

№	Авторы организации	ВСЕ авторы	Название публикации	Название источника	Год	Том	Выпуск	Первая стр. или номер статьи	Последняя стр.	DOI (начиная с 10.xxx...)	Другие межд. базы
79	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	2025	860		139067		10.1016/j.physletb.2024.139067	WoS
80	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Study of WH production through vector boson scattering and extraction of the relative sign of the W and Z couplings to the Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	2025	860		139202		10.1016/j.physletb.2024.139202	WoS
81	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for bottom quark associated production of the standard model Higgs boson in final states with leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	2025	860		139173		10.1016/j.physletb.2024.139173	WoS

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82	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of inclusive and differential cross sections of single top quark production in association with a W boson in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Journal of High Energy Physics	2025	2025		107		10.1007/JHEP01(2025)107	WoS
83	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Constraints on the Higgs boson self-coupling from the combination of single and double Higgs boson production in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	2025	861		139210		10.1016/j.physletb.2024.139210	WoS
84	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Girth and groomed radius of jets recoiling against isolated photons in lead-lead and proton-proton collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Physics Letters B	2025	861		139088		10.1016/j.physletb.2024.139088	WoS
85	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV	Journal of High Energy Physics	2025	2025		11		10.1007/JHEP01(2025)011	WoS
86	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of multidifferential cross sections for dijet production in proton-proton collisions at $\sqrt{s} = 13$ TeV	The European Physical Journal C	2025	85		72		10.1140/epjc/s10052-024-13606-8	WoS
87	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for charged-lepton flavor violation in the production and decay of top quarks using trilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review D	2025	111		012009		10.1103/PhysRevD.111.012009	WoS
88	Kim V.T., Kuznetsova E.V., Sosnov D.E.	CMS Collaboration	Photon-exchange dominance over Pomeron in forward rapidity gap events in p-Pb collisions at the LHC	Physics of Elementary Particles and Atomic Nuclei Letters	в печати	22	1	132			Springer
89	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Constraints on standard model effective field theory for a Higgs boson produced in association with W or Z bosons in the $H \rightarrow b\bar{b}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	3		114		10.1007/JHEP03(2025)114	WoS
90	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for Nuclear Modifications of B ⁺ Meson Production in p-Pb Collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Physical Review Letters	2025	134	11	111903		10.1103/PhysRevLett.134.111903	WoS
91	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Test of lepton flavor universality in semileptonic B ^{c+} meson decays in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review D	2025	111	5	L051102		10.1103/PhysRevD.111.L051102	WoS
92	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for the Higgs boson decays to a $\rho 0$, ϕ , or $K^* 0$ meson and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	2025	862		139296		10.1016/j.physletb.2025.139296	WoS

93	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Searches for Higgs Boson Production through Decays of Heavy Resonances	Physics Reports	2025	1115		368	447	10.1016/j.physrep.2024.09.004	WoS
94	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Enriching the Physics Program of the CMS Experiment via Data Scouting and Data Parking	Physics Reports	2025	1115		678	772	10.1016/j.physrep.2024.09.006	WoS
95	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Review of searches for vector-like quarks, vector-like leptons, and heavy neutral leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV at the CMS experiment	Physics Reports	2025	1115		570	677	10.1016/j.physrep.2024.09.012	WoS
96	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Dark sector searches with the CMS experiment	Physics Reports	2025	1115		448	569	10.1016/j.physrep.2024.09.013	WoS

