

ПУБЛИКАЦИИ ОФВЭ ЗА 2021г.

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

6.	Measurement of hadronic event shapes in high- p_T multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2101 (2021) 188
7.	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 218
8.	Medium-Induced Modification of Z-Tagged Charged Particle Yields in Pb+Pb Collisions at 5.02 TeV with the ATLAS Detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 126 (2021) 072301
9.	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 11
10.	Observation of photon-induced W^+W^- production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 816 (2021) 136190
11.	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2102 (2021) 143
12.	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2102 (2021) 226

13.	Search for a new heavy Higgs bosons in ATLAS and CMS experiments	Yu. Naryshkin	JETP Letters 113, issue 4 (2021)
14.	The very forward CASTOR calorimeter of the CMS experiment.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JINST 16 (2021) 02, P02010
15.	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $s\sqrt{= 13}$ TeV.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 03 (2021) 011
16.	Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $s\sqrt{=13}$ TeV.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Phys.Lett.B 812 (2021) 136018
17.	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Phys.Lett.B 813 (2021) 136036
18.	Evidence for Higgs boson decay to a pair of muons.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 01 (2021) 148
19.	Measurements of $pp\rightarrow ZZ$ production cross sections and constraints on	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V.	Eur.Phys.J.C 81 (2021) 3, 200

	anomalous triple gauge couplings at $s\sqrt{=13\text{TeV}}$.	Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	
20	Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $s\sqrt{=13\text{TeV}}$.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Phys.Lett.B 812 (2021) 135992
21.	Search for top squark pair production using dilepton final states in pp collision data collected at $s\sqrt{=13\text{TeV}}$.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Eur.Phys.J.C 81 (2021) 1, 3
22.	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $s\sqrt{=13\text{TeV}}$.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Eur.Phys.J.C 81 (2021) 1, 13
23.	Search for the lepton flavor violating decay $\tau \rightarrow 3\mu$ in proton-proton collisions at $s\sqrt{=13\text{TeV}}$.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 01 (2021) 163
24.	Measurement of the inclusive and differential Higgs boson production	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 03 (2021) 003

	cross sections in the leptonic WW decay mode at $s\sqrt{= 13 \text{ TeV}}$.		
25.	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}}=8.16\text{TeV}$.	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Phys.Rev.C 103 (2021) 1, 014902
26.	Study of the normalized transverse momentum distribution of W bosons produced in $p\bar{p}$ collisions at $\sqrt{s}=1.96 \text{ TeV}$	The D0 Collaboration, ... G. Alkhazov, A. Lobodenko, P. Neustroev, Y. Scheglov, L. Uvarov, L. Uvarov et al.	Phys.Rev.D 103 (2021) 1, 012003
27.	Nuclear matter distributions in the neutron-rich carbon isotopes 14-17C from intermediate-energy proton elastic scattering in inverse kinematics	A.V. Dobrovolsky, G.A. Korolev, G.D. Alkhazov et al.	Nucl. Phys. A 1008 (2021) 122154
28.	Feasibility study for the measurement of time-like proton electromagnetic form factor from $\bar{p}p \rightarrow \mu^+ \mu^-$ at \bar{P} SANDA at FAIR	G. Barucca, F. Davi, G. Lancioni, ..., S. Belostotski, G. Fedotov, G. Gavrilov, A. Izotov, S. I. Manaenkov, O. Miklukho, A. Zhdanov, ..., et al. (PANDA Collaboration.)	Eur. Phys. J. A57, No 1, p. 30 (2021)
29.	Azimuthal single- and double-spin asymmetries in semi-inclusive deep-inelastic lepton scattering by transversely polarized protons	A.~Airapetian, N.~Akopov, ..., S. Belostotski, ..., G.~Gavrilov, ..., A. Kisselev, P. Kravchenko, ..., S. Manaenkov, ..., Yu. Naryshkin, ..., D. Veretennikov, et al. (HERMES Coll.).	ЖЕП 12., 010 (2020) (конец декабря)

