Fișa de calcul și de susținere a îndeplinirii standardelor minimale CNATDCU

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A1 - Activitate didactică și profesională		
A1.1.1 Cărți/monografii/capitole ca autor - internaționale	**Factor de impact sau echivalent**	**Punctaj**
		0.00
A1.1.2 Cărți/monografii/capitole ca autor - naționale	**Factor de impact sau echivalent**	**Punctaj**
		0.00
A1.2.1 Material didactic / lucrari didactice - Manuale didactice	**Factor de impact sau echivalent**	**Punctaj**
		0.00
Total A1		**0.00**

A2 - Activitatea de cercetare		
A2.1.1 Articole în reviste cotate ISI	**Factor de impact ISI sau echivalent**	**Punctaj**
S. Popa, S. Mărtoiu, M. Ivanovici, “Study of the ATLAS new small wheel read-out controller ASIC in a neutron irradiation environment”, Journal of Instrumentation, JINST, 15 P10023, 26 October 2020, https://doi.org/10.1088/1748-0221/15/10/P10023	**1.454**	**22.87**
S. Popa, S. Mărtoiu, M. Ivanovici, “The quality-control test of the digital logic for the ATLAS new small wheel read-out controller ASIC”, Journal of Instrumentation, JINST, 15 P04023, 30 April 2020, https://doi.org/10.1088/1748-0221/15/04/P04023	**1.454**	**22.87**
R.-M. Coliban, S. Popa, T. Tulbure, D. Nicula, M. Ivanovici, S. Martoiu, L. Levinson and J. Vermeulen, “The Read Out Controller for the ATLAS New Small Wheel”, JINST, 11 C02069, 23 February 2016, https://doi.org/10.1088/1748-0221/11/02/C02069	**1.454**	**8.58**
4 articole ca autor ATLAS (ATLAS Collaboration) în Journal of Instrumentation:	**1.454**	
Operation of the ATLAS trigger system in Run 2, https://doi.org/10.1088/1748-0221/15/10/P10004		**0.02**
Performance of the ATLAS muon triggers in Run 2, https://doi.org/10.1088/1748-0221/15/09/P09015		**0.02**
Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data, https://doi.org/10.1088/1748-0221/14/12/P12006		**0.02**
Resolution of the ATLAS muon spectrometer monitored drift tubes in LHC Run 2, https://doi.org/10.1088/1748-0221/14/09/P09011		**0.02**
8 articole ca autor ATLAS (ATLAS Collaboration) în Physical Review Letter:	**8.385**	
Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector, https://doi.org/10.1103/PhysRevLett.125.221802		**0.10**
Dijet Resonance Search with Weak Supervision Using root S=13 TeV pp Collisions in the ATLAS Detector, https://doi.org/10.1103/PhysRevLett.125.131801		**0.09**
CP Properties of Higgs Boson Interactions with Top Quarks in the (tt)over-barH and tH Processes Using H -> gamma gamma with the ATLAS Detector, https://doi.org/10.1103/PhysRevLett.125.061802		**0.09**
Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using pp Collisions at root s=13 TeV, https://doi.org/10.1103/PhysRevLett.125.051801		**0.09**
Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector, https://doi.org/10.1103/PhysRevLett.124.222002		**0.09**
Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 Tev Proton-Proton Collisions with the ATLAS Detector, https://doi.org/10.1103/PhysRevLett.124.031802		**0.09**
Observation of Light-by-Light Scattering in Ultraperipheral Pb plus Pb Collisions with the ATLAS Detector, https://doi.org/10.1103/PhysRevLett.123.052001		**0.09**
Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment, https://doi.org/10.1103/PhysRevLett.122.231801		**0.10**
13 articole ca autor ATLAS (ATLAS Collaboration) în European Physical Journal C		
Measurements of top-quark pair spin correlations in the e mu channel at <mml:msqrt>s</mml:msqrt>=13 TeV using pp collisions in the ATLAS detector, https://doi.org/10.1140/epjc/s10052-020-8181-6		**0.05**
Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-020-8050-3		**0.05**
Measurement of the tt production cross-section and lepton differential distributions in e mu dilepton events from pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-020-7907-9		**0.05**
Transverse momentum and process dependent azimuthal anisotropies in root S-NN=8.16 TeV p plus Pb collisions with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-020-7624-4		**0.05**
Measurement of K-S(0) and Lambda(0) production in tt dileptonic events in pp collisions at root s=7 TeV with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-019-7512-y		**0.05**

Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at root s(NN)=5.02 TeV with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-019-7489-6	4.389	0.05
Measurements of top-quark pair differential and double-differential cross-sections in the l plus jets channel with pp collisions at root s=13 TeV using the ATLAS detector, https://doi.org/10.1140/epjc/s10052-019-7525-6		0.05
ATLAS b-jet identification performance and efficiency measurement with t(t)over-bar events in pp collisions at root s=13 TeV, https://doi.org/10.1140/epjc/s10052-019-7450-8		0.05
