

**ПОКАЗАТЕЛИ ЭФФЕКТИВНОСТИ**  
**Лаборатории физики элементарных частиц**  
 Отделения физики высоких энергий за 2017 г.

№ п/п	Название публикации (статьи, монографии, пособия и т.д.)	Авторы	Где опубликовано (название журнала, сборника, издательства и т.д.)
<i>Публикации Web of Science</i>			
1.	Study of $bb\bar{}$ correlations in high energy proton-proton collisions.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1711.
2.	Search for Baryon-Number Violating $\Xi^0 b$ Oscillations.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 119.
3.	Observation of $D^0$ meson decays to $\pi^+\pi^-\mu^+\mu^-$ and $K^+K^-\mu^+\mu^-$ final states.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 119.
4.	Study of prompt $D^0$ meson production in $pPb$ collisions at $\sqrt{s_{NN}}=5$ TeV.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1710.
5.	Updated branching fraction measurements of $B^0(s)\rightarrow K^0 S h^+ h^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1711.
6.	Observation of the doubly charmed baryon $\Xi^{++} cc$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 119.
7.	Prompt and nonprompt $J/\psi$ production and nuclear modification in $pPb$ collisions at $\sqrt{s_{NN}}=8.16$ TeV.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B774.
8.	Study of charmonium production in $b$ -hadron decays and first evidence for the decay $B^0_s \rightarrow \varphi\varphi$	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C77.

9.	Improved limit on the branching fraction of the rare decay $K^0_S \rightarrow \mu^+ \mu^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C77.
10.	Test of lepton universality with $B^0 \rightarrow K^* \ell^+ \ell^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1708.
11.	Measurement of $B^0_s$ and $D^+ - s$ meson lifetimes.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 119.
12.	Observation of charmless baryonic decays $B^0(s) \rightarrow pp^{\bar{}} h^+ h'^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev. D96.
13.	Resonances and $CP$ violation in $B^0_s$ and $B^{\bar{}}_0 s \rightarrow J/\psi K^+ K^-$ decays in the mass region above the $\varphi(1020)$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1708.
14.	First observation of a baryonic $B^0_s$ decay.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 119.
15.	Observation of the decays $\Lambda^0 b \rightarrow \chi c 1 p K^-$ and $\Lambda^0 b \rightarrow \chi c 2 p K^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 119.
16.	Measurement of $B^0$ , $B^0_s$ , $B^+$ and $\Lambda^0 b$ production asymmetries in 7 and 8 TeV proton-proton collisions.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B774.
17.	Measurement of the $B^0_s \rightarrow \mu^+ \mu^-$ branching fraction and effective lifetime and search for $B^0 \rightarrow \mu^+ \mu^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
18.	Observation of five new narrow $\Omega^0 c$ states decaying to $\Xi^+ c K^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
19.	Search for the decays $B^0_s \rightarrow \tau^+ \tau^-$ and $B^0 \rightarrow \tau^+ \tau^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.

20.	Observation of the decay $\Lambda 0b \rightarrow pK^- \mu^+ \mu^-$ and a search for $CP$ violation.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1706.
21.	Observation of the decay $B0s \rightarrow \eta c \varphi$ and evidence for $B0s \rightarrow \eta c \pi^+ \pi^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1707.
22.	Measurement of the $CP$ violation parameter $A\Gamma$ in $D0 \rightarrow K^+ K^-$ and $D0 \rightarrow \pi^+ \pi^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
23.	Observation of the suppressed decay $\Lambda 0b \rightarrow p \pi^- \mu^+ \mu^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1704.
24.	Study of the $D0p$ amplitude in $\Lambda 0b \rightarrow D0p \pi^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1705.
25.	Measurement of the $B^\pm$ production asymmetry and the $CP$ asymmetry in $B^\pm \rightarrow J/\psi K^\pm$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev. D95.
26.	Observation of the $\Xi^- b \rightarrow J/\psi \Lambda K^-$ decay.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B772.
27.	Study of $J/\psi$ Production in Jets.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
28.	Measurement of $CP$ asymmetries in $D^\pm \rightarrow \eta' \pi^\pm$ and $D^\pm s \rightarrow \eta' \pi^\pm$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B771.
29.	Observation of $B^+ c \rightarrow D0 K^+$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
30.	Search for the $B0s \rightarrow \eta' \varphi$ decay.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1705.
31.	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \chi(\mu^+ \mu^-)$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A.	Phys.Rev. D95.