30.	Laser Spectroscopy of Neutron-Rich $^{207};^{208}\text{Hg}$ Isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the $N = 126$ Shell Closure.	T. Day Goodacre,... A.E. Barzakh,... D. V. Fedorov,... P. L. Molkanov, M. D. Seliverstov,... et al.	Phys. Rev. C 126, 032502 (2021).
31.	Measurement of CP violation in the decay $B^+ \rightarrow K^+ \pi^0$	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. 126 (2021) 091802
32.	Observation of the $B_s^0 \rightarrow D^{*\pm} D^{\mp}$ decay	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.	JHEP 03 (2021) 099
33.	Observation of CP violation in two-body $B_{(s)}^0$ -meson decays to charged pions and kaons	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.	JHEP 03 (2021) 075
34.	First observation of the decay $B_s^0 \rightarrow K^- \mu^+ \nu_\mu$ and measurement of $ V_{ub} / V_{cb} $	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. 126 (2021) 081804
35.	Observation of the $\Lambda_b^0 \rightarrow \Lambda_c^+ K^+ K^- \pi^-$ decay	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. Lett. B815 (2021) 136172

36.	Measurement of the CKM angle γ and B_s^0 - B_s^0 -bar mixing frequency with $B_s^0 \rightarrow D_s^\mp h^\pm \pi^\pm \pi^\mp$ decays	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 (2021) 137
37.	Search for the rare decay $B^0 \rightarrow J/\psi \phi$	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.	Chin. Phys. C45 (2021) 043001
38.	Study of $B_s^0 \rightarrow J/\psi \pi^+ \pi^- K^+ K^-$ decays	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 02 (2021) 024
39.	Observation of a new Ξ_b^0 state	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. D103 (2021) 012004
40.	Measurement of differential bb^- - and cc^- -dijet cross-sections in the forward region of pp collisions at $\sqrt{s}=13\text{TeV}$	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 02 (2021) 023
41.	Measurement of the CKM angle γ in $B^\pm \rightarrow DK^\pm$ and $B^\pm \rightarrow D\pi^\pm$ decays with $D \rightarrow K_S^0 h^+ h^-$	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 02 (2021) 169

42.	Observation of multiplicity-dependent prompt $\chi_{c1}(3872)$ and $\psi(2S)$ production in pp collisions	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. 126 (2021) 092001
43.	Transverse momentum dependent forward neutron single spin asymmetries in transversely polarized p+p collisions at $\sqrt{s}=200$ GeV	PHENIX Collaboration Д.Иванищев, Д.Котов, В.Рябов, Ю.Рябов, А.Ханзадеев	Phys. Rev. D 103, 032007
44.	Centrality dependence of J/ψ and $\psi(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV	ALICE Collaboration М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев	JHEP 02 (2021) 002
45.	Pion-kaon femtoscopy and the lifetime of the hadronic phase in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	ALICE Collaboration М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев	Phys.Lett.B 813 (2021) 136030
46.	Transverse-momentum and event-shape dependence of D-meson flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	ALICE Collaboration М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев	Phys.Lett.B 813 (2021) 136054
47.	First measurement of quarkonium polarization in nuclear collisions at the LHC	ALICE Collaboration М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев	Phys.Lett.B 815 (2021) 136146
48.	Nuclear suppression from coherent J/ψ photoproduction at the Large Hadron Collider	V. Guzey, E. Kryshen, M. Strikman, M. Zhalov	Phys. Lett. B 816 (2021) 136202

49	Exclusive Υ and $\rho(770)0$ photoproduction in pPb at $\sqrt{s_{NN}} = 5.02$ TeV with CMS	Соснов Д.Е.	Nucl.Phys.A 1005 (2021) 121857
50.	$K^+\Lambda$ photoproduction at forward angles and low momentum transfer	Баядилов Д., Гриднев А.Б., Новинский Д.В., Козленко Н.Г.	Eur.Phys.J.A 57 (2021) 2, 80
51.	Measurement of the helicity asymmetry E for the reaction $\gamma p \rightarrow \pi^0 p$	Баядилов Д., Гриднев А. Б. , Новинский Д. В.	Eur.Phys.J.A 57 (2021) 1, 40
52.	Study of Drell-Yan dimuon production in proton-lead collisions at $\sqrt{s_{NN}} = 8.16$ TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 05 (2021) 182
53.	First measurement of large area jet transverse momentum spectra in heavy-ion collisions	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 05 (2021) 284
54.	Measurements of the differential cross sections of the production of $Z + \text{jets}$ and $\gamma + \text{jets}$ and of Z boson emission collinear with a jet in pp collisions at $\sqrt{s} = 13$ TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 05 (2021) 285
55.	In-medium modification of dijets in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 05 (2021) 116

