

ПОКАЗАТЕЛИ ЭФФЕКТИВНОСТИ 2020 Г.

1.	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $s\sqrt{= 13}$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JINST 15 (2020)
2.	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2003 (2020)
3.	Measurement of the top quark pair production cross section in dilepton final states containing one τ lepton in pp collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2002
4.	Observation of the $\Lambda 0b \rightarrow J/\psi \Lambda \phi$ decay in proton-proton collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B802.
5.	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2002.
6.	Bose-Einstein correlations of charged	S. Chatrchyan,... A.A. Vorobyov, V.L.	JHEP 2003.

	hadrons in proton-proton collisions at $s\sqrt{= 13}$ TeV.	Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	
7.	Search for supersymmetry with a compressed mass spectrum in events with a soft τ lepton, a highly energetic jet, and large missing transverse momentum in proton-proton collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 124.
8.	Evidence for WW production from double-parton interactions in proton-proton collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C80.
9.	Search for electroweak production of a vector-like T quark using fully hadronic final states.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2001.
10.	Observation of the $\Lambda^0 b \rightarrow J/\psi \Lambda \phi$ decay in proton-proton collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B802.
11.	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $s\sqrt{= 13}$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V.	JHEP 2002.

		Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	
12.	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $s\sqrt{=}$ 13 TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2003.
13.	Search for supersymmetry with a compressed mass spectrum in events with a soft τ lepton, a highly energetic jet, and large missing transverse momentum in proton-proton collisions at $s\sqrt{=}$ 13 TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 124.
14.	Running of the top quark mass from proton-proton collisions at $s\sqrt{=}$ 13TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B803.
15.	Evidence for WW production from double-parton interactions in proton-proton collisions at $s\sqrt{=}$ 13 TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C80.
16.	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $s\sqrt{=}$ 13 TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B803

17.	Search for electroweak production of a vector-like T quark using fully hadronic final states.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2001
18.	Searches for physics beyond the standard model with the $MT2$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $s\sqrt{=} 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C80.
19.	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $s\sqrt{=} 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2001.
20.	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $s\sqrt{=} 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C80.
21.	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $s\sqrt{=} 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 2003.
22.	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V.	Eur.Phys.J. C80

	$s\sqrt{= 13 \text{ TeV.}}$	Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	
23.	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $s\sqrt{= 13 \text{ TeV.}}$	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B800.
24.	Combined search for supersymmetry with photons in proton-proton collisions at $s\sqrt{= 13 \text{ TeV.}}$	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B801.
25.	Observation of nuclear modifications in $W\pm$ boson production in pPb collisions at $sNN\sqrt{=8.16 \text{ TeV.}}$	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B800.
26.	Multiparticle correlation studies in pPb collisions at $sNN\sqrt{= 8.16 \text{ TeV.}}$	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Rev. C101.
27.	Extraction and validation of a new set of CMS PYTHIA8 tunes from underlying-event measurements.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C80.
28.	Measurement of electroweak	S. Chatrchyan,... A.A. Vorobyov, V.L.	Eur.Phys.J. C80.

	production of a W boson in association with two jets in proton-proton collisions at $s\sqrt{=} 13$ TeV.	Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	
29.	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $s\sqrt{=} 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Lett. B800.
30.	<i>First observation of excited Ω_b^- states</i>	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. Lett. 124 (2020) 082002
31.	<i>Precision measurement of the Ξ_{cc}^{++} mass</i>	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 02 (2020) 049
32.	<i>Measurement of the $\eta_c(1S)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV</i>	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Eur. Phys. J. C80 (2020) 191
33.	<i>Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+K^-$ and $D^0 \rightarrow \pi^+\pi^-$ decays</i>	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М.	Phys. Rev. D101 (2020) 012005

		Степанова, Н. Воропаев, А. Воробьев.	
34.	<i>Measurement of Ξ_{cc}^{++} production in pp collisions at $\sqrt{s}=13$ TeV</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Chin. Phys. C44 (2020) 022001
35.	<i>Search for $A' \rightarrow \mu + \mu^-$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. Lett. 124 (2020) 041801
36.	<i>Search for the doubly charmed baryon Ξ_{cc}^+</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Sci. China Phys. Mech. Astron. (2020) 63 221062
37.	<i>Amplitude analysis of the $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ decay</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. D101 (2020) 012006
38.	<i>Observation of several sources of CP violation in $B^+ \rightarrow \pi^+ \pi^+ \pi^-$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. Lett. 124 (2020) 031801
39.	<i>Measurement of $\psi(2S)$ production cross-</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, А. Дзюба, А.	Eur. Phys. J. C80 (2020) 185

