024) 209	10.1007/JHEP10(2024)209
191	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Measurement of the $B_{s1}^0$ to $J/\psi K_S^0$ effective lifetime from proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	J. High Energ. Phys. 2024 (2024) 247	10.1007/JHEP10(2024)247
192	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for high-mass exclusive diphoton production with tagged protons in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review D	Phys. Rev. D 110 (2024) 012010	10.1103/PhysRevD.110.012010

193	G. Gavrilov, V. Golovtsov, Y. Ivanov V. Kim, P. Levchenko, V. Murzin, V. Oreshkin, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev	CMS Collaboration	Search for a scalar or pseudoscalar dilepton resonance produced in association with a massive vector boson or top quark-antiquark pair in multilepton events at $\sqrt{s} = 13$ TeV	Physical Review D	Phys. Rev. D 110 (2024) 012013	10.1103/PhysRevD.110.012013
194	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Charged-particle production as a function of the relative transverse activity classifier in pp, p-Pb, and Pb-Pb collisions at the LHC	Journal of High Energy Physics	JHEP 01 (2024) 056	10.1007/JHEP01(2024)056
195	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurement of the low-energy antitriton inelastic cross section	Physics Letters B	Phys.Lett.B 848 (2024) 138337	10.1016/j.physletb.2023.138337
196	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurements of inclusive $J/\psi$ production at midrapidity and forward rapidity in Pb-Pb collisions at 5.02 TeV	Physics Letters B	Phys.Lett.B 849 (2024) 138451	10.1016/j.physletb.2024.138451
197	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	$\Psi(2s)$ Suppression in Pb-Pb Collisions at the LHC	Physical Review Letters	Phys.Rev.Lett. 132 (2024) 4, 042301	10.1103/PhysRevLett.132.042301
198	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Prompt and non-prompt $J/\psi$ production at midrapidity in Pb-Pb collisions at 5.02 TeV	Journal of High Energy Physics	JHEP 02 (2024) 066	10.1007/JHEP02(2024)066
199	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	System-size dependence of the hadronic rescattering effect at energies available at the CERN Large Hadron Collider	Physical Review C	PhysRevC109(2024)014911	10.1103/PhysRevC109(2024)014911

200	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзидеев	ALICE Collaboration	Multiplicity and event-scale dependent flow and jet fragmentation in pp collisions at $\sqrt{s} = 13$ TeV and in p-Pb collisions at $\sqrt{s} = 5.02$ TeV	Journal of High Energy Physics	JHEP 03 (2024) 092	10.1007/JHEP03(2024)092
201	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзидеев	ALICE Collaboration	ALICE luminosity determination for Pb-Pb collisions at $\sqrt{s} = 5.02$ TeV	Journal of Instrumentation	JINST 19 (2024) P02039	10.1088/1748-0221/19/02/P02039
202	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзидеев	ALICE Collaboration	Skewness and kurtosis of mean transverse momentum fluctuations at the LHC energies	Physics Letters B	Phys. Lett. B 850 (2024) 138541	10.1016/j.physletb.2024.138541
203	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзидеев	ALICE Collaboration	Measurements of long-range two-particle correlation over a wide pseudorapidity range in p-Pb collisions at $\sqrt{s} = 5.02$ TeV	Journal of High Energy Physics	JHEP 01 (2024) 199	10.1007/JHEP01(2024)199
204	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзидеев	ALICE Collaboration	System size dependence of the hadronic rescattering effect at energies available at the CERN Large Hadron Collider	Phys. Rev. C	Phys. Rev. C 109, 014911 (2024)	10.1103/PhysRevC.109.014911
205	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзидеев	ALICE Collaboration	Pseudorapidity dependence of anisotropic flow and its decorrelations using long range multiparticle correlations in Pb-Pb and Xe-Xe collisions	Physics Letters B	Phys. Lett. B 850 (2024) 138477	10.1016/j.physletb.2024.138477
206	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзидеев	ALICE Collaboration	Femtoscopic correlations of identical charged pions and kaons in pp collisions at $\sqrt{s} = 13$ TeV with event-shape selection	Phys. Rev. C	Phys. Rev. C 109, 024915	10.1103/PhysRevC.109.024915