56.	Measurement of the Z boson differential production cross section using its invisible decay mode ($Z \rightarrow \nu\bar{\nu}$) in proton-proton collisions at $s\sqrt{=} 13$ TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 05 (2021) 205
57.	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $s\sqrt{=} 13$ TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 04 (2021) 123
58.	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JINST 16 (2021) 05, P05014
59.	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $s\sqrt{=} 13$ TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 04 (2021) 109
60	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $s\sqrt{=}13$ TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Eur.Phys.J.C 81 (2021) 4, 378

61.	Development and validation of HERWIG 7 tunes from CMS underlying-event measurements	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Eur.Phys.J.C 81 (2021) 4, 312
62.	Angular analysis of the decay $B^+ \rightarrow K^*(892)^+\mu^+\mu^-$ in proton-proton collisions at $s\sqrt{=}$ 8 TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	JHEP 04 (2021) 124
63.	Measurement of prompt D^0 and \overline{D}^0 meson azimuthal asymmetry and search for strong electric fields in PbPb collisions at $s_{NN}\sqrt{=}$ 5.02 TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Phys.Lett.B 816 (2021) 136253
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65	Measurement of the CP-violating phase ϕ_s in the $B^0_s \rightarrow J/\psi\phi(1020) \rightarrow \mu^+\mu^-K^+K^-$ channel in proton-proton collisions at $s\sqrt{=}$ 13 TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov & A. Vorobyev, et al.	Phys.Lett.B 816 (2021) 136188

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69.	Measurement of beauty and charm production in pp collisions at $\sqrt{s}=5.02$ TeV via non-prompt and prompt D mesons	ALICE Collaboration М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев	J. High Energy Phys. 2021, 220 (2021)
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71.	Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at $\sqrt{s}=13$ TeV.	ALICE Collaboration М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев	J. High Energy Phys. 2021, 290 (2021)
72.	Inclusive heavy-flavour production at central and forward rapidity in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV	ALICE Collaboration	Phys.Lett.B (2021) 136437

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73.	Jet-associated deuteron production in pp collisions at $\sqrt{s}=13$ TeV	ALICE Collaboration М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев	Phys.Lett.B (2021) 136440
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77.	Production and reconstruction of short-lived resonances in heavy-ion collisions at NICA energies using the MPD detector,	V. Riabov	Phys.Scripta 96 (2021) 6, 064002
78.	Measurement of the Charge-Averaged Elastic Lepton-Proton Scattering Cross Section by the OLYMPUS Experiment	<u>J. C. Bernauer, A. Schmidt, B. S. Henderson, L. D. Ice, D. Khanef, C. O'Connor, R. Russell, ..., S. Belostotski*</u> , ..., <u>G. Gavrilov, ..., A. Izotov*</u> , ..., <u>A. Kiselev, ..., A. Krivshich, ..., O. Miklukho, ..., Y. Naryshkin, ..., D. Veretennikov, ..., A. Winnebeck, and V. Yeganov</u> (OLYMPUS Collaboration). * - Deceased.	Phys. Rev. Lett. 126, iss. 15 =23, 162501 – Published 21 April 2021

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90.	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^\pm$ jet decays	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. LHCb	Eur. Phys. J. C 81, (2021) 248

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93.	Search for lepton-flavor violating decays of the Higgs boson in the $\mu\tau$ and $e\tau$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov A. Vorobyev, et al.	Phys. Rev. D 104, 032013
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96.	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at s $\sqrt{=}$ 13 TeV	The CMS collaboration., ... G. Gavrilo, V. Golovtcov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov A. Vorobyev, et al.	Eur.Phys.J.C 81 (2021) 8, 723
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101	Search for top squark production in fully hadronic final states in proton-proton collisions at \sqrt{s} = 13 TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smirnov, D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov A. Vorobyev, et al.	Phys.Rev.D 104 (2021) 5, 052001
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114	Measurements of mixed harmonic cumulants in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys. Lett. B 818 (2021) 136354
115	Production of pions, kaons, (anti-)protons and ϕ mesons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	The European Physical Journal C volume 81,584 , (2021)
116	First measurement of coherent ρ^0 photoproduction in ultra-peripheral Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys. Lett. B 820 (2021) 136481