Measurement of W-+/- boson production in Pb plus Pb collisions at root s(NN)=5.02 TeV with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-019-7439-3		0.05
Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV, https://doi.org/10.1140/epjc/s10052-019-7335-x		0.05
Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector, https://doi.org/10.1140/epjc/s10052-019-7321-3		0.05
Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at root s=8 TeV with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-019-7199-0		0.05
Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1140/epjc/s10052-019-7162-0		0.05
14 articole ca autor ATLAS (ATLAS Collaboration) în Journal of High Energy Physics	5.875	
Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking, https://doi.org/10.1007/JHEP08(2020)080		0.07
Observation of the associated production of a top quark and a Z boson in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1007/JHEP07(2020)124		0.07
Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb(-1) of data collected with the ATLAS detector, https://doi.org/10.1007/JHEP06(2020)046		0.07
Measurement of isolated-photon plus two-jet production in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1007/JHEP03(2020)179		0.07
Search for new resonances in mass distributions of jet pairs using 139 fb(-1) of pp collisions at root s=13TeV with the ATLAS detector, https://doi.org/10.1007/JHEP03(2020)145		0.07
Measurement of the Z(-> l(+)l(-))gamma production cross-section in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1007/JHEP03(2020)054		0.07
Fluctuations of anisotropic flow in Pb plus Pb collisions at root s(NN)=5.02 TeV with the ATLAS detector, https://doi.org/10.1007/JHEP01(2020)051		0.07
Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector, https://doi.org/10.1007/JHEP10(2019)265		0.07
Measurement of ZZ production in the ll nu nu final state with the ATLAS detector in pp collisions at root s=13 TeV, https://doi.org/10.1007/JHEP10(2019)127		0.07
Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1007/JHEP08(2019)033		0.07
Search for scalar resonances decaying into mu(+)mu(-) in events with and without b-tagged jets produced in proton-proton collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1007/JHEP07(2019)117		0.07
Measurement of VH, H -> b(b)over-bar production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector, https://doi.org/10.1007/JHEP05(2019)141		0.07
Constraints on mediator-based dark matter and scalar dark energy models using root s= 13 TeV pp collision data collected by the ATLAS detector, https://doi.org/10.1007/JHEP05(2019)142		0.07
Combinations of single-top-quark production cross-section measurements and vertical bar f(LV)V(tb)vertical bar determinations at root s=7 and 8 TeV with the ATLAS and CMS experiments, https://doi.org/10.1007/JHEP05(2019)088		0.04
10 articole ca autor ATLAS (ATLAS Collaboration) în Physical Review D	4.833	
Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1103/PhysRevD.102.032006		0.06
Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying into b-quarks at root s=13 TeV with the ATLAS detector, https://doi.org/10.1103/PhysRevD.102.032004		0.06
Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in root s=13 TeV pp collisions with the ATLAS detector, https://doi.org/10.1103/PhysRevD.101.072001		0.06
Search for long-lived neutral particles produced in pp collisions at root s=13 TeV decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer, https://doi.org/10.1103/PhysRevD.101.052013		0.06
Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at root s=13 TeV, https://doi.org/10.1103/PhysRevD.101.052007		0.06
Searches for electroweak production of supersymmetric particles with compressed mass spectra in root s=13 TeV pp collisions with the ATLAS detector, https://doi.org/10.1103/PhysRevD.101.052005		0.06
Search for direct stau production in events with two hadronic tau-leptons in root s=13 TeV pp collisions with the ATLAS detector, https://doi.org/10.1103/PhysRevD.101.032009		0.06
Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1103/PhysRevD.100.052013		0.06
Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1103/PhysRevD.100.032007		0.06
Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at root s=13 TeV with the ATLAS detector, https://doi.org/10.1103/PhysRevD.100.012006		0.06
10 articole ca autor ATLAS (ATLAS Collaboration) în PHYSICS LETTERS B		
Measurement of the t(t)over-bar production cross-section in the lepton plus jets channel at root s=13 TeV with the ATLAS experiment, https://doi.org/10.1016/j.physletb.2020.135797		0.05
A search for the Z gamma decay mode of the Higgs boson in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1016/j.physletb.2020.135754		0.05