207	Н.Бурмасов, М. Жалов, В. Иванов, Е. Кры шень, М. Малаев, В. Никулин , А. Рябов, В. Рябов, Ю. Рябо в, А. Ханзадеев	ALICE Collaboration	$K^*(892)^\pm$ resonance production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Physical Review C	Phys.Rev.C 109 (2024) 4, 044902	10.1103/PhysRevC.109.044902
208	Н.Бурмасов, М. Жалов, В. Иванов, Е. Кры шень, М. Малаев, В. Никулин , А. Рябов, В. Рябов, Ю. Рябо в, А. Ханзадеев	ALICE Collaboration	First measurement of the $ \eta $ - dependence of incoherent $J/\psi\psi$ photonuclear production	Physical Review Letters	Phys. Rev. Lett. 132, 162302 (2024)	10.1103/PhysRevLett.132.162302
209	Н.Бурмасов, М. Жалов, В. Иванов, Е. Кры шень, М. Малаев, В. Никулин , А. Рябов, В. Рябов, Ю. Рябо в, А. Ханзадеев	ALICE Collaboration	Measurement of the fraction of jet longitudinal momentum carried by $\Lambda c^+$ baryons in pp collisions	Physical Review D	Phys. Rev. D 109 (2024) 072	10.1103/PhysRevD.109.072005
210	Н.Бурмасов, М. Жалов, В. Иванов, Е. Кры шень, М. Малаев, В. Никулин , А. Рябов, В. Рябов, Ю. Рябо в, А. Ханзадеев	ALICE Collaboration	Light-flavor particle production in high-multiplicity pp collisions at $s\sqrt{=13}$ TeV as a function of transverse spherocit	Journal of High Energy Physics	JHEP 05 (2024) 184	10.1007/JHEP05(2024)184
211	Н.Бурмасов, М. Жалов, В. Иванов, Е. Кры шень, М. Малаев, В. Никулин , А. Рябов, В. Рябов, Ю. Рябо в, А. Ханзадеев	ALICE Collaboration	Measurement of inclusive charged-particle jet production in pp and p-Pb collisions at $s_{NN}\sqrt{=5.02}$ TeV	Journal of High Energy Physics	JHEP 05 (2024) 041	10.1007/JHEP05(2024)041
212	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Systematic study of flow vector decorrelation in $s_{NN}\sqrt{=5.02}$ TeV Pb-Pb collisions	Physical Review C	Phys. Rev. C 109 (2024) 065202	10.1103/PhysRevC.109.065202
213	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Photoproduction of $K^+K^-$ pairs in ultra-peripheral collisions	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 222303	10.1103/PhysRevLett.132.222303
214	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Multiplicity-dependent production of $\Sigma(1385)^\pm$ and $\Xi(1530)0$ in pp collisions at $s\sqrt{=13}$ TeV	Journal of High Energy Physics	JHEP 05 (2024) 317	10.1007/JHEP05(2024)317
215	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	ALICE upgrades during the LHC Long Shutdown 2	Journal of Instrumentation	JINST 19 (2024) P05062	10.1088/1748-0221/19/05/P05062

216	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Search for jet quenching effects in high-multiplicity pp collisions at $\sqrt{s}=13$ TeV via di-jet acoplanarity	Journal of High Energy Physics	JHEP 05 (2024) 229	10.1007/JHEP05(2024)229
217	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Search for the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV	Physics Letters B	Phys. Lett. B 856 (2024) 138862	10.1016/j.physletb.2024.138862
218	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Observation of medium-induced yield enhancement and acoplanarity broadening of low-pT jets from measurements in pp and central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 022301	10.1103/PhysRevLett.133.022301
219	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurements of jet quenching using semi-inclusive hadron+jet distributions in pp and central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Physical Review C	Physical Review C 110 (2024) 014906	10.1103/PhysRevC.110.014906
220	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	The ALICE experiment - A journey through QCD	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 813	10.1140/epjc/s10052-024-12935-y
221	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurement of $\Omega_c$ baryon production and branching-fraction ratio $BR(\Omega_c \rightarrow \Omega^- e^+ \bar{\nu}_e) / BR(\Omega_c \rightarrow \Omega^- \mu^+ \bar{\nu}_\mu)$ in pp collisions at $\sqrt{s}=13$ TeV	Physical Review D	Phys. Rev. D 110, 032014 (2024)	10.1103/PhysRevD.110.032014
222	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Studying the interaction between charm and light-flavor mesons	Physical Review D	Phys. Rev. D 110, 032004 (2024)	10.1103/PhysRevD.110.032004
223	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Investigating the nature of the $K^*(700)$ state with $\pi^\pm K^0_S$ correlations at the LHC	Physics Letters B	Phys. Lett. B 856 (2024) 138915	10.1016/j.physletb.2024.138915

