

№	Авторы организации	ВСЕ авторы	Название публикации	Название источника	Источник:	DOI (Digital Object Identifier):
1	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^{**} \rightarrow 4 \ell\ell$ cross-sections in $\sqrt{s}=13.6$ TeV collisions at the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 78	10.1140/epjc/s10052-023-12130-5
2	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for nonresonant pair production of Higgs bosons in the $\bar{b}\gamma\gamma$ final state in $\sqrt{s}=13$ TeV collisions at the ATLAS detector	Journal of High Energy Physics	JHEP 01 (2024) 066	10.1007/JHEP01(2024)066
3	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Observation of $WZ\gamma$ production in $\sqrt{s}=13$ TeV collisions at the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 021802	10.1103/PhysRevLett.132.021802
4	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Evidence for the Higgs boson decay to a $Z\gamma$ boson and a photon at the LHC	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 021803	10.1103/PhysRevLett.132.021803
5	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Differential cross-section measurements of the production of four charged leptons in association with two jets using the ATLAS detector	Journal of High Energy Physics	JHEP 01 (2024) 004	10.1007/JHEP01(2024)004
1	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for top-philic heavy resonances in $\sqrt{s}=13$ TeV collisions at the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 157	10.1140/epjc/s10052-023-12318-9
2	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for non-resonant Higgs boson pair production in the $2b+2l+E_{T}^{\text{miss}}$ final state in $\sqrt{s}=13$ TeV collisions at the ATLAS detector	Journal of High Energy Physics	JHEP 02 (2024) 037	10.1007/JHEP02(2024)037
3	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Electron and photon energy calibration with the ATLAS detector using LHC Run 2 data	Journal of Instrumentation	JINST 19 (2024) P02009	10.1088/1748-0221/19/02/P02009
4	Fedin O., Naryshkin Yu., Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Performance and calibration of quark/gluon-jet taggers using 140 fb ⁻¹ of $\sqrt{s}=13$ TeV collisions at the ATLAS detector	Chinese Physics C	Chinese Phys. C 48 (2024) 023001	10.1088/1674-1137/acf701

5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Probing the $SC\bar{P}S$ nature of the top-Higgs Yukawa coupling in $t\bar{t} \rightarrow b\bar{b}H$ and tH events with $SH \rightarrow b\bar{b}$ decays using the ATLAS detector at the LHC	Physics Letters B	Phys. Lett. B 849 (2024) 138469	10.1016/j.physletb.2024.138469
1	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the centrality dependence of the dijet yield in $SpS+Pb$ collisions at $\sqrt{s_{NN}} = 8.16$ TeV with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 102301	10.1103/PhysRevLett.132.102301
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Deep generative models for fast photon shower simulation in ATLAS	Computing and Software for Big Science	Comput Softw Big Sci 8, 7 (2024)	10.1007/s41781-023-00106-9
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for quantum black hole production in lepton+jet final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 109 (2024) 032010	10.1103/PhysRevD.109.032010
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Study of $Z \rightarrow e\ell\ell\gamma$ decays at $\sqrt{s} = 8$ TeV in the ATLAS experiment at the LHC	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 195	10.1140/epjc/s10052-024-12471-9
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for the decay of the Higgs boson to a ZS boson and a light pseudoscalar particle decaying to two photons	Physics Letters B	Phys. Lett. B 848 (2024) 138536	10.1016/j.physletb.2024.138536
6	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new phenomena in two-body invariant mass distributions using unsupervised machine learning for anomaly detection at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 081801	10.1103/PhysRevLett.132.081801
7	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the production cross-section of J/ψ and $\psi(2S)$ mesons in ppp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 169	10.1140/epjc/s10052-024-12439-9
8	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for Resonant Production of Dark Quarks in the Di-jet Final State with the ATLAS Detector	Journal of High Energy Physics	JHEP 02 (2024) 128	10.1007/JHEP02(2024)128

