

Федин О.Л. - Лаборатория адронной физики - 2 квартал 2022

№ 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.	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates 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 829 (2022) 137066
2.	Measurement of the nuclear modification factor for muons from charm and bottom hadrons 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. Lett. B 829 (2022) 137077
<i>Иные публикации</i>			
1.	Search for resonant pair production of Higgs bosons in the bb^-bb^- final state using 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 105 (2022) 092002
2.	Measurement of the energy asymmetry in tt^-j production at 13 TeV with the ATLAS experiment and interpretation in the SMEFT framework	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 82 (2022) 374

3.	Measurements of azimuthal anisotropies of jet production in Pb+ Pb collisions at $\sqrt{s_{NN}} = 5.02$ 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. C 105 (2022) 064903
4.	Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}$ decays in 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 105 (2022) 092003
5.	Search for flavour-changing neutral-current interactions of a top quark and a gluon 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 82 (2022) 334
6.	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 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 82 (2022) 438
7.	Search for single production of a vectorlike T quark decaying into a Higgs boson and top quark with fully hadronic final states 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 105 (2022) 092012
8.	Measurements of differential cross-sections in top-quark pair events with a high transverse momentum top quark and limits on	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev,	JHEP 2206 (2022) 063

	beyond the Standard Model contributions to top-quark pair production with the ATLAS detector at $\sqrt{s} = 13$ TeV	A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
9.	Search for neutral long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyeu, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	

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Публикации Web of Science			
1.	Modelling and computational improvements to the simulation of single vector-boson plus jet processes for the ATLAS experiment	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2208 (2022) 089
2.	Study of $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays 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 2208 (2022) 087
3.	Measurements of the Higgs boson inclusive and differential fiducial cross-sections in the diphoton decay channel with 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 2208 (2022) 027
4.	Direct constraint on the Higgs–charm coupling from a search for Higgs boson decays into charm quarks 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 82 (2022) 717
5.	Search for invisible Higgs-boson decays in events with vector-boson fusion signatures	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev,	JHEP 2208 (2022) 104

	using 139 fb^{-1} of proton-proton data recorded by the ATLAS experiment	V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
6.	Search for events with a pair of displaced vertices from long-lived neutral particles decaying into hadronic jets in the ATLAS muon spectrometer in pp collisions at $\sqrt{s} = 13 \text{ TeV}$	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 106 (2022) 032005
7.	Measurements of jet observables sensitive to b-quark fragmentation in $t\bar{t}$ events at the LHC 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 106 (2022) 032008
7.	Observation of WW production 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	Phys. Rev. Lett. 129 (2022) 061803
<i>Иные публикации</i>			
1.	Measurement of Higgs boson decay into b -quarks in associated production with a top-quark pair 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 2206 (2022) 097
2.	A search for an unexpected asymmetry in the production of $e^+\mu^-$ and $e^-\mu^+$ pairs in proton-proton collisions recorded by the ATLAS detector at $\sqrt{s} = 13 \text{ TeV}$	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev,	Phys. Lett. B 830 (2022) 137106

		A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
3.	Search for long-lived charginos based on a disappearing-track signature using 136 fb^{-1} of 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 82 (2022) 606
4.	Measurements of Higgs boson production cross-sections in the $H \rightarrow \tau^+\tau^-$ decay channel 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 2208 (2022) 175
5.	Constraints on Higgs boson properties using $WW^*(\rightarrow e\nu\mu\nu)jj$ production in 36.1 fb^{-1} of $\sqrt{s} = 13 \text{ TeV}$ 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	Eur. Phys. J. C 82 (2022) 622
6.	Two-particle Bose–Einstein correlations in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ measured with 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 82 (2022) 608

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<i>Публикации Web of Science</i>			
1			
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<i>Иные публикации</i>			
1	Search for pair-produced scalar and vector leptoquarks decaying into third-generation quarks and first- or second-generation leptons in 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	https://arxiv.org/abs/2210.04517
2	Search for Higgs boson pair production in association with a vector boson 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	https://arxiv.org/abs/2210.05415
3	Deep generative models for fast photon shower simulation in ATLAS	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	https://arxiv.org/abs/2210.06204
4	Search for pair-production of vector-like quarks in pp collision events at $\sqrt{s} = 13$ TeV with at least one leptonically decaying Z	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev,	https://arxiv.org/abs/2210.15413

	boson and a third-generation quark with the ATLAS detector	A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
5	Search for $tt\bar{H}/A\rightarrow tt\bar{t}t\bar{t}$ production in the multilepton final state 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	https://arxiv.org/abs/2211.01136
6	Constraining the Higgs boson self-coupling from single- and double-Higgs production with the ATLAS detector using pp 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	https://arxiv.org/abs/2211.01216
7	A search for heavy Higgs bosons decaying into vector bosons in same-sign two-lepton 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	https://arxiv.org/abs/2211.02617
8	Search for boosted diphoton resonances in the 10 to 70 GeV mass range using 138 fb^{-1} of 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	https://arxiv.org/abs/2211.04172
9	Constraints on spin-0 dark matter mediators and invisible Higgs decays using ATLAS 13 TeV pp collision data with two top quarks and missing transverse momentum in the final state	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	https://arxiv.org/abs/2211.05426

10	Search for dark matter produced in association with a dark Higgs boson decaying into W^+W^- in the one-lepton final state at $\sqrt{s} = 13$ TeV using 139 fb^{-1} of pp collisions recorded 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	https://arxiv.org/abs/2211.07175
11	Search for doubly charged Higgs boson production in multi-lepton final states using 139 fb^{-1} of 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	https://arxiv.org/abs/2211.07505
12	Search for supersymmetry in final states with missing transverse momentum and three or more b -jets in 139 fb^{-1} of 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	https://arxiv.org/abs/2211.08028
13	Search for new phenomena in multi-body invariant masses in events with at least one isolated lepton and two jets using $\sqrt{s} = 13$ TeV proton-proton collision data collected by 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	https://arxiv.org/abs/2211.08945
14	Observation of gauge boson joint-polarisation states in $W^\pm Z$ production from 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	https://arxiv.org/abs/2211.09435
15	Measurement of substructure-dependent jet suppression in $Pb+Pb$ collisions at 5.02 TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev,	https://arxiv.org/abs/2211.11470

		A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
16	Search for dark matter produced in association with a single top quark and an energetic W boson 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	https://arxiv.org/abs/2211.13138
17	ATLAS flavour-tagging algorithms for the LHC Run 2 pp collision dataset	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	https://arxiv.org/abs/2211.16345
18	Measurement of $Z\gamma\gamma$ production 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	https://arxiv.org/abs/2211.14171
19	Tools for estimating fake/non-prompt lepton backgrounds with 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	https://arxiv.org/abs/2211.16178
20	Charged-hadron production in pp , $p+Pb$, $Pb+Pb$, and $Xe+Xe$ collisions at $\sqrt{s_{NN}} = 5$ TeV with 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	https://arxiv.org/abs/2211.15257