224	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurements of Chemical Potentials in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV	Physical Review Letters	Phys. Rev. Lett. 133, 092301	10.1103/PhysRevLett.133.092301
225	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurement of beauty-quark production in pp collisions at $s\sqrt{=13}$ TeV via non-prompt D mesons	Journal of High Energy Physics	JHEP 10 (2024) 110	10.1007/JHEP10(2024)110
226	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Investigating strangeness enhancement with multiplicity in pp collisions using angular correlations	Journal of High Energy Physics	JHEP 09 (2024) 204	10.1007/JHEP09(2024)204
227	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Exploring the strong interaction of three-body systems at the LHC	Physical Review X	Phys. Rev. X 14, 031051 (2024)	10.1103/PhysRevX.14.031051
228	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Studying strangeness and baryon production mechanisms through angular correlations between charged $\Xi$ baryons and identified hadrons in pp collisions at $s\sqrt{=13}$ TeV	Journal of High Energy Physics	JHEP 09 (2024) 102	10.1007/JHEP09(2024)102
229	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurement of the impact-parameter dependent azimuthal anisotropy in coherent $\rho^0$ photoproduction in Pb-Pb collisions at $s_{NN}\sqrt{=5.02}$ TeV	Physics Letters B	Phys. Lett. B 858 (2024) 139017	10.1016/j.physletb.2024.139017
230	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Azimuthal anisotropy of jet particles in p-Pb and Pb-Pb collisions at $s_{NN}\sqrt{=5.02}$ TeV	Journal of High Energy Physics	JHEP 08 (2024) 234	10.1007/JHEP08(2024)234
231	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Multiplicity dependence of charged-particle intra-jet properties in pp collisions at $\sqrt{s}=13$ TeV	European Physical Journal C	Eur. Phys. J. C (2024) 84: 1079	10.1140/epjc/s10052-024-13228-0

232	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurement of beauty production via non-prompt charm hadrons in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Journal of High Energy Physics	JHEP 11 (2024) 148	10.1007/JHEP11(2024)148
233	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Measurement of the production and elliptic flow of (anti)nuclei in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV	Physical Review C	Phys. Rev. C 110 (2024) 064901	10.1103/PhysRevC.110.064901
234	Н.Бурмасов, М. Жалов, В. Иванов, Е. Крышень, М. Малаев, В. Никулин, А. Рябов, В. Рябов, Ю. Рябов, А. Ханзадеев	ALICE Collaboration	Charm fragmentation fractions and cc- cross section in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	European Physical Journal C	Eur. Phys. J. C (2024) 84:1286	10.1140/epjc/s10052-024-13394-1
235	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of prompt D+ and Ds+ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Journal of High Energy Physics	JHEP 01 (2024) 070	10.1007/JHEP01(2024)070
236	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of CP Violation in $B^0 \rightarrow \psi(\rightarrow \ell^+ \ell^-) K_S^0 (\rightarrow \pi^+ \pi^-)$ Decays	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 021801	10.1103/PhysRevLett.132.021801
237	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Observation of Cabibbo-Suppressed Two-Body Hadronic Decays and Precision Mass Measurement of the $\Omega_{cc}$ Baryon	Physical Review Letters	Phys.Rev.Lett. 132 (2024) 081802	10.1103/PhysRevLett.132.081802
238	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Enhanced Production of $\Lambda_b^0$ Baryons in High-Multiplicity pp Collisions at $\sqrt{s}=13$ TeV	Physical Review Letters	Phys.Rev.Lett. 132 (2024) 8, 081901	10.1103/PhysRevLett.132.081901
239	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Production of $\eta$ and $\eta'$ mesons in pp and pPb collisions	Physical Review C	Phys.Rev.C 109 (2024) 2, 024907	10.1103/PhysRevC.109.024907
240	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of the Z boson production cross-section in pp collisions at $\sqrt{s} = 5.02$ TeV	Journal of High Energy Physics	JHEP 02 (2024) 070	10.1007/JHEP02(2024)070