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118	Inclusive heavy-flavour production at central and forward rapidity in Xe-Xe collisions at $\sqrt{s_{NN}}=5.44$ TeV	ALICE Collaboration(М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys.Lett.B 819 (2021) 136437
119	Jet-associated deuteron production in pp collisions at $\sqrt{s_{NN}}=13$ TeV	ALICE Collaboration(М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys.Lett.B 819 (2021) 136440
120	Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at $\sqrt{s} = 5.02, 7$ and 13 TeV	ALICE Collaboration(М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Eur.Phys.J.C 81 (2021) 7, 630
121	Soft-Dielectron Excess in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV	ALICE Collaboration(М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys.Rev.Lett. 127 (2021) 4, 042302
122	Coherent J/ψ and ψ' photoproduction at midrapidity in ultra-peripheral Pb–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.	ALICE Collaboration(М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Eur. Phys. J. C 81, 712 (2021)
123	Production of muons from heavy-flavour hadron decays at high transverse momentum in Pb–Pb collisions at $s_{NN}=5.02$ and 2.76 TeV	ALICE Collaboration(М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys.Lett.B 820 (2021) 136558
124	Nuclear parton distribution functions with uncertainties in a general mass variable flavor number scheme,	H. Khanpour, M. Soleymaninia, S. Atashbar Tehrani, H. Spiesberger, V. Guzey	Phys. Rev. D 104 (2021) 034010
125	Simulating the time projection chamber responses at the MPD	A. Maevskiy(Higher Sch. of Economics, Moscow),	Eur. Phys.J. C 81 (2021) 7, 599

	detector using generative adversarial networks,	F. Ratnikov(Higher Sch. of Economics, Moscow and Yandex Sch. Data Anal., Moscow), A. Zinchenko (Dubna, JINR), V. Riabov St. Petersburg, INP)	
126	Direct Q-Value Determination of the β – Decay of ^{187}Re	P.Filianin, ...Yu.Novikov,...S.Eliseev	Physical Review Letters 127, 072502 (2021)
127	μSR -study of a 3% CoFe_2O_4 nanoparticle concentration ferrofluid	S.I. Vorob'ev, M. Balasoiu, D. Buzatu, A.L. Getalov, K.I. Gritsai, V.N. Duginov, E.N. Komarov1, S.A. Kotov, C. Stan, G.V. Scherbakov	Magnetochemistry, 2021, 7, 104. https://doi.org/10.3390/magnetochemistry7070104 .
128	Observation of a cusp-like structure in the $\gamma p \rightarrow K^+\Sigma^0$ cross section at forward angles and low momentum transfer	Гриднев А.Б., Козленко Н.Г., Новинский Д.В. и др.	Physics Letters B Volume 820, 10 September 2021, 136559
129	Observation of the Mass Difference Between Neutral Charm-Meson Eigenstates	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. 127, 111801
130	Angular analysis of $B^0 \rightarrow D^- D_s^{*+}$ with $D_s^{*+} \rightarrow D_s^+ \gamma$ decays	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.	JHEP 06 (2021) 177
131	Search for the doubly heavy baryons Ω_{bc}^0 and Ξ_{bc}^0 decaying to $\Lambda_c^+ \pi^-$ and $\Xi_c^+ \pi^-$	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.	Chin. Phys. C 45 093002

132	Search for CP violation in $D_{(s)}^+ \rightarrow h^+ \pi^0$ and $D_{(s)}^+ \rightarrow h^+ \eta$ decays	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.	JHEP 06 (2021) 019
133	Observation of new resonances decaying to $J/\psi K^+$ and $J/\psi \phi$	LHCb collaboration, включая, Г. Алхазов, Н. Бондарь, А. Чубыкин, В. Чуликов, А. Дзюба, А. Инг-лесси, К. Ившин, С. Котряхова, Д. Майсузенко, О. Маев, Н. Сагидова, М. Степанова, Н. Воропаев, А. Воробьев.	Phys. Rev. Lett. 127 (2021) 082001
134	Laser-assisted nuclear decay spectroscopy of $^{176,177,179}\text{Au}$	R. D. Harding, A. N. Andreyev, A. E. Barzakh, J. G. Cubiss, P. Van Duppen, M. Al Monthery, N. A. Althubiti, B. Andel, S. Antalic, T. E. Cocolios, T. Day Goodacre, K. Dockx, G. J. Farooq-Smith, D. V. Fedorov, V. N. Fedosseev, D. A. Fink, L. P. Gaffney, L. Ghys, J. D. Johnson, D. T. Joss, M. Huysse, N. Imai, K. M. Lynch, B. A. Marsh, Y. Martinez Palenzuela, P. L. Molkanov, G. G. O'Neill, R. D. Page, R. E. Rossel, S. Rothe, M. D. Seliverstov, S. Sels, C. Van Beveren, and E. Verstraelen	Phys. Rev. C 104, 024326 (2021)
135	Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Lett. B 819 (2021) 136412