	<i>sections in proton-proton collisions at $\sqrt{s}=7$ and 13 TeV</i>	Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	
40.	Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of $K^*(892)$ and $\phi(1020)$ mesons	Коллаборация ALICE (В.Иванов, Е.Крышень, А.Ханзадеев, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, М.Жалов)	Phys.Lett. B802 (2020) 135225 март
41.	Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	ЖНЕР 2002 (2020) 077 февраль
42.	Studies of J/Ψ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	ЖНЕР 2002 (2020) 041 февраль
43.	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s_{NN}}=7$ TeV and p-Pb at collisions at $\sqrt{s_{NN}}=5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	Eur.Phys.J. C80 (2020) no.2, 160 февраль
44.	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s}=13$ TeV	Коллаборация ALICE (В.Иванов,...)	Eur.Phys.J. C80 (2020) no.2, 167 февраль
45.	Multiplicity dependence of light (anti-)nuclei production in p-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B800 (2020) 135043 январь
46.	Scattering studies with low-energy kaon-proton femtoscopy in proton-proton collisions at the LHC	Коллаборация ALICE (В.Иванов,...)	Phys.Rev.Lett. 124 (2020) no.9, 092301 март
47.	Exploration of jet substructure using iterative declustering in pp and Pb-Pb	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B802 (2020) 135227 март

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48.	Measurement of strange baryon–antibaryon interactions with femtoscopic correlations	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B802 (2020) 135223 март
49.	Strangeness Photoproduction at the BGO-OD Experiment	T.C. Jude (Bonn U.) et al..	Phys.Part.Nucl. 50 (2019) no.5, 493-500, Erratum: Phys.Part.Nucl. 51 (2020) no.1, 122 DOI: 10.1134/S1063779620320015, 10.1134/S1063779619050113
	New data on $\gamma^{\vec{}} p^{\vec{}} \rightarrow \eta p$ with polarized photons and protons and their implications for $N^* \rightarrow N\eta$ decays	CBELSA/TAPS Collaboration (J. Müller et al.).	Phys.Lett. B803 (2020) 135323 DOI: 10.1016/j.physletb.2020.135323 e-Print: arXiv:1909.08464 [nucl-ex] PDF
50.	Channeling efficiency in a target-crystal assembly	W. Scandale, F. Cerutti, L.S. Esposito, M. Garattini, S. Gilardoni, S. Montesano, A. Natochii, R. Rossi, G.I. Smirnov, V. Zhovkovska, S. Dubos, V. Puill, A. Stocchi, F. Addesa, F. Iacoangeli, F. Murtas, F. Galluccio, A.D. Kovalenko, A.M. Taratin, A.S. Denisov, Yu.A. Gavrikov, Yu.M. Ivanov, L.P. Lapina, L.G. Malyarenko, V.V. Skorobogatov, A.G. Afonin, Yu.A. Chesnokov, A.A. Durum, V.A. Maisheev, Yu.E. Sandomirskiy, A.A. Yanovich, J. Borg, T. James, G. Hall, M. Pesaresi	Nuclear Inst. and Methods in Physics Research B 467 (2020) 118–122

51.	Angular asymmetry of the nuclear interaction probability of high energy particles in short bent crystals	W. Scandale, F.Cerutti, L. S. Esposito, M.Garattini, S.Gilardoni, A.Natochii, R. Rossi, G. I. Smirnov, V. Zhovkovska, F. Galluccio, F. Addesa, F. Iacoangeli, A. D. Kovalenko, A. M. Taratin, Yu. A. Gavrikov, Yu.M. Ivanov, M. A. Koznov, M. V. Malkov, L. G. Malyarenko, I. G. Mamunct, J. Borg, T. James, G. Hall, M. Pesaresi	Eur. Phys. J. C (2020) 80:27 https://doi.org/10.1140/epjc/s10052-019-7590-x
52.	Z boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured by the ATLAS experiment	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B802 (2020) 135262
53.	Measurement of the $Z(\rightarrow\ell^+\ell^-)\gamma$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2003 (2020) 054
54.	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev.Lett. 124 (2020) no.8, 082301
55.	Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B801 (2020) 135114
56.	Search for non-resonant Higgs boson pair production in the $b\bar{b}\ell\nu\ell\nu$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B801 (2020) 135145
57.	Search for the Higgs boson decays	ATLAS Collaboration, O. Fedin, V. Maleev, V.	Phys.Lett. B801 (2020) 135148