9	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair production of squarks or gluinos decaying via sleptons or weak bosons in final states with two same-sign or three leptons with the ATLAS detector	Journal of High Energy Physics	JHEP 02 (2024) 107	10.1007/JHEP02(2024)107
10	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for top-philic heavy resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 157	10.1140/epjc/s10052-023-12318-9
1	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement and interpretation of same-sign W boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 04 (2024) 026	10.1007/JHEP04(2024)026
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Software Performance of the ATLAS Track Reconstruction for LHC Run 3		Comput Softw Big Sci 8, 9 (2024)	10.1007/s41781-023-00111-y
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new phenomena with top-quark pairs and large missing transverse momentum using 140 fb^{-1} of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 03 (2024) 139	10.1007/JHEP03(2024)139
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Study of high-momentum Higgs boson production in association with a vector boson in the qq bb final state with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 131802	10.1103/PhysRevLett.132.131802
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the transverse momentum and rapidity distributions of the boson at 8 TeV with the ATLAS detector	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 315	10.1140/epjc/s10052-024-12438-w
1	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the total and differential cross-sections of $t\bar{t}$ W production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 131	10.1007/JHEP05(2024)131
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Improving topological cluster reconstruction using calorimeter cell timing in ATLAS	The European Physical Journal C	Eur. Phys. J. C 84 (2024) 455	10.1140/epjc/s10052-024-12657-1

3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A search for R-parity-violating supersymmetry in final states containing many jets in $\sqrt{s} = 13$ TeV collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 003	10.1007/JHEP05(2024)003
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for heavy spin-1 resonances using 139 fb ⁻¹ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 04 (2024) 118	10.1007/JHEP04(2024)118
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for singly produced vector-like top partners in multilepton final states with 139 fb ⁻¹ of $\sqrt{s} = 13$ TeV collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 109 (2024) 112012	10.1103/PhysRevD.109.112012
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum	Journal of Instrumentation	JINST 19 (2024) P06014	10.1088/1748-0221/19/06/P06014
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair production of higgsinos in events with two Higgs bosons and missing transverse momentum in $\sqrt{s} = 13$ TeV collisions at the ATLAS experiment	Physical Review D	Phys. Rev. D 109 (2024) 112011	10.1103/PhysRevD.109.112011
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Searches for exclusive Higgs boson decays into $D^* \gamma$ and Z boson decays into $D^0 \gamma$ and $K^0_s \gamma$ in $\sqrt{s} = 13$ TeV collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 855 (2024) 138762	10.1016/j.physletb.2024.138762
6	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for high-mass resonances in final states with a τ -lepton and missing transverse momentum with the ATLAS detector	Physical Review D	Phys. Rev. D 109 (2024) 112008	10.1103/PhysRevD.109.112008
7	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of Searches for Resonant Higgs Boson Pair Production Using $\sqrt{s} = 13$ TeV collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 231801	10.1103/PhysRevLett.132.231801
8	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of ZZZ production cross-sections in the four-lepton final state in $\sqrt{s} = 13.6$ TeV collisions at $\sqrt{s} = 13.6$ TeV with the ATLAS experiment	Physics Letters B	Phys. Lett. B 855 (2024) 138764	10.1016/j.physletb.2024.138764

9	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of $t\bar{t}$ -channel production of single top quarks and antiquarks in pp collisions at 13 TeV using the full ATLAS Run 2 data sample	Journal of High Energy Physics	JHEP 05 (2024) 305	10.1007/JHEP05(2024)305
10	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for nearly mass-degenerate higgsinos using low-momentum mildly-displaced tracks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 221801	10.1103/PhysRevLett.132.221801
11	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for pair-produced leptoquarks at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138736	10.1016/j.physletb.2024.138736
12	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new particles in final states with a boosted top quark and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 263	10.1007/JHEP05(2024)263
13	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair-production of vector-like quarks in lepton+jets final states containing at least one b -tagged jet using the Run 2 data from the ATLAS experiment	Physics Letters B	Phys. Lett. B 854 (2024) 138743	10.1016/j.physletb.2024.138743
14	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of $t\bar{t}$ -channel single-top-quark production in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138726	10.1016/j.physletb.2024.138726
15	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	The ATLAS Experiment at the CERN Large Hadron Collider: A Description of the Detector Configuration for Run 3	Journal of Instrumentation	JINST 19 (2024) P05063	10.1088/1748-0221/19/05/P05063
16	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Performance of the ATLAS forward proton Time-of-Flight detector in Run 2	Journal of Instrumentation	JINST 19 (2024) P05054	10.1088/1748-0221/19/05/P05054
17	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	ATLAS Run 2 searches for electroweak production of supersymmetric particles interpreted within the pMSSM	Journal of High Energy Physics	JHEP 05 (2024) 106	10.1007/JHEP05(2024)106

