

ПОКАЗАТЕЛИ ЭФФЕКТИВНОСТИ
1 квартал 2021 г.

№ П/П	Название публикации (статьи, монографии, пособия и т.д.)	Авторы	Где опубликовано (название журнала, сборника, издательства и т.д.)
<i>Публикации Web of Science</i>			
1.	Measurement of the jet mass in high transverse momentum $Z(\rightarrow bb^-)\gamma$ production at $\sqrt{s} = 13$ TeV using the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 812 (2021) 135991
2.	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2101 (2021) 033
3.	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 163
4.	Measurements of WH and ZH production in the $H\rightarrow bb^-$ decay channel in pp collisions at 13 TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 178
5.	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 812 (2021) 135980

6.	Measurement of hadronic event shapes in high- p_T multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2101 (2021) 188
7.	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 218
8.	Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb+Pb Collisions at 5.02 TeV with the ATLAS Detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 126 (2021) 072301
9.	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 11
10.	Observation of photon-induced W^+W^- production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 816 (2021) 136190
11.	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2102 (2021) 143

12.	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2102 (2021) 226
	Search for a new heavy Higgs bosons in ATLAS and CMS experiments	Yu. Naryshkin	JETP Letters 113, issue 4 (2021)

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<i>Публикации Web of Science</i>			
1.	Measurement of the CP-violating phase ϕ_s in $B_s^0 \rightarrow J/\psi\phi$ decays in ATLAS at 13 TeV	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 342
2.	Longitudinal flow decorrelations in Xe+Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 126 (2021) 122301
3.	Measurement of the associated production of a Higgs boson decaying into b-quarks with a vector boson at high transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 816 (2021) 136204
4.	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb^{-1} of Pb+Pb data with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	HEP 2103 (2021) 243
5.	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton–proton collisions	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 334

6.	Search for heavy resonances decaying into a pair of Z bosons in the $\ell^+\ell^-\ell^+\ell^-$ and $\ell^+\ell^-v\bar{v}$ final states using 139 fb^{-1} of proton–proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 332
7.	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton–proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 313
8.	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2103 (2021) 268
9.	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell b\bar{b}$ and $\ell\ell WW$ final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 396
10.	Search for trilepton resonances from chargino and neutralino pair production in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 103 (2021) 112003
11.	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2104 (2021) 174
12.	Search for new phenomena in final states with b-jets and missing transverse momentum	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev,	JHEP 2105 (2021) 093

	in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
13.	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2104 (2021) 165
14.	Search for new phenomena in events with an energetic jet and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 103 (2021) 112006
15.	Measurements of $W^+W^- + \geq 1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2106 (2021) 003

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№ п/п	Название публикации (статьи, монографии, пособия и т.д.)	Авторы	Где опубликовано (название журнала, сборника, издательства и т.д.)
<i>Публикации Web of Science</i>			
1.	Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 819 (2021) 136412
2.	Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 103 (2021) 112003
3.	Search for bottom-squark pair production in pp collision events at $\sqrt{s} = 13$ TeV with hadronically decaying τ -leptons, b-jets, and missing transverse momentum using the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 104 (2021) 03201
4.	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JINST 16 (2021) P08025
5.	Measurements of the inclusive and differential production cross sections of a top-quark–antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 737

6.	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 720
7.	Jet energy scale and resolution measured in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 689
8.	The ATLAS Fast Tracker system	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JINST 16 (2021) P07006
9.	Search for displaced leptons in $s\sqrt{s}=13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 127 (2021) 051802
10.	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 163
11.	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 537
12.	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev,	Eur. Phys. J. C 81 (2021) 600

	transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector	V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
13.	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W^\pm and Z boson production in association with jets	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2107 (2021) 223
14.	Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. C 104 (2021) 014903
15.	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2106 (2021) 179
16.	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2106 (2021) 146
17.	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2106 (2021) 145
18.	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev,	JINST 16 (2021) P07029

		A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
19.	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2107 (2021) 005
20.	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2107 (2021) 173
21.	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Nature Phys. 17 (2021) 819-825
22.	Test of the universality of τ and μ lepton couplings in W-boson decays with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Nature Phys. 17 (2021) 813-818

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<i>Публикации Web of Science</i>			
1.	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 860
2.	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2110 (2021) 013
3.	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s} = 13$ TeV Using the ATLAS Detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 127 (2021) 141801
<i>Иные публикации</i>			
1.	Search for resonances decaying into photon pairs in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 822 (2021) 136651
2.	Search for time-dependent CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 104 (2021) 072010

3.	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton–proton collision data	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 1023
4.	Measurement of the $t\bar{t}t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 11 (2021) 118