

**ПУБЛИКАЦИИ**  
за 2019 год **Лаборатория адронной физики (Федин)**

<b>№ п/п</b>	<b>Название публикации</b> (статьи, монографии, пособия и т.д.)	<b>Авторы</b>	<b>Где опубликовано</b> (название журнала, сборника, издательства и т.д.)
1.	Search for pair production of Higgs bosons in the $bb^{-}bb^{-}$ final state using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1901 (2019) 030
2.	Search for long-lived particles in final states with displaced dimuon vertices in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.1, 012001
3.	Search for heavy Majorana or Dirac neutrinos and right-handed $W$ gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1901 (2019) 016
4.	Search for heavy charged long-lived particles in proton-proton collisions at $s\sqrt{s} = 13 \text{ TeV}$ using an ionisation measurement with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B788 (2019) 96-116
5.	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in $pp$ collisions at	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev,	Phys.Lett. B788 (2019) 347-370

	$\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	
6.	Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B788 (2019) 316-335
7.	A search for pairs of highly collimated photon-jets in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.1, 012008
8.	Search for squarks and gluinos in final states with hadronically decaying $\tau$ -leptons, jets, and missing transverse momentum using $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.1, 012009
9.	Search for doubly charged scalar bosons decaying into same-sign $W$ boson pairs with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.1, 58
10	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.2, 120
11.	Correlated long-range mixed-harmonic	ATLAS Collaboration, O. Fedin,	Phys.Lett. B789 (2019) 444-471

	fluctuations measured in $pp$ , $p+Pb$ and low-multiplicity $Pb+Pb$ collisions with the ATLAS detector	V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	
12.	Measurement of photon-jet transverse momentum correlations in 5.02 TeV $Pb + Pb$ and $pp$ collisions with ATLAS	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B789 (2019) 167-190
13.	Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ decay channel in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B789 (2019) 508-529
14.	Measurements of $W$ and $Z$ boson production in $pp$ collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.2, 128
15.	In situ calibration of large-radius jet energy and mass in 13 TeV proton–proton collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.2, 135
16.	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev,	Eur.Phys.J. C79 (2019) no.3, 205

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17.	Study of the hard double-parton scattering contribution to inclusive four-lepton production in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B790 (2019) 595-614
18.	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B790 (2019) 108-128
19.	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}\mu\mu$ final state in $pp$ collision at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B790 (2019) 1-21
20.	Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.5, 052009
21.	Measurement of the top quark mass in the $t\bar{t} \rightarrow$ lepton+jets channel from $\sqrt{s} = 8$ TeV ATLAS data and combination with previous results	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.4, 290
22.	Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}$ production with	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky,	JHEP 1904 (2019) 046

	additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	
23.	Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1904 (2019) 048
24.	Search for Higgs boson pair production in the $bb^-WW^*$ decay mode at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1904 (2019) 092
25.	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1904 (2019) 093
26.	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev.Lett. 122 (2019) no.15, 151801
27.	Study of the rare decays of $B_s^0$ and $B^0$ mesons into muon pairs using data collected during 2015 and 2016 with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1904 (2019) 098

28.	Performance of top-quark and $WW$ -boson tagging with ATLAS in Run 2 of the LHC	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.5, 375
29.	Measurements of W and Z boson production in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.5, 374
30	Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.5, 382
31.	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1905 (2019) 041
32.	Combinations of single-top-quark production cross-section measurements and $ f_{LV}V_{tb} $ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1905 (2019) 088
33.	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev,	JHEP 1905 (2019) 124

		A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	
34.	Search for top-quark decays $t \rightarrow Hq$ with $36 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1905 (2019) 123
35.	Measurement of $VH, H \rightarrow bb$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1905 (2019) 141
36.	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1905 (2019) 164
37.	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B793 (2019) 499-519
38.	Observation of electroweak $W^{\pm}Z$ boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B793 (2019) 469-492
39.	Measurement of jet-substructure observables	ATLAS Collaboration, O. Fedin,	JHEP 1908 (2019) 033

	in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	
40.	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.8, 666
41.	Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B795 (2019) 56-75
42.	Searches for scalar leptoquarks and differential cross-section measurements in dilepton–dijet events in proton–proton collisions at a centre-of-mass energy of $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS experiment	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.9, 733
43.	Dijet azimuthal correlations and conditional yields in pp and p+Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. C100 (2019) no.3, 034903
44.	Measurement of prompt photon production in $\sqrt{s_{NN}} = 8.16 \text{ TeV}$ p + Pb collisions with ATLAS	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev,	Phys.Lett. B796 (2019) 230-252