Test of CP invariance in vector-boson fusion production of the Higgs boson in the H -> tau tau channel in proton-proton collisions at root s=13TeV with the ATLAS detector, https://doi.org/10.1016/j.physletb.2020.135426	4.384	0.05
Evidence for electroweak production of two jets in association with a Z gamma pair in pp collisions at root S=13 TeV with the ATLAS detector, https://doi.org/10.1016/j.physletb.2020.135341		0.05
Combination of searches for Higgs boson pairs in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1016/j.physletb.2019.135103		0.05
Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb(-1) of pp collisions at root s=13 TeV with the ATLAS experiment, https://doi.org/10.1016/j.physletb.2019.135082		0.05
Searches for lepton-flavour-violating decays of the Higgs boson in root s=13 TeV pp collisions with the ATLAS detector, https://doi.org/10.1016/j.physletb.2019.135069		0.05
Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at root s=13 TeV, https://doi.org/10.1016/j.physletb.2019.134942		0.05
Measurement of the production cross section for a Higgs boson in association with a vector boson in the H -> WW* -> l nu l nu channel in pp collisions at root s=13 TeV with the ATLAS detector, https://doi.org/10.1016/j.physletb.2019.134949		0.05
Evidence for the production of three massive vector bosons with the ATLAS detector, https://doi.org/10.1016/j.physletb.2019.134913		0.05
Search for high-mass dilepton resonances using 139 fb(-1) of pp collision data collected at root s=13 TeV with the ATLAS detector, https://doi.org/10.1016/j.physletb.2019.07.016		0.05
Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions root s=13 TeV with the ATLAS detector, https://doi.org/10.1016/j.physletb.2019.03.067		0.05
2 articole ca autor ATLAS (ATLAS Collaboration) în Physical Review C	2.988	
Measurement of the azimuthal anisotropy of charged-particle production in Xe plus Xe collisions at root S-NN=5.44 TeV with the ATLAS detector, https://doi.org/10.1103/PhysRevC.101.024906		0.04
Measurement of angular and momentum distributions of charged particles within and around jets in Pb plus Pb and pp collisions at root s(NN)=5.02 TeV with the ATLAS detector, https://doi.org/10.1103/PhysRevC.100.064901		0.04
A2.1.2 Volumele unor manifestari stiintifice indexate ISI proceedings	**Factor de impact ISI sau echivalent**	**Punctaj**
S. Popa, M. Ivanovici, R.-M. Coliban, “Time-multiplexed 10Gbps Ethernet-based Integrated Logic Analyzer for FPGAs”, 2020 International Symposium on Electronics and Telecommunications (ISETC), Timisoara, 5-6 November 2020, https://conference.etc.upt.ro/isetc2020/openconf/modules/request.php?module=oc_program&action=program.php&p=program	**0.25**	**10.83**
S. Popa, M. Luchian, M. Ivanovici, “Clock and data signals synchronization for an FPGA-based ASIC testing setup”, 2019 International Symposium on Signals, Circuits and Systems (ISSCS), Iasi, 11-12 July 2019, https://doi.org/10.1109/ISSCS.2019.8801780	**0.25**	**10.83**
36.67	**37.17**	
A2.2 Articole in reviste si volumele unor manifestari stiintifice indexate in alte baze de date internationale (BDI)	**Factor de impact ISI sau echivalent**	**Punctaj**
S. Popa, S. Martoiu, M. Luchian, R.-M Coliban, M. Ivanovici, “The Quality-Assurance Test of the ATLAS New Small Wheel Read-Out Controller ASIC”, Topical Workshop on Electronics for Particle Physics (TWEPP2018), Antwerp, Belgium, 17-21 September 2018, https://doi.org/10.22323/1.343.0081	nu	**4.00**
D. Nicula, J. Vermeulen, L. Levinson, M. Ivanovici, R.-M Coliban, S. Martoiu, S. Popa, T. T. Tulbure, “Design of the NSW Read Out Controller ASIC”, Topical Workshop on Electronics for Particle Physics (TWEPP2015), Lisbon, Portugal, 29 September 2015, https://indico.cern.ch/event/357738/contributions/848825/	nu	**2.50**
A2.4.1.1 Granturi sau proiecte câștigate prin competiție în calitate de director sau responsabil contract - internaționale	**Factor de impact ISI sau echivalent**	**Punctaj**
		0.00
A2.4.1.2 Granturi sau proiecte câștigate prin competiție în calitate de director sau responsabil contract - naționale	**Factor de impact ISI sau echivalent**	**Punctaj**
		0.00
A2.4.2.1 Granturi sau proiecte câștigate prin competiție în calitate de membru în echipă - internaționale	**Factor de impact ISI sau echivalent**	**Punctaj**
Open Science Innovation in PhD Programme through Earth Observation: towards new career skils development (InnEO’Space_PhD), 2020-2022, finantator: Uniunea Europeana – Orizont 2020, Contract nr. 101006275, 1.5 ani	nu	**6.00**
A2.4.2.2 Granturi sau proiecte câștigate prin competiție în calitate de membru în echipă - naționale	**Factor de impact ISI sau echivalent**	**Punctaj**
Experimentul ATLAS de la LHC, PNII CAPACITATI, Modulul III, ROMANIA-CERN, 2020-2021, Bugetul De Stat – Autoritatea Nationala pentru Cercetarea Stiintifica, Contract nr. 11/10.03.2020	nu	**4.00**