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97	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Stairway to discovery: a report on the CMS programme of cross section measurements from millibarns to femtobarns	Physics Reports	2025	1115		3	115	10.1016/j.physrep.2024.11.005	WoS
98	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Overview of high-density QCD studies with the CMS experiment at the LHC	Physics Reports	2025	1115		219	367	10.1016/j.physrep.2024.11.007	WoS
99	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Review of top quark mass measurements in CMS	Physics Reports	2025	1115		116	218	10.1016/j.physrep.2024.12.002	WoS
100	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Proton reconstruction with the TOTEM Roman pot detectors for high- $\beta^*\{^*\}$ LHC data	Journal of Instrumentation	2025	20	04	P04012		10.1088/1748-0221/20/04/p04012	WoS
101	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Identification of low-momentum muons in the CMS detector using multivariate techniques in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Journal of Instrumentation	2025	20	04	P04021		10.1088/1748-0221/20/04/p04021	WoS
102	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Energy-scaling behavior of intrinsic transverse momentum parameters in Drell-Yan simulation	Physical Review D	2025	111	7	072003		10.1103/physrevd.111.072003	WoS
103	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for fractionally charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review Letters	2025	134	13	131802		10.1103/physrevlett.134.131802	WoS
104	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for new resonances decaying to pairs of merged diphotons in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review Letters	2025	134	4	041801		10.1103/physrevlett.134.041801	WoS
105	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for long-lived heavy neutral leptons in proton-proton collision events with a lepton-jet pair associated with a secondary vertex at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	2	36		10.1007/jhep02(2025)036	WoS
106	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for resonant pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using large-area jets in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	2	40		10.1007/jhep02(2025)040	WoS
107	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for dark matter produced in association with a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	2	50		10.1007/jhep02(2025)050	WoS
108	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for a heavy resonance decaying into a Z and a Higgs boson in events with an energetic jet and two electrons, two muons, or missing transverse momentum in proton-proton collisions at $\sqrt{s} =$	Journal of High Energy Physics	2025	2025	2	89		10.1007/jhep02(2025)089	WoS

	Uvarov L., Vorobyev A.		13 TeV								
109	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the $t\bar{t}H$ and tH production rates in the $H \rightarrow b\bar{b}$ decay channel using proton-proton collision data at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	2	97		10.1007/jhep02(2025)097	WoS
110	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurements of inclusive and differential cross sections for top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	2	177		10.1007/jhep02(2025)177	WoS
111	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Bottom quark energy loss and hadronization with B^+ and B^0 nuclear modification factors using pp and $\sqrt{s_{NN}} = 5.02$ TeV	Journal of High Energy Physics	2025	2025	2	195		10.1007/jhep02(2025)195	WoS

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112	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for high-mass resonances in a final state comprising a gluon and two hadronically decaying W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	2	199		10.1007/jhep02(2025)199	WoS
113	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of inclusive and differential cross sections for W^+W^- production in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Physics Letters B	2025	861		139231		10.1016/j.physletb.2024.139231	WoS
114	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Pseudorapidity distributions of charged hadrons in lead-lead collisions at $\sqrt{s_{NN}} = 5.36$ TeV	Physics Letters B	2025	861		139279		10.1016/j.physletb.2025.139279	WoS
115	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for light long-lived particles decaying to displaced jets in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Reports on Progress in Physics	2025	88	3	037801		10.1088/1361-6633/adaa13	WoS
116	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Constraints on standard model effective field theory for a Higgs boson produced in association with W or Z bosons in the $H \rightarrow b\bar{b}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	3	114		10.1007/jhep03(2025)114	WoS
117	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for nuclear modifications of B^+ meson production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Physical Review Letters	2025	134	11	111903		10.1103/physrevlett.134.111903	WoS
118	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for pair production of heavy particles decaying to a top quark and a gluon in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	The European Physical Journal C	2025	85	3	342		10.1140/epjc/s10052-024-13729-y	WoS
119	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurements of the Higgs boson production cross section in the four-lepton final state in proton-proton collisions at 13.6 TeV	Journal of High Energy Physics	2025	2025	5	79		10.1007/JHEP05(2025)079	WoS
120	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the inclusive WZ production cross section in pp collisions at 13.6 TeV	Journal of High Energy Physics	2025	2025	4	115		10.1007/JHEP04(2025)115	WoS
121	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Proton reconstruction with the TOTEM Roman pot detectors for high- β^* LHC data	Journal of Instrumentation	2025	20	4	P04012		10.1088/1748-0221/20/04/P04012	WoS
122	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for rare decays of the Z and Higgs bosons to a J/ψ or $\psi(2S)$ meson and a photon in proton-proton collisions at 13 TeV	Physics Letters B	2025	865		139462		10.1016/j.physletb.2025.139462	WoS
123	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Angular analysis of the $B^0 \rightarrow K^*(892)0\mu^+\mu^-$ decay in proton-proton collisions at 13 TeV	Physics Letters B	2025	864		139406		10.1016/j.physletb.2025.139406	WoS