	$H \rightarrow ee$ and $H \rightarrow e\mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
58.	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $s\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C80 (2020) no.2, 123
59.	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2002 (2020) 042
60.	Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau\tau$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B805 (2020) 135426
61.	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb^{-1} of data collected with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2006 (2020) 046
62.	Evidence for electroweak production of two jets in association with a $Z\gamma$ pair in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B803 (2020) 135341
63.	ATLAS data quality operations and performance for 2015-2018 data-taking	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko,	JINST 15 (2020) no.04, P04003

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64.	Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C80 (2020) no.5, 450
65.	Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D101 (2020) no.7, 072001
66.	Search for long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D101 (2020) no.5, 052013
67.	<i>Observation of new Ξ_c^0 baryons decaying to $\Lambda_c^+ K^-$</i>	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. Lett. 124 (2020) 222001
68.	<i>Search for the rare decays $B_s^0 \rightarrow e^+ e^-$ and $B^0 \rightarrow e^+ e^-$</i>	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. Lett. 124 (2020) 211802

69.	<i>Measurement of CP observables in $B^\pm \rightarrow DK^\pm$ and $B^\pm \rightarrow D\pi^\pm$ with $D \rightarrow K_S^0 K^\pm \pi^\mp$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 06 (2020) 058
70.	<i>Observation of a new baryon state in the $\Lambda_b^0 \pi^+ \pi^-$ mass spectrum</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 06 (2020) 136
71.	<i>Measurement of V_{cb} with $B_s^0 \rightarrow D_s^{(*)-} \mu^+ \nu_\mu$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. D101 (2020) 072004
72.	<i>Test of lepton universality with $\Lambda_b^0 \rightarrow p K^- \ell^+ \ell^-$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 05 (2020) 040
73.	<i>Measurement of CP violation in $B^0 \rightarrow D^{*\pm} D^\mp$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 03 (2020) 147
74.	<i>Isospin amplitudes in $\Lambda_b^0 \rightarrow J/\psi \Lambda(\Sigma^0)$ and $\Xi_b^0 \rightarrow J/\psi \Xi^0(\Lambda)$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д.	Phys. Rev. Lett. 124 (2020) 111802

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75.	<i>Observation of the semileptonic decay $B^+ \rightarrow p^- p \mu^+ \nu_\mu$</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 03 (2020) 146
76.	<i>Determination of quantum numbers for several excited charmed mesons observed in $B^- \rightarrow D^{*+} \pi^- \pi^-$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. D101 (2019) 032005
77.	<i>Measurement of f_s/f_u variation with proton-proton collision energy and B-meson kinematics</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. Lett. 124 (2020) 122002
78.	<i>Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s}=7$ and 13 TeV</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Eur. Phys. J. C80 (2020) 185
79.	<i>Measurement and microscopic description of odd-even staggering of charge radii of exotic copper isotopes</i>	R. P. de Groote,... D. V. Fedorov,... et al	Nature Physics Volume 16 , (2020) 620-624. DOI 10.1038/s41567-020-0868-y.
80.	<i>Shape coexistence in ^{187}Au studied by laser spectroscopy</i>	A.E. Barzakh,... D. V.Fedorov,... P. L. Molkanov, M. D. Seliverstov,... et al.	Phys. Rev. C 101 , 064321 (2020). DOI: 10.1103/PhysRevC.101.064321

81.	Linear and non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE (В.Иванов, Е.Крышень, А.Ханзадеев, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, М.Жалов)	JHEP 2005 (2020) 085
82.	Investigation of the p- Σ^0 interaction via femtoscopy in pp collisions	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B805 (2020) 135419
83.	Production of (anti-) ^3He and (anti-) ^3H in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Rev. C101 (2020) no.4, 044906
84.	Centrality and transverse momentum dependence of inclusive J/ $\psi\psi$ production at midrapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B805 (2020) 135434
85.	Underlying Event properties in pp collisions at $\sqrt{s_{NN}} = 13$ TeV	Коллаборация ALICE (В.Иванов,...)	JHEP 2004 (2020) 192
86.	Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B804 (2020) 135375
87.	Measurement of electrons from semileptonic heavy flavour decays at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B804 (2020) 135377
88.	Measurement of the (anti) ^3He elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Lett. B805 (2020) 135414
89.	Production of charged pions, kaons and (anti-)protons in Pb-Pb and inelastic pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Rev. C101 (2020) no.4, 044907