Experimentul ATLAS de la LHC, PNII CAPACITATI, Modulul III, ROMANIA-CERN, 2016-2019, Bugetul De Stat – Autoritatea Nationala pentru Cercetarea Stiintifica, Contract nr. 8/16.03.2016	nu	**8.00**
Experimentul ATLAS de la LHC, PNII CAPACITATI, Modulul III, ROMANIA-CERN, 2012-2015, Bugetul De Stat – Autoritatea Nationala pentru Cercetarea Stiintifica, Contract nr. 7/03.01.2012	nu	**6.00**
Total	**37.17**	**110.27**

A3 - Recunoașterea și impactul activității		
A3.1.1 Citări în cărți, reviste și volume ale unor manifestări științifice - cărți, ISI	**citări**	**Punctaj**

Citari ale articolului: R.-M. Coliban, S. Popa, T. Tulbure, D. Nicula, M. Ivanovici, S. Martoiu, L. Levinson and J. Vermeulen, "The Read Out Controller for the ATLAS New Small Wheel", JINST, 11 C02069, 23 February 2016, https://doi.org/10.1088/1748-0221/11/02/C02069		
P. Tzanis, "Electronics performance of the ATLAS New Small Wheel Micromegas wedges at CERN", JOURNAL OF INSTRUMENTATION, July 2020, ISSN: 1748-0221, https://doi.org/10.1088/1748-0221/15/07/C07002	1 (Q3)	**1.00**
Shuang Zhou, Feng Li, Peng Miao, Xinxin Wang, Naijie Zhang, Liang Han, GeJin, "Automatic test system for pFEB and sFEB mass production", NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, DEC 1 2019, ISSN: 0168-9002, https://www.sciencedirect.com/science/article/pii/S0168900219311350?via%3Dihub	1 (Q3)	**1.00**
Wu, W, "FELIX: the New Detector Interface for the ATLAS Experiment", IEEE TRANSACTIONS ON NUCLEAR SCIENCE, JUL 2019, ISSN: 0018-9499, https://ieeexplore.ieee.org/document/8700221	1 (Q2)	**2.00**
Wu W., Chen H., Chen K., Lanni F., Liu H., Xu L., Benoit M., Lacobucci G., Pinto M. Vicente Barrero, "Development of FELIX based readout system for HV-CMOS sensor testbeam", JOURNAL OF INSTRUMENTATION, JAN 2019, ISSN: 1748-0221, https://iopscience.iop.org/article/10.1088/1748-0221/14/01/P01013	1 (Q3)	**1.00**
Liu Shengquan, Li Feng, Miao Peng, Zhang Zhilei, Wang XinXin, Geng Tianru, Zhou Shuang, Zhao Xiao, Duan Yanyun, Ge Jin, "Note: Development of sTGC strip front-end readout prototype for ATLAS new small wheel upgrade", REVIEW OF SCIENTIFIC INSTRUMENTS, DEC 2018, ISSN: 0034-6748, https://doi.org/10.1063/1.5055906	1 (Q3)	**1.00**
Gkountoumis P., "Electronics design and system integration of the ATLAS New Small Wheels", JOURNAL OF INSTRUMENTATION, JAN 2017, ISSN: 1748-0221, https://iopscience.iop.org/article/10.1088/1748-0221/12/01/C01088	1 (Q3)	**1.00**
L. Guan, "Trigger algorithms and electronics for the ATLAS muon new small wheel upgrade", JOURNAL OF INSTRUMENTATION, JAN 2016, ISSN: 1748-0221, https://doi.org/10.1088/1748-0221/11/01/C01083	1 (Q3)	**1.00**
Citari ale articolului "Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data", autor ATLAS (ATLAS Collaboration), Journal of Instrumentation, https://doi.org/10.1088/1748-0221/14/12/P12006		
ATLAS Collaboration, "Higgs boson production cross-section measurements and their EFT interpretation in the 4l decay channel at root s=13 TeV with the ATLAS detector", EUROPEAN PHYSICAL JOURNAL C, OCT 16 2020, DOI: 10.1140/epjc/s10052-020-8227-9	1 (Q1)	**0.01**
ATLAS Collaboration, "Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in root s=13 TeV pp collisions using the ATLAS detector", EUROPEAN PHYSICAL JOURNAL C, FEB 14 2020, DOI: 10.1140/epjc/s10052-019-7594-6	1 (Q1)	**0.01**
ATLAS Collaboration, "Combined measurements of Higgs boson production and decay using up to 80 fb(-1) of proton-proton collision data at root S=13 TeV collected with the ATLAS experiment", PHYSICAL REVIEW D, JAN 3 2020, DOI: 10.1103/PhysRevD.101.012002	1 (Q1)	**0.01**
Citari ale articolului "CP Properties of Higgs Boson Interactions with Top Quarks in the (tt)over-barH and tH Processes Using H -> gamma gamma with the ATLAS Detector", autor ATLAS (ATLAS Collaboration), Physical Review Letter, https://doi.org/10.1103/PhysRevLett.125.061802		
CMS Collaboration, "Measurements of (tt)over-barH Production and the CP Structure of the Yukawa Interaction between the Higgs Boson and Top Quark in the Diphoton Decay Channel", PHYSICAL REVIEW LETTERS, AUG 5 2020, DOI: 10.1103/PhysRevLett.125.061801	1(Q1)	**0.01**
Citari ale articolului "Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 Tev Proton-Proton Collisions with the ATLAS Detector", autor ATLAS (ATLAS Collaboration), Physical Review Letter, https://doi.org/10.1103/PhysRevLett.124.031802		
Ren Jing, Zhang Chen, "Quantum nucleation of up-down quark matter and astrophysical implications", PHYSICAL REVIEW D, OCT 5 2020, DOI: 10.1103/PhysRevD.102.083003	1 (Q1)	**0.01**