241	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	A search for rare $B \rightarrow D\mu^+\mu^-$ decays	Journal of High Energy Physics	JHEP 02 (2024) 032	10.1007/JHEP02(2024)032
242	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	A model-independent measurement of the CKM angle $\gamma$ in partially reconstructed $B_{\pm} \rightarrow D^*h_{\pm}$ decays with $D \rightarrow KS0h_{\pm}$ ( $h = \pi, K$ )	Journal of High Energy Physics	JHEP 02 (2024) 118	10.1007/JHEP02(2024)118
243	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Helium identification with LHCb	Journal of Instrumentation	JINST 19 (2024) P02010	10.1088/1748-0221/19/02/P02010
244	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Momentum scale calibration of the LHCb spectrometer	Journal of Instrumentation	JINST 19 (2024) P02008	10.1088/1748-0221/19/02/P02008
245	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Study of $Bc^+ \rightarrow \chi c \pi^+$ decays	Journal of High Energy Physics	JHEP 02 (2024) 173	10.1007/JHEP02(2024)173
246	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of $J/\psi$ -pair production in pp collisions at $\sqrt{s} = 13$ TeV and study of gluon transverse-momentum dependent PDFs	Journal of High Energy Physics	JHEP 03 (2024) 088	10.1007/JHEP03(2024)088
247	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Curvature-bias corrections using a pseudomass method, JINST 19 (2024) 03	Journal of Instrumentation	JINST 19 (2024) 03, P03010	10.1088/1748-0221/19/03/P03010
248	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Fraction of $\chi c$ Decays in Prompt $J/\psi$ Production Measured in pPb Collisions at $\sqrt{s_{NN}}=8.16$ TeV	Physics Review Letters	Phys.Rev.Lett. 132 (2024) 10, 102302	10.1103/PhysRevLett.132.102302
249	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Observation of $\Xi b^0 \rightarrow \Xi c^+ D_s^-$ and $\Xi b^- \rightarrow \Xi c^0 D_s^-$ decays	The European Physical Journal C	Eur.Phys.J.C 84 (2024) 3, 237	10.1140/epjc/s10052-024-12443-z

250	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of the CKM angle $\gamma$ in the $B^0 \rightarrow DK^*0$ channel using self-conjugate $D \rightarrow KS^0 h^+ h^-$ decays	The European Physical Journal C	Eur.Phys.J.C 84 (2024) 2, 206	10.1140/epjc/s10052-023-12376-z
251	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of $\Xi_{cc}^+$ production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV at LHCb,	Physical Review C	Phys. Rev. C 109 (2024) 044901	10.1103/PhysRevC.109.044901
252	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Search for CP violation in the phase space of $D^0 \rightarrow KS^0 K^{\pm} \pi^{\mp}$ decays with the energy test	Journal of High Energy Physics	JHEP 03 (2024) 107	10.1007/JHEP03(2024)107
253	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Amplitude Analysis of the $B^0 \rightarrow K^*0 \mu^+ \mu^-$ Decay	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 131801	10.1103/PhysRevLett.132.131801
254	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Determination of short- and long-distance contributions in $B^0 \rightarrow K^*0 \mu^+ \mu^-$ decays	Physical Review D	Phys. Rev. D 109 (2024) 052009	10.1103/PhysRevD.109.052009
255	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	The LHCb Upgrade I	Journal of Instrumentation	JINST 19 (2024) 05, P05065	10.1088/1748-0221/19/05/P05065
256	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of forward charged hadron flow harmonics in peripheral PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the LHCb detector	Physical Review C	Phys.Rev.C 109 (2024) 5, 054908	10.1103/PhysRevC.109.054908
257	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Search for $B_{c^+} \rightarrow \pi^+ \mu^+ \mu^-$ decays and measurement of the branching fraction ratio $B(B_{c^+} \rightarrow \psi(2S)\pi^+)/B(B_{c^+} \rightarrow J/\psi\pi^+)$	European Physics Journal C	Eur.Phys.J.C 84 (2024) 5, 46	10.1140/epjc/s10052-024-12669-x
258	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Prompt and nonprompt $\psi(2S)$ production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Journal of High Energy Physics	JHEP 04 (2024) 111	10.1007/JHEP04(2024)111

259	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Study of CP violation in $B^0 \rightarrow DK^*(892)0$ decays with $D \rightarrow K\pi(\pi\pi)$ , $\pi\pi(\pi\pi)$ , and $KK$ final states	Journal of High Energy Physics	JHEP 05 (2024) 025	10.1007/JHEP05(2024)025
260	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of the branching fraction of $B^0 \rightarrow J/\psi\pi^0$ decays	Journal of High Energy Physics	JHEP 05 (2024) 065	10.1007/JHEP05(2024)065
261	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Observation of the $B_c^+ \rightarrow J/\psi\pi^+\pi^0$ decay	Journal of High Energy Physics	JHEP 04 (2024) 151	10.1007/JHEP04(2024)151
262	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	A measurement of $\Delta\Gamma$ 's	Journal of High Energy Physics	JHEP 05 (2024) 253	10.1007/JHEP05(2024)253
263	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Improved Measurement of CP Violation Parameters in $B_s^0 \rightarrow J/\psi K^+K^-$ Decays in the Vicinity of the $\phi(1020)$ Resonance	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 051802	10.1103/PhysRevLett.132.051802
264	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Observation of $\Lambda_b^0 \rightarrow \Lambda_c^+ D^-(*) 0 K^-$ and $\Lambda_b^0 \rightarrow \Lambda_c^+ D_s^{*-} \Lambda$ decays	European Physics Journal C	Eur. Phys. J. C 84 (2024) 575	10.1140/epjc/s10052-024-12752-3
265	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of associated $J/\psi$ - $\psi(2S)$ production cross-section in $pp$ collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	JHEP 05 (2024) 259	10.1007/JHEP05(2024)259
266	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Multiplicity dependence of $\sigma_{\psi(2S)}/\sigma_{J/\psi}$ in $pp$ collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	JHEP 05 (2024) 243	10.1007/JHEP05(2024)243
267	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurements of the branching fraction ratio $B(\phi \rightarrow \mu^+\mu^-)/B(\phi \rightarrow e^+e^-)$ with charm meson decays	Journal of High Energy Physics	JHEP 05 (2024) 293	10.1007/JHEP05(2024)293