124	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the inclusive $t\bar{t}$ cross section in final states with at least one lepton and additional jets with 302 pb ⁻¹ of pp collisions at 5.02 TeV	Journal of High Energy Physics	2025	4		099		10.1007/JHEP04 (2025)099	WoS
125	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for heavy long-lived charged particles with large ionization energy loss in proton-proton collisions at 13 TeV	Journal of High Energy Physics	2025	4		109		10.1007/JHEP04 (2025)109	WoS
126	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the inclusive cross sections for W and Z boson production in proton-proton collisions at 5.02 and 13 TeV	Journal of High Energy Physics	2025	4		162		10.1007/JHEP04 (2025)162	WoS

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127	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Differential cross section measurements for the production of top quark pairs and of additional jets using dilepton events from pp collisions at 13 TeV	Journal of High Energy Physics	2025	2		064		10.1007/JHEP02 (2025)064	WoS
128	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the Higgs boson mass and width using the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review D	2025	111	9	092014		10.1103/physrevd.111.092014	WoS
129	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for excited tau leptons in the $\tau\tau\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	6	6		10.1007/jhep06 (2025)006	WoS
130	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for bosons of an extended Higgs sector in b quark final states in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	6	144		10.1007/jhep06 (2025)144	WoS
131	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Model-agnostic search for dijet resonances with anomalous jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV	Reports on Progress in Physics	2025	88	6	067802		10.1088/1361-6633/add762	WoS
132	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the Drell-Yan forward-backward asymmetry and of the effective leptonic weak mixing angle in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	2025	866		139526		10.1016/j.physletb.2025.139526	WoS
133	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Observation of nuclear modification of energy-energy correlators inside jets in heavy ion collisions	Physics Letters B	2025	866		139556		10.1016/j.physletb.2025.139556	WoS
134	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for heavy neutral Higgs bosons A and H in the $t\bar{t}Z$ channel in proton-proton collisions at 13 TeV	Physics Letters B	2025	866		139568		10.1016/j.physletb.2025.139568	WoS
135	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for medium effects using jet axis decorrelation in inclusive jets from PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Journal of High Energy Physics	2025	06		120		10.1007/JHEP06 (2025)120	WoS
136	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Evidence for Similar Collectivity of High Transverse-Momentum Particles in p-Pb and Pb-Pb Collisions	Physical Review Letters	2025	135	7	071903		10.1103/physrevlett.2025.071903	WoS
137	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for a Neutral Gauge Boson with Nonuniversal Fermion Couplings in Vector Boson Fusion Processes in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV	Physical Review Letters	2025	135	6	061803		10.1103/physrevlett.2025.061803	WoS
138	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Determination of the strong coupling and its running from measurements of inclusive jet production	Physics Letters B	2025	868		139651		10.1016/j.physletb.2025.139651	WoS
139	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of light-by-light scattering and the Breit-Wheeler process, and search for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Journal of High Energy Physics	2025	06		006		10.1007/JHEP08(2025)006	WoS

140	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for heavy neutral resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s}=13$ TeV	Physical Review D	2025	111	11	112004	10.1103/PhysRevD.111.112004	WoS
141	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Reweighting simulated events using machine-learning techniques in the CMS experiment	The European Physical Journal C	2025	85	5	495	10.1140/epjc/s10052-025-14097-x	WoS