Kaddour H., Panzner T.D., Welch J.L., Shouman N., Mohan M., Stapleton J.T., Okeoma C.M., "Electrostatic Surface Properties of Blood and Semen Extracellular Vesicles: Implications of Sialylation and HIV-Induced Changes on EV Internalization", VIRUSES-BASEL, OCT 2020, DOI: 10.3390/v12101117	1 (Q2)	**0.01**
Mavromatos N.E., Mitsou V.A., "Magnetic monopoles revisited: Models and searches at colliders and in the Cosmos", INTERNATIONAL JOURNAL OF MODERN PHYSICS A, AUG 20 2020, DOI: 10.1142/S0217751X20300124	1 (Q3)	**0.00**
Yock P., "Testable hypotheses by Isaac Newton on particle physics", PHYSICS ESSAYS, JUN 2020, DOI: 10.4006/0836-1398-33.2.149	1 (Q4)	**0.00**
Felea D., Mamuzic J., Maselek R., Mavromatos N.E., Mitsou V.A., Pinfold J.L., R.R. de Austri, Sakurai K., Santra A., Vives O., "Prospects for discovering supersymmetric long-lived particles with MoEDAL", EUROPEAN PHYSICAL JOURNAL C, MAY 17 2020, DOI: 10.1140/epjc/s10052-020-7994-7	1 (Q1)	**0.01**
Zhang J., Lu R., Zhang Y., Matuszek Z., Zhang W., Xia Y., Pan T., Sun J., "tRNA Queuosine Modification Enzyme Modulates the Growth and Microbiome Recruitment to Breast Tumors", CANCERS, MAR 2020, DOI: 10.3390/cancers12030628	1 (Q1)	**0.01**
Citari ale articolului "Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 Tev Proton-Proton Collisions with the ATLAS Detector", autor ATLAS (ATLAS Collaboration), Physical Review Letter, https://doi.org/10.1103/PhysRevLett.124.031802		
Czarnecki A., et.al., "Logarithmically enhanced Euler-Heisenberg Lagrangian contribution to the electron gyromagnetic factor", PHYSICAL REVIEW A, NOV 11 2020, DOI: 10.1103/PhysRevA.102.050801	1 (Q2)	**0.01**
Murphy C. W., "Dimension-8 operators in the Standard Model Effective Field Theory", JOURNAL OF HIGH ENERGY PHYSICS, OCT 27 2020, DOI: 10.1007/JHEP10(2020)174	1 (Q1)	**0.01**
Dyndal M., et.al., "Anomalous electromagnetic moments of tau lepton in gamma gamma -> tau(+)tau(-) treaction in Pb plus Pb collisions at the LHC", PHYSICS LETTERS B, OCT 10 2020, DOI: 10.1016/j.physletb.2020.135682	1 (Q1)	**0.01**
Harland-Lang L. A., Tasevsky M., Khoze V. A., Ryskin M. G., "A new approach to modelling elastic and inelastic photon-initiated production at the LHC: SuperChic 4", EUROPEAN PHYSICAL JOURNAL C, OCT 7 2020, DOI: 10.1140/epjc/s10052-020-08455-0	1 (Q1)	**0.01**
Goncalves V. P., Martins D. E., Rangel M. S., "Diffractive gamma gamma production in pp collisions at the LHC", EUROPEAN PHYSICAL JOURNAL C, SEP 10 2020, DOI: 10.1140/epjc/s10052-020-8393-9	1 (Q1)	**0.01**

Palczewska G., et.al., “Noninvasive two-photon optical biopsy of retinal fluorophores”, PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, SEP 8 2020, DOI: 10.1073/pnas.2007527117	1 (Q1)	**0.01**
Jeong T.M., et.al., “Photon scattering by a 4 pi-spherically-focused ultrastrong electromagnetic wave”, PHYSICAL REVIEW A, AUG 3 2020, DOI: 10.1103/PhysRevA.102.023504	1 (Q2)	**0.01**
Ejlli A., et.al., “The PVLAS experiment: A 25 year effort to measure vacuum magnetic birefringence”, PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS, AUG 2 2020, DOI: 10.1016/j.physrep.2020.06.001	1 (Q1)	**0.01**
Broz M., et.al., “A generator of forward neutrons for ultra-peripheral collisions: n(o)(o)n”, COMPUTER PHYSICS COMMUNICATIONS, AUG 2020, DOI: 10.1016/j.cpc.2020.107181	1 (Q1)	**0.01**
Inan S. C., Kisselev A. V., “A search for axion-like particles in light-by-light scattering at the CLIC”, JOURNAL OF HIGH ENERGY PHYSICS, JUN 30 2020, DOI: 10.1007/JHEP06(2020)183	1 (Q1)	**0.01**
Bruce R., “New physics searches with heavy-ion collisions at the CERN Large Hadron Collider”, JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, JUN 2020, DOI: 10.1088/1361-6471/ab7ff7	1 (Q2)	**0.01**
Coelho R.O., “Exclusive and diffractive yy production in PbPb collisions at the LHC, HE-LHC and FCC”, EUROPEAN PHYSICAL JOURNAL C, MAY 30 2020, DOI: 10.1140/epjc/s10052-020-8006-7	1 (Q1)	**0.01**
Horvat R., “Light-by-light scattering and spacetime noncommutativity”, PHYSICAL REVIEW D, MAY 27 2020, DOI: 10.1103/PhysRevD.101.095035	1 (Q1)	**0.01**
Azevedo C., “True muonium production in ultraperipheral PbPb collisions”, PHYSICAL REVIEW C, FEB 25 2020, DOI: 10.1103/PhysRevC.101.024914	1 (Q2)	**0.01**
Klein S. R., Steinberg P., “Photonuclear and Two-Photon Interactions at High-Energy Nuclear Colliders”, ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70, 2020, DOI: 10.1146/annurev-nucl-030320-033923	1 (Q1)	**0.01**
Dremin I.M., “Ultraperipheral nuclear interactions”, PHYSICS-USPEKHI, DOI: 10.3367/UFNe.2020.03.038741	1 (Q2)	**0.01**
Davis R., “Scattering of light by light”, IEEE INSTRUMENTATION & MEASUREMENT MAGAZINE, DEC 2019	1 (Q3)	**0.00**
Citari ale articolului “Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment”, autor ATLAS (ATLAS Collaboration), Physical Review Letter, https://doi.org/10.1103/PhysRevLett.122.231801		