		Shcheglov, A.A. Vorobyov, <i>et al.</i>	
32.	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s\sqrt{=13}$ TeV.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1706.
33.	Observation of $B+c \rightarrow J/\psi D(*)K(*)$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev. D95.
34.	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C77.
35.	Measurement of the ratio of branching fractions and difference in $CP$ asymmetries of the decays $B^+ \rightarrow J/\psi \pi^+$ and $B^+ \rightarrow J/\psi K^+$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1703.
36.	Measurement of the $b$ -quark production cross-section in 7 and 13 TeV $pp$ collisions.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
37.	Search for $CP$ violation in the phase space of $D^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B769.
38.	Observation of the decay $\Xi^- b \rightarrow p K^- K^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
39.	Search for massive long-lived particles decaying semileptonically in the LHCb detector.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C77.
40.	Evidence for the two-body charmless baryonic decay $B^+ \rightarrow p \Lambda^{\bar{0}}$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1704.
41.	Search for decays of neutral beauty mesons into four muons.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1703.
42.	Measurements of charm mixing and $CP$ violation using $D^0 \rightarrow K^\pm \pi^\mp$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev. D95.

43.	Measurement of $CP$ asymmetry in $D0 \rightarrow K^- K^+$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B767.
44.	Observation of the annihilation decay mode $B0 \rightarrow K^+ K^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
45.	Measurement of forward $t\bar{t}$ , $W+bb^-$ and $W+cc^-$ production in $pp$ collisions at $s\sqrt{=8}$ TeV.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B767.
46.	New algorithms for identifying the flavour of $B0$ mesons using pions and protons.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C77.
47.	Observation of the decay $B0s \rightarrow \varphi\pi^+\pi^-$ and evidence for $B0 \rightarrow \varphi\pi^+\pi^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev. D95.
48.	Search for the $CP$ -violating strong decays $\eta \rightarrow \pi^+\pi^-$ and $\eta'(958) \rightarrow \pi^+\pi^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B764.
49.	Measurements of prompt charm production cross-sections in $pp$ collisions at $s\sqrt{=5}$ TeV.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	JHEP 1706.
50.	Observation of $B^+ \rightarrow J/\psi 3\pi^+ 2\pi^-$ and $B^+ \rightarrow \psi(2S)\pi^+\pi^+\pi^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C77.
51.	Measurement of matter-antimatter differences in beauty baryon decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Nature Phys. 13
52.	First experimental study of photon polarization in radiative $B0s$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
53.	Search for the suppressed decays $B^+ \rightarrow K^+ K^+ \pi^-$ and $B^+ \rightarrow \pi^+ \pi^+ K^-$ .	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Lett. B765.
54.	Observation of $\eta c(2S) \rightarrow pp^-$ and search for $X(3872) \rightarrow pp^-$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A.	Phys.Lett. B769.

		Shcheglov, A.A. Vorobyov, <i>et al.</i>	
55.	Amplitude analysis of $B^+ \rightarrow J/\psi \phi K^+$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev. D95.
56.	Observation of $J/\psi \phi$ structures consistent with exotic states from amplitude analysis of $B^+ \rightarrow J/\psi \phi K^+$ decays.	R. Aaij,... G.D. Alkhazov, N.F.Bondar, A.A. Dzyuba, O.E. Maev, N.R. Sagidova, Yu.A. Shcheglov, A.A. Vorobyov, <i>et al.</i>	Phys.Rev.Lett. 118.
57.	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets 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. B774.
58.	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $s\sqrt{=}$ 8 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 1711.
59.	Search for direct production of supersymmetric partners of the top quark in the all-jets final state 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 1710.
60.	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states 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. C77.
61.	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state.	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. B775.
62.	Search for Higgs boson pair production in the $b\bar{b}\tau\tau$ final state in proton-proton collisions at $(\sqrt{s})=$ 8 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. D96.
63.	Measurements of properties of the Higgs boson decaying into the four-lepton 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>	JHEP 1711.
64.	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks 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,	Phys.Lett. B775.

		An.A. Vorobyov, <i>et al.</i>	
65.	Measurement of the semileptonic $t\bar{t} + \gamma$ production cross section in pp collisions at $s\sqrt{=8}$ 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 1710.
66.	Measurements of jet charge with dijet events in pp collisions at $s\sqrt{=8}$ 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 1710.
67.	Search for top squark pair production in pp collisions at $s\sqrt{=13}$ TeV using single lepton events.	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 1710.
68.	Searches for $W'$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 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 1708.
69.	Search for new physics in the monophoton final state 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 1710.
70.	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure 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 1711.
71.	Search for top quark partners with charge 5/3 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 1708.
72.	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs 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. 119.
73.	Measurement of the $B^\pm$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $s\sqrt{NN}=\sqrt{=5.02}$ 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. 119.
74.	Search for Supersymmetry in $pp$ Collisions at $s\sqrt{=13}$ TeV in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets.	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. 119.