268	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Modification of $\chi c1(3872)$ and $\psi(2S)$ Production in pPb Collisions at $\sqrt{s_{NN}}=8.16$ TeV	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 242301	10.1103/PhysRevLett.132.242301
269	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Amplitude analysis of the $\Lambda b0 \rightarrow pK-\gamma$ decay	Journal of High Energy Physics	JHEP 06 (2024) 098	10.1007/JHEP06(2024)098
270	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	First observation of the $\Lambda b0 \rightarrow D+D-\Lambda$ decay	Journal of High Energy Physics	JHEP 07 (2024) 140	10.1007/JHEP07(2024)140
271	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Search for the $Bs0 \rightarrow \mu+\mu-\gamma$ decay	Journal of High Energy Physics	JHEP 07 (2024) 101	10.1007/JHEP07(2024)101
272	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Amplitude analysis of the radiative decay $Bs0 \rightarrow K+K-\gamma$	Journal of High Energy Physics	JHEP 08 (2024) 093	10.1007/JHEP08(2024)093
273	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Study of b-hadron decays to $\Lambda c+h-h'-$ final states	Journal of High Energy Physics	JHEP 08 (2024) 132	10.1007/JHEP08(2024)132
274	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	First observation of $\Lambda b0 \rightarrow \Sigma c(*)+D(*)-K-$ decays	Physical Review D	Phys.Rev.D 110 (2024) 3, L031104	10.1103/PhysRevD.110.L031104
275	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Search for prompt production of pentaquarks in charm hadron final states	Physical Review D	Phys.Rev.D 110 (2024) 3, 032001	10.1103/PhysRevD.110.032001
276	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Tracking of charged particles with nanosecond lifetimes at LHCb	European Physical Journal C	Eur.Phys.J.C 84 (2024) 7, 76	10.1140/epjc/s10052-024-12993-2

277	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Amplitude analysis and branching fraction measurement of $B^+ \rightarrow D^{*0} \pi^+$ decays	Journal of High Energy Physics	JHEP 08 (2024) 165	10.1007/JHEP08(2024)165
278	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Comprehensive analysis of local and nonlocal amplitudes in the $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decay	Journal of High Energy Physics	JHEP 09 (2024) 026	10.1007/JHEP09(2024)026
279	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Search for Time-Dependent CP Violation in $D^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays	Physical Review Letters	Phys.Rev.Lett. 133 (2024) 10, 101803	10.1103/PhysRevLett.133.101803
280	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Observation of New Charmonium or Charmoniumlike States in $B^+ \rightarrow D^{*0} \pi^+ K^+$ Decays	Physical Review Letters	Phys.Rev.Lett. 133 (2024) 131902	10.1103/PhysRevLett.133.131902
281	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Precision measurement of the $\Xi_b^-$ baryon lifetime	Physical Review D	Phys.Rev.D 110 (2024) 072002	10.1103/PhysRevD.110.072002
282	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Search for the lepton-flavor violating decay $B_s^0 \rightarrow \phi \mu^+ \tau^-$	Physical Review D	Phys.Rev.D 110 (2024) 072014	10.1103/PhysRevD.110.072014
283	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Search for the rare decay of charmed baryon $\Lambda_c^+$ into the $p \mu^+ \mu^-$ final state	Physical Review D	Phys.Rev.D 110 (2024) 052007	10.1103/PhysRevD.110.052007
284	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Transverse polarization measurement of $\Lambda$ hyperons in pNe collisions at $\sqrt{s_{NN}} = 68.4$ GeV with the LHCb detector	Journal of High Energy Physics	JHEP 09 (2024) 082	10.1007/JHEP09(2024)082
285	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Observation of muonic Dalitz decays of charm mesons and precise spectroscopy of hidden-beauty states	Journal of High Energy Physics	JHEP 10 (2024) 122	10.1007/JHEP10(2024)122