136	Exclusive dimuon production in ultraperipheral Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 103 (2021) 112003
137	Search for bottom-squark pair production in pp collision events at $\sqrt{s} = 13$ TeV with hadronically decaying τ -leptons, b-jets, and missing transverse momentum using the ATLAS detector	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. D 104 (2021) 03201
138	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JINST 16 (2021) P08025
139	Measurements of the inclusive and differential production cross sections of a top-quark–antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 737
140	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 720
141	Jet energy scale and resolution measured in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko,	Eur. Phys. J. C 81 (2021) 689

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142	The ATLAS Fast TracKer system	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JINST 16 (2021) P07006
143	Search for displaced leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fe-din, Yu. Naryshkin, V. Ma-leev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 127 (2021) 051802
144	Channeling efficiency reduction in high dose neutron irradiated silicon crystals for high energy and high intensity beam collimation and extraction	W. Scandale, ... Yu.A. Gavrikov, Yu.M. Ivanov, M.A. Koznov, M.V. Malkov, L.G. Malyarenko, I.G. Mamunct, ...	2021 Journal of Instrumentation, 16, P08015
145	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Eur. Phys. J. C 81 (2021) 860
146	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	JHEP 2110 (2021) 013
147	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s} = 13$ TeV Using the ATLAS Detector	ATLAS Collaboration, O. Fedin, Yu. Naryshkin, V. Maleev, V. Schegelsky, V. Solovyev, A. Ezhilov, Y. Ryabov, V. Grachev, M. Levchenko, D. Pudzha	Phys. Rev. Lett. 127 (2021) 141801

148	A digital feedback system for advanced ion manipulation techniques in Penning traps	Jost Herkenhoff, Menno Door, Pavel Filianin, Wenjia Huang, Kathrin Kromer, Daniel Lange, Rima X. Schüssler, Christoph Schweiger, Sergey Eliseev and Klaus Blaum	<u>Review of Scientific Instruments</u> 92, 103201 (2021)
149	Observation of $t\bar{W}$ production in the single-lepton channel in pp collisions at $s\sqrt{=}$ 13 TeV	The CMS collaboration., G. Gavrillov, V. Golovtsov, Y. Iva-nov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. Smir-nov, D.Sosnov V. Sulimov, L. Uva-rov, S. Volkov A. Vorobyev, et al.	JHEP 11 (2021) 111
150	Measurement of differential $t\bar{t}$ production cross sections in the full kinematic range using lepton+jets events from proton-proton collisions at \sqrt{s} = 13 TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Iva-nov, V.Kim, E.Kuznetsova,V.Murzin, V. Oreshkin, I. Smirnov, D.Sosnov V. Sulimov, L. Uvarov, S. Volkov, A. Vorobyev, et al.	Phys. Rev. D 104, 092013
151	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $s\sqrt{=}$ 13 TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Iva-nov, V. Kim, E. Kuznetsova, V. Mur-zin, V. Oreshkin, I. Smirnov, D. Sos-nov, V. Sulimov, L. Uvarov, S. Vol-kov & A. Vorobyev, et al.	JHEP 11 (2021) 153
152	Combined searches for the production of supersymmetric top quark partners in proton–proton collisions at $s\sqrt{=}$ 13 TeV	The CMS collaboration., ... G. Gavrillov, V. Golovtsov, Y. Iva-nov, V. Kim, E. Kuznetsova, V. Mur-zin, V. Oreshkin, I. Smirnov, D. Sos-nov, V. Sulimov, L. Uvarov, S. Vol-kov A.Vorobyev, et al.	Eur.Phys.J.C 81 (2021) 11, 970