18	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of the Z boson invisible width at $\sqrt{s}=13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138705	10.1016/j.physletb.2024.138705
19	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of vector boson production cross sections and their ratios using pp collisions at $\sqrt{s}=13.6$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 854 (2024) 138725	10.1016/j.physletb.2024.138725
20	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Azimuthal angle correlations of muons produced via heavy-flavor decays in 5.02 TeV Pb+Pb and pp collisions with the ATLAS detector	Physics Review Letters	Phys. Rev. Lett. 132 (2024) 202301	10.1103/PhysRevLett.132.202301
21	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Electron and photon efficiencies in LHC Run 2 with the ATLAS experiment	Journal of High Energy Physics	JHEP 05 (2024) 162	10.1007/JHEP05(2024)162
22	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for electroweak production of supersymmetric particles in final states with two τ -leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	Journal of High Energy Physics	JHEP 05 (2024) 150	10.1007/JHEP05(2024)150
1	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Evidence for the $VH, H \rightarrow \tau\tau$ process with the ATLAS detector in Run 2	Physics Letters B	Phys. Lett. B 855 (2024) 138817	10.1016/j.physletb.2024.138817
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of electroweak $W^{\pm}Z$ boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 06 (2024) 192	10.1007/JHEP06(2024)192
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of measurements of the top quark mass from data collected by the ATLAS and CMS experiments at $\sqrt{s}=7$ and 8 TeV	Physical Review Letters	Phys. Rev. Lett. 132 (2024) 261902	10.1103/PhysRevLett.132.261902
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	The ATLAS Trigger System for LHC Run 3 and Trigger performance in 2022	Journal of Instrumentation	JINST 19 (2024) P06029	10.1088/1748-0221/19/06/P06029

5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of jet substructure in boosted $t\bar{t}$ events with the ATLAS detector using 140 fb ⁻¹ of 13 TeV pp collisions	Physical Review D	Phys. Rev. D 109 (2024) 112016	10.1103/PhysRevD.109.112016
1	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for Higgs boson decays into a photon and a massless dark photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 08 (2024) 153	10.1007/JHEP08(2024)153
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Calibration of a soft secondary vertex tagger using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 032015	10.1103/PhysRevD.110.032015
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for leptoquark pair production decaying into $te^-\bar{\nu}_\mu$ or $t\bar{\nu}_\mu^-$ in multi-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 818	10.1140/epjc/s10052-024-12975-4
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for the non-resonant production of Higgs boson pairs via gluon fusion and vector-boson fusion in the $b\bar{b}\tau^+\tau^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 032012	10.1103/PhysRevD.110.032012
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair-produced higgsinos decaying via Higgs or Z bosons to final states containing a pair of photons and a pair of b-jets with the ATLAS detector	Physical Review Letters B	Phys. Lett. B 856 (2024) 138938	10.1016/j.physletb.2024.138938
6	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy neutral Higgs bosons decaying into a top quark pair in 140 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 08 (2024) 013	10.1007/JHEP08(2024)013
7	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for low-mass resonances decaying into two jets and produced in association with a photon or a jet at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 032002	10.1103/PhysRevD.110.032002

8	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for flavour-changing neutral-current couplings between the top quark and the Higgs boson in multi-lepton final states in 13 TeV pp collisions with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 757	10.1140/epjc/s10052-024-12994-1
9	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for short- and long-lived axion-like particles in $SH \rightarrow a a \rightarrow 4\gamma$ decays with the ATLAS experiment at the LHC	European Physical Journal C	Eur. Phys. J. C 84 (2024) 742	10.1140/epjc/s10052-024-12979-0
10	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Observation of electroweak production of W^+W^- in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector	Journal of High Energy Physics	JHEP 07 (2024) 254	10.1007/JHEP07(2024)254
11	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A search for top-squark pair production, in final states containing a top quark, a charm quark and missing transverse momentum, using the 139 fb $^{-1}$ of pp collision data collected by the ATLAS detector	Journal of High Energy Physics	JHEP 07 (2024) 250	10.1007/JHEP07(2024)250
12	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for charged-lepton-flavour violating $\mu\tau$ interactions in top-quark production and decay in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector at the LHC	Journal of High Energy Physics	Phys. Rev. D 110 (2024) 012014	10.1103/PhysRevD.110.012014
13	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm}$ and $e^{\pm}\mu^{\pm}$ final states via WW scattering in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review Letters B	Phys. Lett. B 856 (2024) 138865	10.1016/j.physletb.2024.138865
14	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Inclusive and differential cross-section measurements of $t\bar{t}Z$ production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector, including EFT and spin-correlation interpretations	Journal of High Energy Physics	JHEP 07 (2024) 163	10.1007/JHEP07(2024)163
15	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for light long-lived neutral particles from Higgs boson decays via vector-boson-fusion production from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 719	10.1140/epjc/s10052-024-12902-7