90.	Global polarization of Λ and anti- Λ hyperons in Pb-Pb collisions at the LHC	Коллаборация ALICE (В.Иванов,...)	Phys.Rev. C101 (2020) no.4, 044611
91.	Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Коллаборация ALICE (В.Иванов,...)	Phys.Rev.C 101 (2020) 6, 064901
92.	Coherent photoproduction of ρ^0 vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.	Коллаборация ALICE (В.Иванов,...)	ЖНЕР 06 (2020) 035
93.	J/ Ψ and $\Psi(2s)$ production at forward rapidity in p+p collisions at $\sqrt{s} = 510$ GeV	PHENIX Collaboration (..Ivanischev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	Phys.Rev. D101 (2020),5, 052006
94.	Diffraction dijet photoproduction at the EIC	V. Guzey, M. Klasen	ЖНЕР 05 (2020) 074
95.	Mass-Difference Measurements on Heavy Nuclides with an eV/c ² Accuracy in the PENTATRAP Spectrometer	A. Rischka, ...P. Filianin, S. Eliseev, Yu. Novikov et al.	Phys.Rev.Lett. 124 (2020)113001-06
96.	Detection of metastable electronic states by Penning trap mass spectrometry	R. Shuessler, ...S. Eliseev, P. Filianin, Yu. Novikov et al.	Nature 581 (2020) 42-46
97.	ИССЛЕДОВАНИЕ РЕАКЦИИ НЕУПРУГОГО РАССЕЯНИЯ $A(p, p')X$ НА ЯДРАХ ${}^9\text{Be}$ и ${}^{90}\text{Zr}$ ПРИ ЭНЕРГИИ 1 ГэВ	О.В. Миклухо, А.Ю. Киселев, Г.М. Амальский, В.А. Андреев, С.Г. Барсов, Г.Е. Гаврилов, А.А. Жданов, А.А. Изотов, Д.С. Ильин, Н.Г. Козленко, П.В. Кравченко, Д.А. Майсузенко, В.И. Мурзин, Д.В. Новинский, А.В. Шведчиков	ЯДЕРНАЯ ФИЗИКА, 2020, том 83, № 3, с. 224–234.

98.	Study of Inelastic $A(p, p')X$ Reaction with ^9Be and ^{90}Zr Nuclei at 1 GeV	O.V. Miklukho, A.Yu. Kisselev, G.M. Amalsky, V.A. Andreev, S.G. Barsov, G.E. Gavrillov, D.S. Ilyin, A.A. Izotov, N.G. Kozlenko, P.V. Kravchenko, D.A. Maysuzenko, V.I. Murzin, D.V. Novinskiy, A.V. Shvedchikov, and A.A. Zhdanov	Physics of Atomic Nuclei, 2020, Vol. 83, No. 3, pp. 431–441.
99.	The CLAS12 Forward Time-of-Flight system	D.S. Carman, L. Clark, R. De Vita, G. Fedotov, R.W. Gothe, G. Hollis, B. Miller, E. Phelps, Y. Tian, A. Trivedi, C. Wiggins	Nuclear Inst. and Methods in Physics Research, A 960 (2020) 163629
100.	Precision measurement of the neutral pion lifetime	I. Larin, ... , G. Fedotov, et.al.	Science ,Vol 368, Issue 6490, 01 May 2020
101.	Роль гравитации в структуре элементарных частиц	С.И. Манаенков	Ядерная физика, 2020, том 82, № 2, с. 203-211
102.	New data on $\gamma^* p^* \rightarrow \eta p \rightarrow \eta p$ with polarized photons and protons and their implications for $N^* \rightarrow N\eta$ $N^* \rightarrow \eta N$ decays	J. CBELSA/TAPS Collaboration Müller(Bonn U., HISKP) et al.	Phys.Lett.B 803 (2020) 135323
103.	Measurement of the muon flux from 400 GeV/c protons interacting in a thick molybdenum/tungsten target	SHiP Collaboration, C.Ahdida, ... , O.Fedin, G.Gavrillov, V.Kim, E.Kuznetsova, V. Maleev, ... et al.	Eur.Phys.J.C 80 (2020) 3, 284
104.	Search for supersymmetry in pp collisions at 13 TeV with 137 fb⁻¹ in final states with a single lepton using the sum of masses of large-radius jets	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Rev.D 101 (2020) 5, 052010
105.	Strange hadron production in pp and	CMS Collaboration, A.M. Sirunyan, ... L.	Phys.Rev.C 101 (2020) 6,