75.	Search for new phenomena with the $MT2$ variable in the all-hadronic final state produced 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. C77.
76.	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of $W$ and $Z$ Bosons Using $pp$ 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.Rev.Lett. 119.
77.	Measurement of the triple-differential dijet cross section in proton-proton collisions at $s\sqrt{=8}$ TeV and constraints on parton distribution functions.	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. C77.
78.	Search for black holes in high-multiplicity final states 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. B774.
79.	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 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. D96.
80.	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets 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. C77.
81.	Particle dynamics and spatial $e-e+$ density structures at QED cascading in circularly polarized standing waves.	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. A95.
82.	Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $Mb\ell$ , $MT2$ , and $Mb\ell\nu$ in pp collisions at $s\sqrt{=8}$ 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. D96.
83.	Search for $t\bar{t}$ resonances in highly boosted lepton+jets and fully hadronic final states 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 1707.
84.	Measurements of the $pp \rightarrow W\gamma\gamma$ and $pp \rightarrow Z\gamma\gamma$ cross sections and limits on anomalous quartic gauge couplings at $s\sqrt{=8}$ 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 1710.



85.	Search for new physics with dijet angular distributions 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 1707.
86.	Search for a heavy resonance decaying to a top quark and a vector-like top quark 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 1709.
87.	Measurement of the jet mass in highly boosted $t\bar{t}$ events from pp collisions at $s\sqrt{=8}$ 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. C77.
88.	Search for anomalous couplings in boosted $WW/WZ\rightarrow\ell\nu qq\bar{}$ production in proton-proton collisions at $s\sqrt{=8}$ 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. B772.
89.	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\gamma\gamma$ at $\sqrt{s} = 13$ 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 1710.
90.	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets 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 1707.
91.	The active muon shield in the SHiP experiment.	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>	JINST 12.
92.	Measurement of the top quark mass using single top quark events in proton-proton collisions at $s\sqrt{=8}$ 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. C77.
93.	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson 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 1707.
94.	Measurement of double-differential cross sections for top quark pair production in pp collisions at $s\sqrt{=8}$ TeV and impact on parton distribution functions.	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. C77.

95.	Search for standard model production of four top quarks 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. B772.
96.	Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $s\sqrt{=8}$ 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. B770.
97.	Measurement of prompt and nonprompt $J/\psi$ production in pp and pPb collisions at $s\sqrt{NN}=\sqrt{=5.02}$ 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. C77.
98.	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s\sqrt{=8}$ 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 1707.
99.	Study of Jet Quenching with Z+jet Correlations in Pb-Pb and pp Collisions at $s\sqrt{NN}=5.02$ 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. 119.
100.	Measurement of the inclusive energy spectrum in the very forward direction 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 1708.
101.	Search for single production of vector-like quarks decaying into a b quark and a W boson 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. B772.
102.	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark 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 1705.
103.	Search for new phenomena with multiple charged 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. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	Eur.Phys.J. C77.
104.	Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet 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>	JHEP 1709.

105.	Search for dark matter and unparticles in events with a Z boson and 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>	JHEP 1703.
106.	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s\sqrt{=8}$ 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 1710.
107.	Mechanical stability of the CMS strip tracker measured with a laser alignment system.	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>	JINST 12.
108.	Search for supersymmetry in the all-hadronic final state using top quark tagging 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.Rev. D96.
109.	Search for leptophobic Z' bosons decaying into four-lepton final states in proton-proton collisions at $s\sqrt{=8}$ 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. B773.
110.	Search for high-mass Z $\gamma$ resonances in proton-proton collisions at $s\sqrt{= 8}$ and 13 TeV using jet substructure techniques.	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. B772.
111.	Search for heavy gauge W' boson in events with an energetic lepton and large missing transverse momentum 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. B770.
112.	Measurement of electroweak-induced production of W $\gamma$ with two jets in pp collisions at $s\sqrt{=8}$ TeV and constraints on anomalous quartic gauge couplings.	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 1706.
113.	Search for massive resonances decaying into WW, WZ or ZZ bosons 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 1703.
114.	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $s\sqrt{NN} = 5.02$ 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. B772.
115.	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin,	JHEP 1704.