286	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Measurement of the effective leptonic weak mixing angle	Journal of High Energy Physics	JHEP 12 (2024) 026	10.1007/JHEP12(2024)026
287	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Study of charmonium production via the decay to $pp^-$ at $s=13$ TeV	Eur. Phys. J. C	Eur.Phys.J.C 84 (2024) 12, 1274	10.1140/epjc/s10052-024-13478-y
288	Bondar N., Chubykin A., Chulikov V., Dzyuba A., Ilin D., Kravchenko P., Neustroev P., Sagidova N., Spiridenkov E., Voropaev V.	LHCb Collaboration	Study of the rare decay $J/\psi \rightarrow \mu^+\mu^-\mu^+\mu^-$	Journal of High Energy Physics	JHEP 12 (2024) 062	10.1007/JHEP12(2024)062
289	Yu.A. Gavrikov, P.Yu. Ivanova, Yu.M. Ivanov	UA9 Collaboration	Multiple scattering of positively charged particles moving near the (111) plane in a silicon single crystal	Eur. Phys. J. Plus	Eur. Phys. J. Plus (2024) 139:1041	10.1140/epjp/s13360-024-05851-3
290	Barzakh A.E., Penyazkov G., Prosnyak S.D., Skripnikov L.V.	IDS Collaboration (ISOLDE)	Magnetic moments of thallium isotopes in the vicinity of magic $N = 126$	Physics Letters B	Phys. Lett. B 849 (2024) 138452	10.1016/j.physletb.2024.138452
291	Barzakh A., Fedorov D.V., Molkanov P.L., Seliverstov M.D.	IDS Collaboration	$\beta$ decay of the ground state and of a low-lying isomer in $^{216}\text{Bi}$	Physical Review C	Phys. Rev. C 109, 064321 (2024)	10.1103/PhysRevC.109.064321
292	Fedorov D.V., Seliverstov M.D.	ISOLDE Collaboration	Production study of Fr, Ra and Ac radioactive ion beams at ISOLDE, CERN	Scientific Reports	Scientific Reports (2024) 14:11033	10.1038/s41598-024-60331-z
293	Barzakh A., Fedorov D.	IDS and IGISOL Collaboration	Detailed structure of $^{131}\text{Sn}$ populated in the $\beta$ decay of isomerically purified $^{131}\text{In}$ states.	Physical Review	Phys. Rev. C 110, 014328 (2024)	10.1103/PhysRevC.110.014328
294	Barzakh A.	AGFA Collaboration	Spectroscopy of $^{187}\text{Tl}$ : shape coexistence	European Physical Journal A	Eur. Phys. J. A 60, 165 (2024)	10.1140/epja/s10050-024-01395-3
295	Barzakh A.	IDS collaboration	Charge radii of thallium isotopes near the $N = 126$ shell closure	Physical Review C	Phys. Rev. C 110, 034315 (2024)	10.1103/PhysRevC.110.034315
296	Yu.N. Novikov, Sergey Eliseev	PENTATRAP Collaboration	Penning-trap measurement of the $Q$ value of electron capture in $^{163}\text{Ho}$ for the determination of the electron neutrino mass	Nature Physics	Nature Physics   Volume 20   June 2024   921–927	10.1038/s41567-024-02461-9
297	Гриднев А.Б., Козленко Н.Г., Новинский Д.В.	Коллаборация СПАСЧАРМ	Наблюдение поляризации $\Lambda$ -гиперонов, образованных при взаимодействии $K^-$ -мезонов с ядрами	Письма в ЖЭТФ	Письма в ЖЭТФ, том 120, вып.6, с. 393-399	10.31857/S0370274X24090133