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106.	Constraints on the χ_{c1} versus χ_{c2} polarizations in proton-proton collisions at $\sqrt{s}= 8$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Rev.Lett. 124 (2020) 16, 162002
107.	Search for a narrow resonance lighter than 200 GeV decaying to a pair of muons in proton-proton collisions at $\sqrt{s} = 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Rev.Lett. 124 (2020) 13, 131802
108.	Measurement of the jet mass distribution and top quark mass in hadronic decays of boosted top quarks in pp collisions at $\sqrt{s} = 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Rev.Lett. 124 (2020) 20, 202001
109.	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft τ Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}= 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Rev.Lett. 124 (2020) 4, 041803
110.	Mixed higher-order anisotropic flow and nonlinear response coefficients of	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V.	Eur.Phys.J.C 80 (2020) 6, 534

	charged particles in PbPb collisions at $\sqrt{s_{NN}}= 2.76$ and 5.02 TeV	Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	
111.	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton–proton collisions at $\sqrt{s}=13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Eur.Phys.J.C 80 (2020) 5, 370
112.	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s}= 13$ TeV and constraints on anomalous quartic couplings	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 06 (2020) 076
113.	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s}= 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 05 (2020) 052
114.	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s}= 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 06 (2020) 146
115.	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 05 (2020) 032

116.	Determination of the strong coupling constant $\alpha_s(m_Z)$ from measurements of inclusive W^\pm and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 06 (2020) 018
117.	A search for the standard model Higgs boson decaying to charm quarks	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 03 (2020) 131
118.	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\mu\tau$ and $e\tau$ in proton-proton collisions at $\sqrt{s}= 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 03 (2020) 103
119.	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s}= 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 05 (2020) 033
120.	Measurement of properties of $B_s^0 \rightarrow \mu^+\mu^-$ decays and search for $B^0 \rightarrow \mu^+\mu^-$ with the CMS experiment	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	JHEP 04 (2020) 188
121.	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s}= 13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin,	JHEP 04 (2020) 171

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122.	Search for disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Lett.B 806 (2020) 135502
123.	A measurement of the Higgs boson mass in the diphoton decay channel	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Lett.B 805 (2020) 135425
124.	Study of excited Λ_b^0 states decaying to $\Lambda_b^0\pi^+\pi^-$ in proton-proton collisions at $\sqrt{s}=13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Lett.B 803 (2020) 135345
125.	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s}=13$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Lett.B 805 (2020) 135448
126.	Study of J/ψ meson production inside jets in pp collisions at $\sqrt{s}=8$ TeV	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtcov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Lett.B 804 (2020) 135409
127.	Running of the top quark mass from	CMS Collaboration, A.M. Sirunyan, ... L.	Phys.Lett.B 803 (2020) 135263

	proton-proton collisions at $\sqrt{s}=13\text{TeV}$	Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	
128.	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $s=13\text{TeV}$	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Lett.B 803 (2020) 135285
129.	Production of Λ_c^+ baryons in proton-proton and lead-lead collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$	CMS Collaboration, A.M. Sirunyan, ... L. Chtchipounov, V. Golovtsov, Yu. Ivanov, V. Kim, E. Kuznetsova, P. Levchenko, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, A. Vorobyev, ... et al.	Phys.Lett.B 803 (2020) 135328
130.	Sterile neutrino oscillometry with Jinping	M. V. Smirnov, Zh. J.Hu, J. J. Ling, Yu. N. Novikov, Z. Wang, G. Yang	Eur. Phys. J. C (2020) 80:609
131.	Measurements of inclusive and differential cross-sections of combined $t\bar{t}\gamma$ and $tW\gamma$ production in the $e\mu$ channel at 13 TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2009 (2020) 049
132.	CP Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}H$ and tH Processes Using $H\rightarrow\gamma\gamma$ with the ATLAS Detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 125 (2020) 061802
133.	Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko,	Phys. Lett. B 807 (2020) 135595

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134.	Measurements of top-quark pair spin correlations in the $e\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 80 (2020) 754
135.	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2008 (2020) 051
136.	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 80 (2020) 691
137.	Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2007 (2020) 124
138.	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2008 (2020) 080
139.	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 80 (2020) 737
140.	Search for supersymmetry in proton-	S. Chatrchyan,... A.A. Vorobyov, V.L.	<i>JHEP 09 (2020), 149</i>

	proton collisions at $\sqrt{s} = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum	Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	
141.	Search for resonant pair production of Higgs bosons in the bbZZ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	Phys.Rev.D 102 (2020) 3, 032003
142.	Search for a light pseudoscalar Higgs boson in the boosted $\mu\mu\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	JHEP 08 (2020), 139
143.	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	JHEP 08 (2020) 08, 051
144.	Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	Phys.Lett.B 809 (2020), 135710
145.	Measurement of CKM matrix elements in single top quark ttt-channel production in proton-proton collisions at $\sqrt{s} = 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N.	Phys.Lett.B 808 (2020), 135609