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142	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for flavor-changing neutral current interactions of the top quark mediated by a Higgs boson in proton-proton collisions at 13 TeV	Physical Review D	2025	112	3	032008		10.1103/95q6-vvlp	WoS
143	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Multiplicity dependence of charm baryon and charm meson production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV	Physics Letters B	2025	868		139672		10.1016/j.physletb.2025.139672	WoS
144	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Observation of $WZ\gamma\gamma$ production and constraints on new physics scenarios in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physical Review D	2025	112	1	012009		10.1103/cm24-665b	WoS
145	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for dark matter produced in association with one or two top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	8	85		10.1007/jhep08(2025)085	WoS
146	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for vector-like leptons with long-lived particle decays in the CMS muon system in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	8	156		10.1007/jhep08(2025)156	WoS
147	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Elliptic anisotropy measurement of the $\phi(980)$ hadron in proton-lead collisions and evidence for its quark-antiquark composition	Nature Communications	2025	16	1	7990		10.1038/s41467-025-56200-6	WoS
148	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Observation of a pseudoscalar excess at the top quark pair production threshold	Reports on Progress in Physics	2025	88	8	087801		10.1088/1361-6633/adf7d3	WoS
149	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Operation and performance of the CMS silicon strip tracker with proton-proton collisions at the CERN LHC	Journal of Instrumentation	2025	20	08	P08027		10.1088/1748-0221/20/08/p08027	WoS
150	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of WWZ and ZH production cross sections at $\sqrt{s} = 13$ and 13.6 TeV	Physical Review Letters	2025	135	9	091802		10.1103/6z3d-zjw4	WoS
151	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Observation of the charged-particle multiplicity dependence of $\sigma_{\{\psi\}_{\alpha\Box}/\sigma_{\Box}\{\psi\}_{\alpha\Box}}$ in pPb collisions at 8.16 TeV	Physical Review Letters	2025	135	9	092301		10.1103/c9wp-5tq3	WoS
152	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurements of inclusive and differential Higgs boson production cross sections at $\sqrt{s} = 13.6$ TeV in the $H \rightarrow \gamma\gamma$ decay channel	Journal of High Energy Physics	2025	2025	9	70		10.1007/jhep09(2025)070	WoS
153	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Small- x evolution of gluon fields from incoherent J/ψ photoproduction in ultraperipheral PbPb collisions	Physical Review Letters	2025	135	11	112301		10.1103/w9kp-f8xr	WoS
154	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for dark matter production in association with a single top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	9	141		10.1007/jhep09(2025)141	WoS
155	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Measurement of the W boson decay branching fraction ratio $\mathfrak{B}(W \rightarrow c\bar{q})/\mathfrak{B}(W \rightarrow q\bar{q})$ in proton-proton collisions at $\sqrt{s} = 13$ TeV	Physics Letters B	2025	868		139754		10.1016/j.physletb.2025.139754	WoS

156	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Observation of Λ hyperon local polarization in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV	Physical Review Letters	2025	135	13	132301		10.1103/physrevlett.135.132301	WoS
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157	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for a heavy pseudoscalar Higgs boson decaying to a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	10	74		10.1007/jhep10(2025)074	WoS
158	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for the rare decay $D^0 \rightarrow \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s} = 13.6$ TeV	Physical Review Letters	2025	135	15	151803		10.1103/physrevlett.135.151803	WoS
159	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Study of same-sign W boson scattering and anomalous couplings in events with one tau lepton from pp collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	10	219		10.1007/jhep10(2025)219	WoS
160	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for top squarks in final states with many light-flavor jets and 0, 1, or 2 charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of High Energy Physics	2025	2025	10	236		10.1007/jhep10(2025)236	WoS
161	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Search for CP violation in events with top quarks and Z bosons at $\sqrt{s} = 13$ and 13.6 TeV	Physics Letters B	2025	869		139857		10.1016/j.physletb.2025.139857	WoS
162	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	A method for correcting the substructure of multiprong jets using the Lund jet plane	Journal of High Energy Physics	2025	2025	11	38		10.1007/jhep11(2025)038	WoS
163	Gavrilov G., Golovtsov V., Ivanov Y., Kim V., Levchenko P., Murzin V., Oreshkin V., Sosnov D., Sulimov V., Uvarov L., Vorobyev A.	CMS Collaboration	Performance of heavy-flavour jet identification in Lorentz-boosted topologies in proton-proton collisions at $\sqrt{s} = 13$ TeV	Journal of Instrumentation	2025	20	11	P11006		10.1088/1748-0221/20/11/p11006	WoS

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268	Egorov A.Iu., Kim V.T.	Egorov A.Iu., Kim V.T.	Manifestation of asymptotic QCD effects in dijet production at Large Hadron Collider with 2.76 TeV	Physics of Elementary Particles and Atomic Nuclei Letters	2025	22	1	133			Springer
269	Kim V.T., Zelenov A.V.	Kim V.T., Zelenov A.V.	Diquarks for large-pT baryon production at high energy pp-collisions	Physics of Elementary Particles and Atomic Nuclei Letters	2025	22	1	131			Springer
270	Kim V.T., E.V. Kuznetsova, Sosnov D.E.	Kim V.T., E.V. Kuznetsova, Sosnov D.E.	Photon-Exchange Dominance over Pomeron in Forward Rapidity Gap Events in p-Pb Collisions at LHC	Physics of Elementary Particles and Atomic Nuclei Letters	2025	22	1	219	223	10.1134/S1547477124702133	Springer

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275	Krivshich A.G.	Krivshich A.G.	The Strategy of Equipping the PIK Reactor Experimental Stations with Neutron Detection Systems	Physics of Particles and Nuclei	2025	56	2	195	209	10.1134/S1063779624701417	WoS