298	Alkhazov G.	D0 Collaboration	Up and Down Quark Structure of the Proton	Physical Review D	Phys. Rev. D 110 (2024) 9, L091101	10.1103/PhysRevD.110.L091101
299	Gavrilov G.E., Dzyuba A.A., Maev O.E., Suyasova M.V.	Gavrilov G.E., Buzoverya M.E., Arkhipov A.Yu., Dzyuba A.A., Karpov I.A., Maev O.E., Suyasova M.V.	Searching for Centers of Point Emissions on the Cathode of a Multiwire Proportional Chamber via Atomic Force Microscopy	Bulletin of the Russian Academy of Sciences: Physics	ISSN 1062-8738, Bulletin of the Russian Academy of Sciences: Physics, 2024 © Pleiades Publishing, Ltd., 2024.	10.1134/S1062873824707426
300	V.T. Kim	V.T. Kim	Higgs boson and naturalness domain in the standard model	AIP Conference Proceedings		10.1063/5.0192817
301	V.T. Kim	V.T. Kim	Higgs Boson and Naturalness Problem in the Standard Model	Physics of Particles and Nuclei		10.1134/S1063779624010088
302	S.I. Manaenkov	S.I. Manaenkov	Coherent electroproduction of vector mesons on spinless targets	Physics of Particles and Nuclei Letters		10.1134/S1547477124010096
303	S. I. Manaenkov	S. I. Manaenkov	Phenomenology of vector-meson electroproduction on spinless target	Physics of Atomic Nuclei		10.1134/S1063778824700315
304	Alexander T. D'yachenko	Alexander T. D'yachenko	Distribution of secondary particles in dependence on transverse momentum in high energy collisions of protons and nuclei in thermodynamic model	AIP Conference Proceedings	AIP Conf. Proc. 3020, 020003 (2024)	10.1063/5.0193618
305	A.T. Дьяченко	A.T. Дьяченко	Klein–Gordon Equations, Equations of Relativistic Quantum Hydrodynamics, and Quantum Shocks in Describing Collisions of Atomic Nuclei	Physics of Atomic Nuclei	Physics of Atomic Nuclei 87(5):646-658	10.1134/S106377882470056X
306	Yu. I. Gusev	I. S. Guseva and Yu. I. Gusev	Estimation of the Value and Sign of the ROT Effect for $^{239,241}\text{Pu}$ Isotopes During their Fission by Polarized Neutrons in the Resonant Energy Region	Physics of Atomic Nuclei	Physics of Atomic Nuclei, 2024, Vol. 87, No. 3, pp. 371–377.	10.1134/S1063778824700212
307	Гусев Ю. И.	Гусева И. С., Гусев Ю. И. ОНИ, ОФВЭ	Оценка величины и знака РОТ-эффекта для изотопов $^{239,241}\text{Pu}$ при их делении поляризованными нейтронами в резонансной энергетической области	Ядерная физика	EDN: IVJFSB	10.31857/S0044002724030208
308	Yu.N. Novikov	M.V. Smirnov, G. Yang, Yu.N. Novikov, J.D. Vergados, D. Bonatsos	Direct WIMP detection rates for transitions in isomeric nuclei	Nuclear Physics B	Nucl. Phys. B 1005 (2024) 116594	10.1016/j.nuclphysb.2024.116594
309	Yu.N. Novikov	M.V. Smirnov, G. Yang, Yu.N. Novikov, J.D. Vergados, D. Bonatsos	Direct WIMP detection rates for transitions in isomeric nuclei	Nuclear Physics B	Nucl. Phys. B 1005 (2024) 116594	10.1016/j.nuclphysb.2024.116594