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146.	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al..	JINST 15 (2020) 06, P06005.
147.	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al..	Phys.Lett.B 806 (2020), 135502.
148.	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al...</i>	JHEP 07 (2020), 115.
149.	The production of isolated photons in PbPb and pp collisions at $\sqrt{s^{NN}} = 5.02$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al...</i>	JHEP 07 (2020), 116
150.	Measurement of the cross section for $t\bar{t}$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al...</i>	JHEP 07 (2020), 125
151.	Study of central exclusive $\pi^+ \pi^-$ production in proton-proton collisions at	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko,	Eur.Phys.J.C 80 (2020) 8, 718

	$\sqrt{s} = 5.02$ and 13 TeV	V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al...</i>	
152.	Pileup mitigation at CMS in 13 TeV data	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	JINST 15 (2020) 09, P09018
153.	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic couplings	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	JHEP 06 (2020), 076
154.	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\mu^+\mu^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	Phys.Lett.B 808 (2020), 135578
155.	A measurement of the Higgs boson mass in the diphoton decay channel	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	Phys.Lett.B 805 (2020), 135425
156.	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	Eur.Phys.J.C 80 (2020) 8, 752

157.	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	JHEP 07 (2020), 126
158.	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	Phys.Rev.D 102 (2020) 3, 032007
159.	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	JINST 15 (2020) 06, P06009
160.	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	JHEP 06 (2020), 146
161.	Studies of charm quark diffusion inside jets using PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, E. V. Kuznetsova, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, D. E. Sosnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, et al.	Phys.Rev.Lett. 125 (2020) 10, 102001
162.	“Измерение угловых распределений осколков деления ^{240}Pu нейтронами с энергиями 1–200 МэВ и их модельный	А.С. Воробьев, А.М. Гагарский, О.А. Щербаков, Л.А. Вайшнине, А.Л. Барабанов.	Письма в ЖЭТФ, 2020, том 112, вып. 6, с.343 – 351.

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163.	Observation of strong reduction of multiple scattering for channeled particles in bent crystals	W.Scandale, ..., A.S. Denisov, Yu.A.Gavrikov, Yu.M.Ivanov, L.P.Lapina, L.G.Malyarenko, V.V.Skorobogatov	Physics Letters B 804 (2020) 135396
164.	Channeling efficiency in a target-crystal assembly	W.Scandale, ..., A.S.Denisov, Yu.A.Gavrikov, Yu.M.Ivanov, L.P.Lapina, L.G.Malyarenko, V.V.Skorobogatov	Nuclear Inst. and Methods in Physics Research B 467 (2020) 118–122
165.	Angular asymmetry of the nuclear interaction probability of high energy particles in short bent crystals	Yu.A.Gavrikov, Yu.M.Ivanov, M.A.Koznov, M.V.Malkov, L.G.Malyarenko, I.G.Mamunet	Eur. Phys. J. C (2020) 80:27
166.	<i>Search for CP violation and observation of P violation in $\Lambda_b^0 \rightarrow p\pi^-\pi^+\pi^-$</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. D 102 (2020) 051101
167.	<i>Measurement of the branching fraction of the decay $B_s^0 \rightarrow K_s^0 K_s^0$</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. D 102 (2020) 012011
168.	<i>Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^- \tau^+$ using B_{s2}^{*0} decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 06 (2020) 129
169.	<i>Measurement of CP-averaged observables in the $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decay</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д.	Phys. Rev. Lett. 125 (2020) 011802