16	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A statistical combination of ATLAS Run 2 searches for charginos and neutralinos at the LHC	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 031802	10.1103/PhysRevLett.133.031802
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair production of boosted Higgs bosons via vector-boson fusion in the $b\bar{b}$ final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Letters B	Phys. Lett. B 858 (2024) 139007	10.1016/j.physletb.2024.139007
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Observation of quantum entanglement in top-quark pairs using the ATLAS detector	Nature	Nature 633 (2024) 542	10.1038/s41586-024-07824-z
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Studies of the energy dependence of diboson polarization fractions and the Radiation Amplitude Zero effect in WZ production with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 101802	10.1103/PhysRevLett.133.101802
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for Higgs boson pair production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 101801	10.1103/PhysRevLett.133.101801
6	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Simultaneous energy and mass calibration of large-radius jets with the ATLAS detector using a deep neural network	Machine Learning: Science and Technology	Mach. Learn. Sci. Technol. 5 035051 (2024)	10.1088/2632-2153/ad611e
7	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for dark mesons decaying to top and bottom quarks in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 09 (2024) 005	10.1007/JHEP09(2024)005
8	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Differential cross-sections for events with missing transverse momentum and jets measured with the ATLAS detector in 13 TeV proton-proton collisions	Journal of High Energy Physics	JHEP 08 (2024) 223	10.1007/JHEP08(2024)223
9	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Accuracy versus precision in boosted top tagging with the ATLAS detector	Journal of Instrumentation	JINST 19 (2024) P08018	10.1088/1748-0221/19/08/P08018

10	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of differential cross-sections in $t\bar{t}$ and $t\bar{t}+j$ jets production in the lepton+jets final state in pp collisions at $\sqrt{s}=13$ TeV using 140 fb ⁻¹ of ATLAS data	Journal of High Energy Physics	JHEP 08 (2024) 182	10.1007/JHEP08(2024)182
11	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for non-resonant Higgs boson pair production in final states with leptons, taus, and photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 08 (2024) 164	10.1007/JHEP08(2024)164
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurement of single top-quark production in association with a W boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 072010	10.1103/PhysRevD.110.072010
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for light long-lived particles in pp collisions at $\sqrt{s}=13$ TeV using displaced vertices in the ATLAS inner detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 161803	10.1103/PhysRevLett.133.161803
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for the exclusive W boson hadronic decays $W^{\pm} \rightarrow \pi^{\pm} \gamma$, $W^{\pm} \rightarrow K^{\pm} \gamma$ and $W^{\pm} \rightarrow \rho^{\pm} \gamma$ with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 161804	10.1103/PhysRevLett.133.161804
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Fiducial and differential cross-section measurements of electroweak $W\gamma jj$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 1064	10.1140/epjc/s10052-024-13311-6
6	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for a new Z' gauge boson via the $pp \rightarrow W^{(*)} \rightarrow \mu^{\pm} \nu \rightarrow \mu^{\pm} \nu \mu^{\pm} \nu$ process in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 072008	10.1103/PhysRevD.110.072008
7	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination and summary of ATLAS dark matter searches interpreted in a 2HDM with a pseudo-scalar mediator using 139 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data	Science Bulletin	Science Bulletin 69 (2024) 3005	10.1016/j.scib.2024.06.003