310	L. V. Skripnikov, A. E. Barzakh	L. V. Skripnikov, A. E. Barzakh	Reexamination of nuclear magnetic dipole and electric quadrupole moments of polonium isotopes	Phys. Rev. C	Phys. Rev. C 109, 024315 (2024)	10.1103/PhysRevC.109.024315
311	Лукашевич В.В.	Лукашевич В.В.	Нарушение симметрии при рассеянии нейтронов	Журнал экспериментальной и теоретической физики	ЖЭТФ, 2024, том 165, вып. 2, стр. 207–213	10.31857/S0044451024020068
312	Воробьев С.И., Геталов А.Л., Комаров Е.Н., Котов С.А., Лобин В.С., Щербаков Г.В.	Воробьев С.И., Геталов А.Л., Комаров Е.Н., Котов С.А., Лобин В.С., Щербаков Г.В.	Влияние магнитных наночастиц на поведение поляризованных положительных мюонов в феррожидкости на основе Fe3O4 в среде D2O	Национальная ассоциация ученых		10.31618/nas.2413-5291.2024.1.101.899
313	A. Shevel	A. Shevel	Artificial Neural Networks in High Energy Physics Data Processing (Succinct Survey) and Probable Future Developments	Physics of Particles and Nuclei		10.1134/S1063779624030742
314	Bulanova S.A., Kuznetsova E.V., Maleev V.P., Sosnov D.E., Zelenov A.V.	Bautin V.V., Bulanova S.A., Chukanov A.V., Enik T.L., Kuznetsova E.V., Maleev V.P., Mukhamejanova A.T., Salamatina K.M., Sosnov D.E., Zelenov A.V.	TIGER ASIC as a Candidate Front End Electronics Solution for Future Straw Trackers	Phys. Part. Nucl. Lett.	Phys. Part. Nucl. Lett. 21, 731-734 (2024)	10.1134/S1547477124701206
315	S. Chenmarev	S. Chenmarev, K. Blaum, M. Block, R. B. Cakirli, Ch. E. Düllmann, M. J. Gutiérrez, Sz. Nagy and D. Renisch	Masses of transuranium nuclides measured with the PI-ICR technique at TRIGA-Trap	European Physical Journal A	Eur. Phys. J. A (2024) 60:204	10.1140/epja/s10050-024-01414-3
316	L.M. Kochenda, P.A. Kravtsov	T.I. Glushkova, L. M. Kochenda, P. A. Kravtsov, and A. A. Fetisov	Universal Gas Installation with the Function of Recovering and Cleaning Helium-3.	Instruments and Experimental Techniques	Instruments and Experimental Techniques 67.1 (2024): 157-162	10.1134/S0020441224700118
317	L.M. Kochenda, P.A. Kravtsov	STAR collaboration	Estimate of background baseline and upper limit on the chiral magnetic effect in isobar collisions at $s_{NN}=200$ GeV at the BNL Relativistic Heavy Ion Collider	Physical Review	Physical Review C 110, no. 1 (2024): 014905	10.1103/PhysRevC.110.014905
318	L.M. Kochenda, P.A. Kravtsov	STAR collaboration	Observation of the electromagnetic field effect via charge-dependent directed flow in heavy-ion collisions at the Relativistic Heavy Ion Collider	Physical Review	Physical Review X, 14(1), 011028	10.1103/PhysRevX.14.011028
319	L.M. Kochenda, P.A. Kravtsov	STAR collaboration	Measurement of flow coefficients in high-multiplicity p+ Au, d+ Au, and He 3+ Au collisions at $s_{NN}=200$ GeV	Physical Review	Physical Review C 110.6 (2024): 064902	10.1103/PhysRevC.110.064902



320	L.M. Kochenda, P.A. Kravtsov	STAR collaboration	Upper limit on the chiral magnetic effect in isobar collisions at the Relativistic Heavy-Ion Collider	Physical Review Research	Physical Review Research 6.3 (2024): L032005	10.1103/PhysRevResearch.6.L032005
321	Rozhdestvenskij A.Yu., Andreyanov A.V., Vasilyev A.A., Vznuzdaev M.E., Ivshin K.A., Kochenda L.M., Kravtsov P.A., Kravchenko P.V., Larionov V.E., Solovev A.N., Trofimov V.A., Fotyev V.D.	Rozhdestvenskij A.Yu., Andreyanov A.V., Vasilyev A.A., Vznuzdaev M.E., Ivshin K.A., Kochenda L.M., Kravtsov P.A., Kravchenko P.V., Larionov V.E., Solovev A.N., Trofimov V.A., Fotyev V.D., Fotev, V.A. Ganzha, K.A. Ivshin, P.V. Kravchenko, P.A. Kravtsov, E.M. Maev, A.V. Nadtochiy, A.N. Solovev, I.N. Solovyev, E.M. Spiridenkov, A.A. Vasilyev, A.A. Vorobyov, N.I. Voropaev, M.E. Vznuzdaev	PROJECT ON RESEARCH OF NUCLEAR DD SYNTHESIS WITH POLARIZATION OF INITIAL PARTICLES AT LOW ENERGIES (POLFUSION)	Physics of Atomic Nuclei	Physics of Atomic Nuclei. 2024. T. 87. No 3. C. 224-229	10.1134/S1063778823600689
322	V.D.Fotev, V.A.Ganzha, K.A.Ivshin, P.V.Kravchenko, P.A.Kravtsov, E.M.Maev, A.V.Nadtochiy, A.N.Solovev, I.N.Solovyev, E.M.Spiridenkov, A.A.Vasilyev, A.A.Vorobyov, N.I.Voropaev, M.E.Vznuzdaev	V.D.Fotev, V.A.Ganzha, K.A.Ivshin, P.V.Kravchenko, P.A.Kravtsov, E.M.Maev, A.V.Nadtochiy, A.N.Solovev, I.N.Solovyev, E.M.Spiridenkov, A.A.Vasilyev, A.A.Vorobyov, N.I.Voropaev, M.E.Vznuzdaev	SEARCH FOR MUON CATALYZED $3\text{Hed}$ FUSION	Physics of Particles and Nuclei	Physics of Particles and Nuclei, 2024, Vol. 55, No. 3, pp. 672–684	10.1134/S1063779624031012