Tan Y. H., “Search for invisible decays of the Higgs boson produced at the CEPC”, CHINESE PHYSICS C, DEC 2020, DOI: 10.1088/1674-1137/abb4d8	1 (Q2)	**0.01**
Wang H.J., et.al., “Adaptive thermogenesis enhances the life-threatening response to heat in mice with an Ryr1 mutation”, NATURE COMMUNICATIONS, OCT 9 2020, DOI: 10.1038/s41467-020-18865-z	1 (Q1)	**0.01**
Dutta B., et.al., “Explaining (g-2)(mu,e), the KOTO anomaly, and the MiniBooNE excess in an extended Higgs model with sterile neutrinos”, PHYSICAL REVIEW D, SEP 24 2020, DOI: 10.1103/PhysRevD.102.055017	1 (Q1)	**0.01**
Hostert M., et.al., “Pair production of dark particles in meson decays”, PHYSICAL REVIEW D, SEP 23 2020, DOI: 10.1103/PhysRevD.102.055016	1 (Q1)	**0.01**
Arcadi G., et.al., “The Higgs -portal for vector dark matter and the effective field theory approach: A reappraisal”, PHYSICS LETTERS B, JUN 10 2020, DOI: 10.1016/j.physletb.2020.135427	1 (Q1)	**0.01**
Sirunyan A.M., et.al., “Search for dijet resonances using events with three jets in proton-proton collisions at root s=13 TeV”, PHYSICS LETTERS B, JUN 10 2020, DOI: 10.1016/j.physletb.2020.135448	1 (Q1)	**0.01**
Wang K., Zhu J., “Funnel annihilations of light dark matter and the invisible decay of the Higgs boson”, PHYSICAL REVIEW D, MAY 20 2020, DOI: 10.1103/PhysRevD.101.095028	1 (Q1)	**0.01**
Robens T., et.al., “Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios”, EUROPEAN PHYSICAL JOURNAL C, FEB 19 2020, DOI: 10.1140/epjc/s10052-020-7655-x	1 (Q1)	**0.01**
Sanyal P., et.al., “Cosmological dark matter in a conformal model”, PHYSICAL REVIEW D, DEC 18 2019, DOI: 10.1103/PhysRevD.100.115032	1 (Q1)	**0.01**
Araki T., et.al., “Low scale seesaw models for low scale U(1)(L mu - L tau) symmetry”, PHYSICAL REVIEW D, NOV 13 2019, DOI: 10.1103/PhysRevD.100.095012	1 (Q1)	**0.01**
Kraml S., et.al., “Constraining new physics from Higgs measurements with Lilith: update to LHC Run 2 results”, SCIPOST PHYSICS, OCT 2019, DOI: 10.21468/SciPostPhys.7.4.052	1 (Q1)	**0.01**
Altmannshofer W., et.al., “Doubly blind spots in scalar dark matter models”, PHYSICAL REVIEW D, SEP 23 2019, DOI: 10.1103/PhysRevD.100.055033	1 (Q1)	**0.01**
Cline J.M., et.al., “Pseudo-Goldstone dark matter confronts cosmic ray and collider anomalies”, PHYSICAL REVIEW D, AUG 26 2019, DOI: 10.1103/PhysRevD.100.035023	1 (Q1)	**0.01**
Citari ale articolului “Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-020-8050-3		
Fiaschi J., Klasen M., “Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision”, PHYSICAL REVIEW D, NOV 20 2020, DOI: 10.1103/PhysRevD.102.095021	1 (Q1)	**0.01**
Goodsell M.D., et.al., “Constraining electroweakinos in the minimal Dirac gaugino model”, SCIPOST PHYSICS, OCT 2020, DOI: 10.21468/SciPostPhys.9.4.047	1 (Q1)	**0.01**
Aaboud M., et.al., “Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at root s=13 TeV with the ATLAS detector”, JOURNAL OF HIGH ENERGY PHYSICS , OCT 1 2020, DOI: 10.1007/JHEP10(2020)005	1 (Q1)	**0.01**
Liu J., et.al., “Searching for the Higgsino-Bino sector at the LHC”, JOURNAL OF HIGH ENERGY PHYSICS, SEP 9 2020, DOI: 10.1007/JHEP09(2020)073	1 (Q1)	**0.01**
Abdallah W., et.al., “Reinterpretation of LHC results for new physics: status and recommendations after run 2”, AUG 2020, DOI: 10.21468/SciPostPhys.9.2.022	1 (Q1)	**0.01**
Citari ale articolului “Measurement of the tt production cross-section and lepton differential distributions in e mu dilepton events from pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-020-7907-9		
Goncalves V. P., et.al., “Top quark pair production in the exclusive processes at the LHC”, PHYSICAL REVIEW D, OCT 21 2020, DOI: 10.1103/PhysRevD.102.074014	1 (Q1)	**0.01**

Citari ale articolului "Transverse momentum and process dependent azimuthal anisotropies in root S-NN=8.16 TeV p plus Pb collisions with the ATLAS detector", autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-020-7624-4		
Tang T.P., et.al., "Probing single stop production at the FCC-hh/SPPC", NUCLEAR PHYSICS B, OCT 2020, DOI: 10.1016/j.nuclphysb.2020.115161	1 (Q2)	**0.01**
Castorina P., et.al., "Universality in hadronic and nuclear collisions at high energy", PHYSICAL REVIEW C, MAY 11 2020, DOI: 10.1103/PhysRevC.101.054902	1 (Q2)	**0.01**
Citari ale articolului "Measurement of K-S(0) and Lambda(0) production in tt dileptonic events in pp collisions at root s=7 TeV with the ATLAS detector", autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7512-y		
Bruscino N., "Top quark physics with the ATLAS detector: recent highlights", PHYSICA SCRIPTA, SEP 2020, DOI: 10.1088/1402-4896/abafca	1 (Q2)	**0.01**
Duncan C. B., Skands P., "Fragmentation of two repelling Lund strings", SCIPOST PHYSICS, MAY 2020, DOI: 10.21468/SciPostPhys.8.5.080	1 (Q1)	**0.01**