8	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for a resonance decaying into a scalar particle and a Higgs boson in final states with leptons and two photons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 10 (2024) 104	10.1007/JHEP10(2024)104
9	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Sensor response and radiation damage effects for 3D-pixels in the ATLAS IBL Detector	Journal of Instrumentation	JINST 19 (2024) P10008	10.1088/1748-0221/19/10/P10008
10	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Determination of the relative sign of the Higgs boson couplings to W and Z bosons using W H production via vector-boson fusion with the ATLAS detector	Physical Review Letters	Phys. Rev. Lett. 133 (2024) 141801	10.1103/PhysRevLett.133.141801
11	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Precise test of lepton flavour universality in W -boson decays into muons and electrons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 993	10.1140/epjc/s10052-024-13070-4
12	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for decays of the Higgs boson into a pair of pseudoscalar particles decaying into $b\bar{b}$ or $\tau^+\tau^-$ using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 052013	10.1103/PhysRevD.110.052013
13	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of the production cross-section for a Z boson in association with b - or c -jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	European Physical Journal C	Eur. Phys. J. C 84 (2024) 984	10.1140/epjc/s10052-024-13159-w
14	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for pair-produced vector-like quarks coupling to light quarks in the lepton plus jets final state using 13 TeV pp collisions with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 052009	10.1103/PhysRevD.110.052009
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Characterising the Higgs boson with ATLAS data from Run 2 of the LHC	Physics Reports	Phys. Rep 11 (2024) 001	10.1016/j.physrep.2024.11.001

3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Interpretations of the ATLAS measurements of Higgs boson production and decay rates and differential cross-sections in pp collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	JHEP 11 (2024) 097	10.1007/JHEP11(2024)097
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for a resonance decaying into a scalar particle and a Higgs boson in the final state with two bottom quarks and two photons in proton–proton collisions at a center of mass energy of 13 TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 11 (2024) 047	10.1007/JHEP11(2024)047
5	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	A search for R -parity violating supersymmetric decays of the top squark to a b -jet and a lepton in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 092004	10.1103/PhysRevD.110.092004
6	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for neutral long-lived particles that decay into displaced jets in the ATLAS calorimeter in association with leptons or jets using pp collisions at $\sqrt{s}=13$ TeV	Journal of High Energy Physics	JHEP 11 (2024) 036	10.1007/JHEP11(2024)036
7	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Precise measurements of W - and Z -boson transverse momentum spectra with the ATLAS detector using pp collisions at $\sqrt{s} = 5.02$ TeV and 13 TeV	European Physical Journal C	Eur. Phys. J. C 84 (2024) 1126	10.1140/epjc/s10052-024-13414-0
8	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of inclusive and differential cross-sections of $t\bar{t}\gamma$ production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 10 (2024) 191	10.1007/JHEP10(2024)191
9	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of Lund subjet multiplicities in 13 TeV proton-proton collisions with the ATLAS detector	Physics Letters B	Phys. Lett. B 859 (2024) 139090	10.1016/j.physletb.2024.139090
10	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Measurements of jet cross-section ratios in 13 TeV proton–proton collisions with ATLAS	Physical Review D	Phys. Rev. D 110, 072019 (2024)	10.1103/PhysRevD.110.072019

11	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Constraints on dark matter models involving an s -channel mediator with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV	European Physical Journal C	Eur. Phys. J. C. 84 (2024) 1102	10.1140/epjc/s10052-024-13215-5
12	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy resonances in final states with four leptons and missing transverse momentum or jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Journal of High Energy Physics	JHEP 10 (2024) 130	10.1007/JHEP10(2024)130
1	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for heavy right-handed Majorana neutrinos in the decay of top quarks produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physical Review D	Phys. Rev. D 110 (2024) 112004	10.1103/PhysRevD.110.112004
2	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Combination of searches for singly and doubly charged Higgs bosons produced via vector-boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector	Physics Letters B	Phys. Lett. B 860 (2024) 139137	10.1016/j.physletb.2024.139137
3	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Search for new particles in events with a hadronically decaying W or Z boson and large missing transverse momentum at $\sqrt{s} = 13$ TeV using the ATLAS detector	Journal of High Energy Physics	JHEP 11 (2024) 126	10.1007/JHEP11(2024)126
4	Fedin O., Naryshkin Yu. , Maleev V., Schegelsky V, Ezhilov A., Levchenko M., Pudzha D., Barsov S., Pokidova M	ATLAS Collaboration	Jet radius dependence of dijet momentum balance and suppression in Pb+Pb collisions at 5.02 TeV with the ATLAS detector	Physical Review C	Phys. Rev. C 110 (2024) 054912	10.1103/PhysRevC.110.054912
6	S.I. Manaenkov	S.I. Manaenkov	Coherent electroproduction of vector mesons on spinless targets	Physics of Particles and Nuclei Letters		10.1134/S1547477124010096
8	S. I. Manaenkov	S. I. Manaenkov	Phenomenology of vector-meson electroproduction on spinless target	Physics of Atomic Nuclei		10.1134/S1063778824700315