153	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=5.02$ TeV Using Leptonic Decays	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Iva-nov, V. Kim, E. Kuznetsova, V. Mur-zin, V. Oreshkin, I. Smirnov, D. Sos-nov, V. Sulimov, L. Uvarov, S. Vol-kov, A. Vorobyev, et al.	Phys.Rev.Lett. 127 (2021) 19, 191801
154	Measurement of the electroweak production of $Z\gamma$ and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on anomalous quartic gauge couplings	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Iva-nov, V. Kim, E. Kuznetsova, V. Mur-zin, V. Oreshkin, I. Smirnov, D. Sos-nov, V. Sulimov, L. Uvarov, S. Vol-kov, A. Vorobyev, et al.	Phys.Rev.D 104 (2021) 072001
155	Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $\tau b b$ final state at 13 TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Iva-nov, V. Kim, E. Kuznetsova, V. Mur-zin, V. Oreshkin, I. Smirnov, D. Sos-nov, V. Sulimov, L. Uvarov, S. Vol-kov, A. Vorobyev, et al.	JHEP 11 (2021) 057
156	Study of Z boson plus jets events using variables sensitive to double-parton scattering in pp collisions at 13 TeV	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Iva-nov, V. Kim, E. Kuznetsova, V. Mur-zin, V. Oreshkin, I. Smirnov, D. Sos-nov, V. Sulimov, L. Uvarov, S. Vol-kov, A. Vorobyev, et al.	JHEP 10 (2021) 176
157	Measurements of the $pp \rightarrow W^{\pm}\gamma\gamma$ and $pp \rightarrow Z\gamma\gamma$ cross sections at $\sqrt{s}=13$	The CMS collaboration., ... G. Gavrilov, V. Golovtsov, Y. Ivanov, V. Kim, E. Kuznetsova, V. Murzin, V. Oreshkin, I. mirnov,	JHEP 10 (2021) 174

	TeV and limits on anomalous quartic gauge couplings	D. Sosnov, V. Sulimov, L. Uvarov, S. Volkov, A. Vorobyev, et al.	
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164	Observation of a $\Lambda_b^0 - \Lambda_b^0$ bar production asymmetry in proton-proton collisions at $\sqrt{s}=7$ and 8TeV	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.	JHEP 10 (2021) 0601

165	Branching fraction measurements of the rare $B_s^0 \rightarrow \phi \mu^+ \mu^-$ and $B_s^0 \rightarrow f_2'(1525) \mu^+ \mu^-$ decays	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. 127 (2021) 151801
166	Search for time-dependent CP violation in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays	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 104, 072010
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168	Search for CP violation in $\Xi_b^- \rightarrow p K^- K^-$ decays	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 104, 052010
169	Precise measurement of the f_s/f_d ratio of fragmentation fractions and of B_s^0 decay branching fractions	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 104, 032005

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171	First measurement of the CP-violating phase in $B_s^0 \rightarrow J/\psi(\rightarrow e^+e^-)\phi$ decays	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.	Eur. Phys. J. C81 (2021) 1026
172	Observation of excited Ω_c^0 baryons in $\Omega_b^- \rightarrow \Xi_c^+ K^- \pi^-$ decays	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. D 104 (2021) L091102
173	Anisotropic flow of identified hadrons in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	JHEP 10 (2021) 152
174	Kaon-proton strong interaction at low relative momentum via femtoscopy in Pb-Pb collisions at the LHC	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	<u>Physics Letters B Volume 822</u> , 10 November 2021, 136708
175	Measurement of the production cross section of prompt Ξ_{0c} baryons at midrapidity in pp collisions at $\sqrt{s} = 5.02$ TeV	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	JHEP 10 (2021) 159

176	Experimental Evidence for an Attractive p - ϕ Interaction	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys. Rev. Lett. 127, 172301
177	Charged-particle multiplicity fluctuations in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	<u>The European Physical Journal C</u> volume 81, Article number: 1012 (2021)
178	Λ +c Production and Baryon-to-Meson Ratios in pp and p-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV at the LHC	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Phys. Rev. Lett. 127, 202301
179	Probing Gluon Spin-Momentum Correlations in Transversely Polarized Protons through Midrapidity Isolated Direct Photons in $p\uparrow+p$ Collisions at $\sqrt{s}=200$ GeV	PHENIX Collaboration (D. Ivanishchev, D. Kotov, M. Malaev, V. Riabov, Yu. Ryabov, А.Ханзадеев)	Phys. Rev. Lett. 127, 162001
180	K_S^0 - and anti Λ -hadron correlations in pp collisions at $\{\sqrt{s}\} = 13$ TeV	ALICE Collaboration (М.Жалов, В.Иванов, Е.Крышень, М.Малаев, В.Никулин, А.Рябов, В.Рябов, Ю.Рябов, А.Ханзадеев)	Eur.Phys.J.C 81 (2021) 10, 945