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170.	<i>Precision measurement of the B_c^+ meson mass</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 07 (2020) 123
171.	<i>Measurement of the $\Lambda_b^0 \rightarrow J/\psi \Lambda$ angular distribution and the Λ_b^0 polarisation in pp collisions</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 06 (2020) 110
172.	<i>Study of the $\psi_2(3823)$ and $\chi_{c1}(3872)$ states in $B^+ \rightarrow (J/\psi \pi^+ \pi^-) K^+$ decays</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 08 (2020) 123
173.	<i>First observation of the decay $B^0 \rightarrow D^0 D^{-0} K^+ \pi^-$</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. D102 (2020) 051102
174.	<i>β-delayed fission of isomers in ^{188}Bi</i>	V. Andel A,... A.E. Barzakh,... D. V.Fedorov,... P. L. Molkanov,... M. D. Seliverstov,... et al.	<i>Phys. Rev. C</i> 102 , 014319 (2020). Июль DOI: 10.1103/PhysRevC.102.014319 .
175.	<i>Laser-assisted decay spectroscopy for the ground states of $^{180}, ^{182}\text{Au}$</i>	R. D. Harding,..., A.E. Barzakh,... D. V.Fedorov,... P. L. Molkanov, M. D. Seliverstov,... et al.	<i>Phys. Rev. C</i> 102 , 024312 (2020). Август https://doi.org/10.1103/PhysRevC

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176.	<i>The electron affinity of astatine</i>	D. Leimbach,... D. V.Fedorov,...P. L. Molkanov, ... et al.	Nat Commun 11 , 3824 (2020). АВГУСТ https://doi.org/10.1038/s41467-020-17599-2
177.	W+W- boson pair production in proton-proton collisions at $\sqrt{s}=13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Rev.D 102 (2020) 9, 092001
178.	Measurement of $B_c(2S)^+$ and $B^*c(2S)^+$ cross section ratios in proton-proton collisions at $\sqrt{s}=13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Rev.D 102 (2020) 9, 092007
179.	Asymmetric skyrmion-antiskyrmion production in ultrathin ferromagnetic films	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys. Rev. B 102, (2020) 17, 174409
180.	Search for decays of the 125 GeV Higgs boson into a Z boson and a ρ or ϕ meson	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 11 (2020) 039.
181.	Investigation into the event-activity dependence of $Y(nS)$ relative production in proton-proton collisions at $s\sqrt{= 7}$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V.	JHEP 11 (2020) 001

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182.	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JINST 15 (2020) 10, P10002
183.	Estimate of the location of the neutron drip line for calcium isotopes from an exact Hamiltonian with continuum pair correlations.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys. Rev. C 102, 064301.
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185.	Evidence for Top Quark Production in Nucleus-Nucleus Collisions	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 125 (2020) 22, 222001
186.	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JINST 15 (2020) 10, P10017

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187.	Search for a light pseudoscalar Higgs boson in the boosted $\mu\mu\tau\tau$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	JHEP 08 (2020) 139
188.	Observation of the $B_{0s} \rightarrow X(3872)\phi$ Decay.	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko, V.A.Mursin, V.A. Oreshkin, I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 125 (2020) 15, 152001
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191.	Identification of heavy, energetic, hadronically decaying particles using	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levchenko,	JINST 15 (2020) 06, P06005

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195.	<i>Searches for low-mass dimuon resonances</i>	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д.	JHEP 10 (2020) 156

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196.	<i>Search for the doubly heavy Ξ_{bc}^0 baryon via decays to $D^0 p K^-$</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	JHEP 11 (2020) 095
197.	<i>First branching fraction measurement of the suppressed decay $\Xi_c^0 \rightarrow \pi^- \Lambda_c^+$</i>	ЛНСb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инглесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. D 102 (2020) 071101(R)
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199.	Evidence for $tt^- tt^-$ production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 80 (2020) 1085
200.	Measurement of the production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS experiment	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 810 (2020) 135797
201.	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko,	JINST 15 (2020) P11016