Erdmann J., "A tagger for strange jets based on tracking information using long short-term memory", JOURNAL OF INSTRUMENTATION, JAN 2020, DOI: 10.1088/1748-0221/15/01/P01021	1 (Q3)	**0.00**
Citari ale articolului "Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at root s(NN)=5.02 TeV with the ATLAS detector", autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7489-6		
Giacalone G., et.al., "Observable Signatures of Initial State Momentum Anisotropies in Nuclear Collisions", PHYSICAL REVIEW LETTERS, NOV 5 2020, DOI: 10.1103/PhysRevLett.125.192301	1 (Q1)	**0.01**
Schenke B., et.al., "Transverse momentum fluctuations and their correlation with elliptic flow in nuclear collisions", PHYSICAL REVIEW C, SEP 14 2020, DOI: 10.1103/PhysRevC.102.034905	1 (Q2)	**0.01**
Giacalone G., "Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions", PHYSICAL REVIEW C, AUG 3 2020, DOI: 10.1103/PhysRevC.102.024901	1 (Q2)	**0.01**
Bozek P., et.al., "Correlation coefficient between harmonic flow and transverse momentum in heavy-ion collisions", PHYSICAL REVIEW C, JUN 3 2020, DOI: 10.1103/PhysRevC.101.064902	1 (Q2)	**0.01**
Castorina P., et.al., "Universality in hadronic and nuclear collisions at high energy", PHYSICAL REVIEW C, MAY 11 2020,	1 (Q2)	**0.01**
Citari ale articolului "Measurements of top-quark pair differential and double-differential cross-sections in the l plus jets channel with pp collisions at root s=13 TeV using the ATLAS detector", autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7525-6		
Goncalves V. P., et.al., "Top quark pair production in the exclusive processes at the LHC", PHYSICAL REVIEW D, OCT 21 2020, DOI: 10.1103/PhysRevD.102.074014	1 (Q1)	**0.01**
Bruscino N., "Top quark physics with the ATLAS detector: recent highlights", PHYSICA SCRIPTA, SEP 2020, DOI: 10.1088/1402-4896/abafca	1 (Q2)	**0.01**
Ju Wan-Li, et.al., "Top quark pair production near threshold: single/double distributions and mass determination", JOURNAL OF HIGH ENERGY PHYSICS, JUN 25 2020, DOI: 10.1007/JHEP06(2020)158	1 (Q1)	**0.01**
Franzosi D. B., Tonero A., "Top-quark partial compositeness beyond the effective field theory paradigm", JOURNAL OF HIGH ENERGY PHYSICS, APR 7 2020, DOI: 10.1007/JHEP04(2020)040	1 (Q1)	**0.01**
Kidonakis N., "Top-quark double-differential distributions at approximate (NLO)-L-3", PHYSICAL REVIEW D, APR 7 2020, DOI: 10.1103/PhysRevD.101.074006	1 (Q1)	**0.01**
Citari ale articolului "ATLAS b-jet identification performance and efficiency measurement with t(t)over-bar events in pp collisions at root s=13 TeV", autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7450-8		
Aaboud M., et.al., "Higgs boson production cross-section measurements and their EFT interpretation in the 4l decay channel at root s=13 TeV with the ATLAS detector", EUROPEAN PHYSICAL JOURNAL C, OCT 16 2020, DOI: 10.1140/epjc/s10052-020-8227-9	1 (Q1)	**0.01**
Aaboud M., et.al., "Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in root s=13 TeV pp collisions with the ATLAS detector", JOURNAL OF HIGH ENERGY PHYSICS, OCT 16 2020, DOI: 10.1007/JHEP10(2020)112	1 (Q1)	**0.01**
Aaboud M., et.al., "Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using root s=13 TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC", JOURNAL OF HIGH ENERGY PHYSICS, OCT 12 2020, DOI: 10.1007/JHEP10(2020)062	1 (Q1)	**0.01**
Aaboud M., et.al., "Search for t(t)over-bar resonances in fully hadronic final states in pp collisions at root s=13 TeV with the ATLAS detector", JOURNAL OF HIGH ENERGY PHYSICS, OCT 9 2020, DOI: 10.1007/JHEP10(2020)061	1 (Q1)	**0.01**
Aaboud M., et.al., "Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at root s=13 TeV with the ATLAS detector", JOURNAL OF HIGH ENERGY PHYSICS, OCT 1 2020, DOI: 10.1007/JHEP10(2020)005	1 (Q1)	**0.01**
Yap Yee Chinn, "Recent observation and measurements of diboson processes from the ATLAS experiment", MODERN PHYSICS LETTERS A, SEP 14 2020, DOI: 10.1142/S021773232030013X	1 (Q1)	**0.01**
Aaboud M., et.al., "Search for the HH -> b(b)over-barb(b)over-bar process via vector-boson fusion production using proton-proton collisions at root s=13 TeV with the ATLAS detector", JOURNAL OF HIGH ENERGY PHYSICS, JUL 16 2020, DOI: 10.1007/JHEP07(2020)108	1 (Q1)	**0.01**
Aaboud M., et.al., "ATLAS data quality operations and performance for 2015-2018 data-taking", JOURNAL OF INSTRUMENTATION, APR 2020, DOI: 10.1088/1748-0221/15/04/P04003	1 (Q3)	**0.00**
Aaboud M., et.al., "Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in root s=13 TeV pp collisions using the ATLAS detector", EUROPEAN PHYSICAL JOURNAL C, FEB 14 2020, DOI: 10.1140/epjc/s10052-019-7594-6	1 (Q1)	**0.01**
Aaboud M., et.al., "Search for the Higgs boson decays H -> ee and H -> e mu in pp collisions at root s=13 TeV with the ATLAS detector", PHYSICS LETTERS B, FEB 10 2020, DOI: 10.1016/j.physletb.2019.135148	1 (Q1)	**0.01**