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45.	Search for high-mass dilepton resonances using 139 fb <sup>-1</sup> of pp collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Lett. B796 (2019) 68-87
46.	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H \rightarrow WW^* \rightarrow \ell\nu\ell\nu$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B798 (2019) 134949
47.	Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B798 (2019) 134942
48.	Evidence for the production of three massive vector bosons with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B798 (2019) 134913
49.	Measurement of $W^\pm$ boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C79 (2019) no.11, 935
50.	Measurement of $W^\pm$ -boson and Z-boson production cross-sections in pp collisions at	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky,	Eur.Phys.J. C79 (2019) no.11, 901

	$\sqrt{s} = 2.76$ TeV with the ATLAS detector	I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
51.	Search for heavy neutral leptons in decays of $W$ bosons produced in 13 TeV $pp$ collisions using prompt and displaced signatures with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 1910 (2019) 265
52.	Observation of electroweak production of a same-sign $W$ boson pair in association with two jets in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev.Lett. 123 (2019) no.16, 161801
53.	Measurement of the inclusive isolated-photon cross section in $pp$ collisions at $\sqrt{s} = 13$ TeV using $36 \text{ fb}^{-1}$ of ATLAS data	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 1910 (2019) 203
54.	Measurement of $ZZ$ production in the $\ell\ell\nu\nu$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 1910 (2019) 127
<b><i>Иные публикации</i></b>			
1.	Search for resonant and non-resonant Higgs boson pair production in the $bb^-\tau^+\tau^-$ decay channel in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev,	Phys.Rev.Lett. 122 (2019) no.8, 089901

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2.	Search for heavy long-lived multi-charged particles in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.5, 052003
3.	Properties of $g \rightarrow bb^-$ at small opening angles in $pp$ collisions with the ATLAS detector at $\sqrt{s} = 13 \text{ TeV}$	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.5, 052004
4.	Search for long-lived particles produced in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ that decay into displaced hadronic jets in the ATLAS muon spectrometer	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.5, 052005
5.	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JINST 14 (2019) P03017
6.	The experimental facility for the Search for Hidden Particles at the CERN SPS	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JINST 14 (2019) no.03, P03025
7.	Cross-section measurements of the Higgs boson decaying into a pair of $\tau$ -leptons in	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky,	Phys.Rev. D99 (2019) 072001

	proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	
8.	Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ cross sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.7, 072009
9.	Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.9, 092004
10.	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13 \text{ TeV}$ pp collision data collected by the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1905 (2019) 142
11.	Search for heavy charged long-lived particles in the ATLAS detector in $36.1 \text{ fb}^{-1}$ of proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D99 (2019) no.9, 092007
12.	Modelling radiation damage to pixel sensors in the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JINST 14 (2019) no.06, P06012

13.	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1906 (2019) 144
14.	Search for scalar resonances decaying into $\mu^+\mu^-$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JHEP 1907 (2019) 117
15.	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from pp and Pb+Pb Collisions in ATLAS	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev.Lett. 123 (2019) no.4, 042001
16.	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D100 (2019) no.1, 012006
17.	Observation of Light-by-Light Scattering in Ultraperipheral Pb+Pb Collisions with the ATLAS Detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev.Lett. 123 (2019) no.5, 052001
18.	Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev,	Phys.Rev. D100 (2019) no.3, 032007

	$\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	
19.	Measurement of the cross-section and charge asymmetry of W bosons produced in proton–proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Eur.Phys.J. C79 (2019) no.9, 760
20.	Resolution of the ATLAS muon spectrometer monitored drift tubes in LHC Run 2	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	JINST 14 (2019) no.09, P09011
21.	Properties of jet fragmentation using charged particles measured with the ATLAS detector in pp collisions at $\sqrt{s} = 13 \text{ TeV}$	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D100 (2019) no.5, 052011
22.	Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko	Phys.Rev. D100 (2019) no.5, 052013
23.	Measurement of the cross-section and charge asymmetry of W bosons produced in proton–proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C79 (2019) no.9, 760
24.	Measurement of fiducial and differential	ATLAS Collaboration, O. Fedin,	Eur.Phys.J. C79 (2019) no.10, 884

	$W^+W^-$ production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector	V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
25.	Search for excited electrons singly produced in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C79 (2019) no.9, 803
26.	Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D100 (2019) no.5, 052013
27.	Search for diboson resonances in hadronic final states in $139 \text{ fb}^{-1}$ of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 1909 (2019) 091
28.	Properties of jet fragmentation using charged particles measured with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D100 (2019) no.5, 052011
29.	Identification of boosted Higgs bosons decaying into $b$ -quark pairs with the ATLAS detector at 13 TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev,	Eur.Phys.J. C79 (2019) no.10, 836

		M. Levchenko, D. Pudzha	
30.	ATLAS b-jet identification performance and efficiency measurement with $tt^-$ events in pp collisions at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C79 (2019) no.11, 970
31.	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C79 (2019) no.12, 985
32.	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C79 (2019) no.10, 847
33.	Measurement of angular and momentum distributions of charged particles within and around jets in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, I. Naryshkin, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. C100 (2019) no.6, 064901