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202.	Search for top squarks in events with a Higgs or Z boson using 139 fb^{-1} of pp collision data at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 80 (2020) 1080
203.	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2011 (2020) 005
204.	A search for the $Z\gamma$ decay mode of the Higgs boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 809 (2020) 135754
205	Search for $t\bar{t}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2010 (2020) 061
206.	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2010 (2020) 112
207.	J/ψ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<i>JHEP 10 (2020) 141</i>
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209.	Measurement of the low-energy antideuteron inelastic cross section	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<i>Phys.Rev.Lett.</i> 125 (2020) 16, 162 001
210.	Measurement of isolated photon-hadron correlations in $\sqrt{s}=5.02$ TeV pp and p-Pb collisions	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<i>Phys.Rev.C</i> 102 (2020) 4, 04490
211.	Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV.	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<i>Phys.Rev.C</i> 102 (2020) 5, 055203
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213.	Multiplicity dependence of inclusive J/ψ production at midrapidity in pp collisions at $s=13$ TeV	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<i>Phys. Lett. B</i> 810 (2020) 135758
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215.	Production of bb^- at forward rapidity in p+p collisions at $\sqrt{s}=510$ GeV	PHENIX Collaboration (..Ivanishev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev.D</i> 102 (2020) 9, 092002
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217.	Measurement of jet-medium interactions via direct photon-hadron correlations in Au++Au and d ++Au collisions at $\sqrt{s_{NN}}=200$ GeV	PHENIX Collaboration (..Ivanishev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev.C</i> 102 (2020) 5, 05491
218.	Production of π^0 and η mesons in U+U collisions at $\sqrt{s_{NN}}=192$ GeV	PHENIX Collaboration (..Ivanishev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev.C</i> 102 (2020) , 064905
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220.	The BGOOD experimental setup at ELSA	Баядилов Д., Гриднев А. Б. , Новинский Д. В., Козленко Н. Г	Eur.Phys.J.A 56 (2020) 4, 104
221.	New data on $\gamma p \rightarrow \eta p$ with polarized photons and protons and their implications for $N^* \rightarrow N\eta$ decays	Баядилов Д., Гриднев А. Б. , Новинский	<i>Phys.Lett.B</i> 803 (2020) 135323
222.	Observation of the $p\eta'$ Cusp in the New Precise Beam Asymmetry Σ Data for $\gamma p \rightarrow p\eta$	Баядилов Д., Гриднев, А. Б. , Новинский	<i>Phys.Rev.Lett.</i> 125 (2020) 15, 152002
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2.	Search for Magnetic Monopoles and	ATLAS Collaboration, O. Fedin, V. Maleev, V.	Phys.Lett. B800 (2020) 135103

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4.	Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B800 (2020) 135069
5.	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Lett. B800 (2020) 135082
6.	Performance of electron and photon triggers in ATLAS during LHC Run 2	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C80 (2020) no.1, 47
7.	Combined measurements of Higgs boson production and decay using up to 80 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS experiment	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D101 (2020) no.1, 012002
8.	Measurement of J/ ψ production in association with a W^{\pm} boson with pp data at 8 TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2001 (2020) 095
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10.	Search for direct stau production in events with two hadronic τ -leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D101 (2020) no.3, 032009
11.	Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D101 (2020) no.5, 052005
12.	Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Scheglsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D101 (2020) no.5, 052007
13.	Measurement of top quark pair differential cross-sections in the dilepton channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. D101 (2020) no.11, 119901
14.	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, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys.Rev. C101 (2020) no.5, 059903
15.	Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2003 (2020) 179
16.	Measurement of the Lund jet plane using charged particles in 13 TeV proton-proton	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev,	Phys.Rev.Lett. 124 (2020) no.22, 222002

	collisions with the ATLAS detector	A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
17.	Search for new resonances in mass distributions of jet pairs using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2003 (2020) 145
18.	Measurement of the tt^{-} production cross-section and lepton differential distributions in $e\mu$ dilepton events from pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur.Phys.J. C80 (2020) no.6, 528
19.	First online operation of TRIGA-TRAP	J.Grund, ... D. Simonovski et al.	Nucl.Instr.Methods A972 (2020) 164013
20.	Testing Parameterizations of the Deuteron Quasi-Elastic Peak	Iu.A. Skorodumina, G.V. Fedotov, R.W. Gothe	arXiv:2003.02337 [nucl-ex], 4 Mar 2020,
21.	Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying to b-quarks at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 102 (2020) 032004
22.	Measurement of the transverse momentum distribution of Drell–Yan lepton pairs in proton–proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 80 (2020) 616
23.	Search for the $HH \rightarrow bb^{-}bb^{-}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2007 (2020) 108
24.	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13 \text{ TeV}$	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev,	JHEP 2006 (2020) 151

	proton-proton collision data collected by the ATLAS detector	A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
25.	Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 102 (2020) 032006
26.	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2007 (2020) 044
27.	Performance of the ATLAS muon triggers in Run 2	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JINST 15 (2020) P09015
28.	Dijet Resonance Search with Weak Supervision using $\sqrt{s} = 13$ TeV pp Collisions in the ATLAS Detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 125 (2020) 131801
29.	Search for Higgs boson decays into a Z boson and a light hadronically decaying resonance using 13 TeV pp collision data from the ATLAS detector	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 125 (2020) 221802
30.	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 80 (2020) 942
31.	Search for direct production of electroweakinos in final states with missing	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev,	JHEP 2010 (2020) 005

	transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	
32.	Operation of the ATLAS trigger system in Run 2	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JINST 15 (2020) P10004
33.	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC	ATLAS Collaboration, O. Fedin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2010 (2020) 062