	using boosted topologies in fully hadronic final states.	I.B. Smirnov, V.V. Sulimov, L.N. Uvarov, S.A. Vavilov, An.A. Vorobyov, <i>et al.</i>	
116.	Searches for pair production of third-generation squarks in $s\sqrt{=13}$ TeV pp collisions.	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. C77.
117.	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tau$ leptons and two jets 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 1703.
118.	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state.	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. B771.
119.	Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $s\sqrt{=8}$ 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 1703.
120.	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 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. B769.
121.	Search for heavy resonances decaying to tau lepton pairs 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 1702.
122.	Measurements of the associated production of a Z boson and b jets in pp collisions at $s\sqrt{=8}$ 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. C77.
123.	Measurement of the $t\bar{t}$ production cross section using events in the $e\mu$ 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>	Eur.Phys.J. C77.
124.	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s\sqrt{=8}$ 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 1704.
125.	Search for dijet resonances in proton-proton collisions at $s\sqrt{=13}$ TeV and constraints on dark	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,	Phys.Lett. B769.

	matter and other models.	An.A. Vorobyov, <i>et al.</i>	
126.	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}}=5.02$ 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 1704.
127.	Suppression of $Y(1S)$ , $Y(2S)$ and $Y(3S)$ production in PbPb collisions at $\sqrt{s_{NN}}=2.76$ 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. B770.
128.	Relative Modification of Prompt $\psi(2S)$ and $J/\psi$ Yields from pp to PbPb Collisions at $\sqrt{s_{NN}}=5.02$ 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. 118.
129.	A search for new phenomena in pp collisions at $\sqrt{s}=13$ TeV in final states with missing transverse momentum and at least one jet using the $\alpha_T$ variable.	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. C77.
130.	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=8$ 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. B770.
91.	Investigation of the influence of nuclear matter on hard neutrino nucleus interaction using the HARDPING Monte Carlo Event Generator.	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>	EPJ Web Conf. 125.
92.	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s}=7, 8, \text{ and } 13$ 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 1702.
93.	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks.	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. B768.
94.	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s}=8$ 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 1705.
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97.	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $s\sqrt{=}$ 8 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 1702.
98.	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $s\sqrt{=}$ 8 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. D95.
99.	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 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. D95
100.	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $s\sqrt{=}$ 7 and 8 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 1702.
101.	Search for high-mass $Z\gamma$ resonances in $e^+e^-\gamma$ and $\mu^+\mu^-\gamma$ final states in proton-proton collisions at $s\sqrt{=}$ 8 and 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 1701.
102.	Cross section measurement of t-channel single top quark production 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. B772.
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104.	Observation of charge-dependent azimuthal correlations in p-Pb collisions and its implication for the search for the chiral magnetic effect.	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. 118.
105.	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s}$ = 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. D95.
106.	Inclusive search for supersymmetry using razor	S. Chatrchyan,... A.A. Vorobyov, V.L. Golovtsov, V.T. Kim, P.M. Levtchenko, V.A.Mursin, V.A. Oreshkin,	<b>Phys.Rev. D95.</b>

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107.	Measurement of the WZ production cross section in pp collisions at $s\sqrt{=}$ 7 and 8 TeV and search for anomalous triple gauge couplings at $s\sqrt{=}$ 8TeV.	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. C77.
107.	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $s\sqrt{=} =$ 13 TeV and combination with 8 TeV data.	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. B768.
108.	Measurement of inclusive jet cross sections in pp and PbPb collisions at $s\sqrt{NN}-----\sqrt{=} =$ 2.76 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. C96.
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111.	Measurement of the total and differential inclusive B+ hadron cross sections 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. B771.
112.	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $s\sqrt{=} =$ 8TeV.	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. C77.
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122.	Coherent $J/\psi$ photoproduction in ultra-peripheral PbPb collisions at $sNN\sqrt{=} 2.76$ TeV with the CMS experiment.	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. B772.
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127.	Measurement of the direct CP violating charge asymmetry in $B^\pm \rightarrow \mu^\pm \nu_\mu D^0$ decays.	V.M. Abazov,... G.D. Alkhazov, A.A. Lobodenko, P.V. Neustroev, Yu.A. Scheglov, L.N. Uvarov, S.L. Uvarov et al.	Phys.Rev. D95.
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129.	Учет корреляций центра масс в сечениях упругого рассеяния протонов промежуточной энергии на экзотических ядрах ${}^6\text{He}$ и ${}^8\text{He}$ .	Г.Д. Алхазов, В.В. Саранцев	Яд. Физ. <b>80</b> (2017) 613.