Aaboud M., et.al., “Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum”, JOURNAL OF HIGH ENERGY PHYSICS, DEC 9 2019, DOI: 10.1007/JHEP12(2019)060	1 (Q1)	**0.01**
Citari ale articolului “Measurement of W-+/- boson production in Pb plus Pb collisions at root s(NN)=5.02 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7439-3		
Eskola K. J., et.al., “Shadowing in Inelastic Nucleon-Nucleon Cross Section?”, PHYSICAL REVIEW LETTERS, NOV 18 2020, DOI: 10.1103/PhysRevLett.125.212301	1 (Q1)	**0.01**
Citari ale articolului “Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV”, autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7335-x		
Ju X., Nachman B., et.al., “Supervised jet clustering with graph neural networks for Lorentz boosted bosons”, PHYSICAL REVIEW D, OCT 13 2020, DOI: 10.1103/PhysRevD.102.075014	1 (Q1)	**0.01**
Andrews M., et.al., “End-to-end jet classification of quarks and gluons with the CMS Open Data”, NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, OCT 11 2020, DOI: 10.1016/j.nima.2020.164304	1 (Q3)	**0.00**
Moreno E. A., et.al., “Interaction networks for the identification of boosted H -> b(b)over-bardecays”, PHYSICAL REVIEW D, JUL 28 2020, DOI: 10.1103/PhysRevD.102.012010	1 (Q1)	**0.01**
Ding C., et.al., “Electroweak-QCD interference in hadronic vector bosons decays at the LHC”, EUROPEAN PHYSICAL JOURNAL C, FEB 26 2020, DOI: 10.1140/epjc/s10052-020-7729-9	1 (Q1)	**0.01**
Bao Y., et.al., “Calculating pull for non-singlet jets”, JOURNAL OF HIGH ENERGY PHYSICS, DEC 4 2019, DOI: 10.1007/JHEP12(2019)035	1 (Q1)	**0.01**
Citari ale articolului “Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at root s=8 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7199-0		
d'Enterria D., Poldaru A., “Extraction of the strong coupling alpha(s)(m(Z)) from a combined NNLO analysis of inclusive electroweak boson cross sections at hadron colliders”, JOURNAL OF HIGH ENERGY PHYSICS, JUN 1 2020, DOI: 10.1007/JHEP06(2020)016	1 (Q1)	**0.01**
Citari ale articolului “Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), European Physical Journal C, https://doi.org/10.1140/epjc/s10052-019-7162-0		
Acharya S., “Underlying event properties in pp collisions at root s=13 TeV”, JOURNAL OF HIGH ENERGY PHYSICS, APR 29 2020, DOI: 10.1007/JHEP04(2020)192	1 (Q1)	**0.01**
Kulchitsky Y., “SOFT QCD AT ATLAS AND CMS”, ACTA PHYSICA POLONICA B, 2020, DOI: 10.5506/AphysPolB.51.1411	1 (Q4)	**0.00**
Citari ale articolului “Observation of the associated production of a top quark and a Z boson in pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP07(2020)124		
Cao Qing-Hong, et.al., “Probing Zt(t)over-bar couplings using Z boson polarization in ZZ production at hadron colliders”, PHYSICAL REVIEW D, SEP 15 2020, DOI: 10.1103/PhysRevD.102.055010	1 (Q1)	**0.01**
Citari ale articolului “Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb(-1) of data collected with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP06(2020)046		
Bahl H., et.al., “Precise prediction for the mass of the light MSSM Higgs boson for the case of a heavy gluino”, PHYSICS LETTERS B, SEP 10 2020, DOI: 10.1016/j.physletb.2020.135644	1 (Q1)	**0.01**
Costantini A., et.al., “Vector boson fusion at multi-TeV muon colliders”, JOURNAL OF HIGH ENERGY PHYSICS, SEP 10 2020, DOI: 10.1007/JHEP09(2020)080	1 (Q1)	**0.01**
Hou W.S., et.al., “Constraining the t -> u flavor changing neutral Higgs coupling at the LHC”, PHYSICAL REVIEW D, SEP 9 2020, DOI: 10.1103/PhysRevD.102.055006	1 (Q1)	**0.01**
Todome K., Collaboration A. T. L. A. S., “Searches for squarks and gluinos with the ATLAS detector”, PHYSICA SCRIPTA, SEP 2020, DOI: 10.1088/1402-4896/abaad3	1 (Q2)	**0.01**
Citari ale articolului “Search for new resonances in mass distributions of jet pairs using 139 fb(-1) of pp collisions at root s=13TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP03(2020)145		
Gingrich D. M., Undseth B., “Quantum black holes in the horizon quantum mechanics model at the Large Hadron Collider”, PHYSICAL REVIEW D, NOV 18 2020, DOI: 10.1103/PhysRevD.102.095020	1 (Q1)	**0.01**
Borah D., et.al., “Observing left-right symmetry in the cosmic microwave background”, PHYSICAL REVIEW D, AUG 26 2020, DOI: 10.1103/PhysRevD.102.035025	1 (Q1)	**0.01**
Bhattiprolu P. N., Martin S. P., “Signal-background interference for digluon resonances at the Large Hadron Collider”, PHYSICAL REVIEW D, JUL 16 2020, DOI: 10.1103/PhysRevD.102.015016	1 (Q1)	**0.01**
Hook A., et.al., “High Quality QCD Axion and the LHC”, PHYSICAL REVIEW LETTERS, JUN 1 2020, DOI: 10.1103/PhysRevLett.124.221801	1 (Q1)	**0.01**
Citari ale articolului “Measurement of the Z(-> l(+)l(-))gamma production cross-section in pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP03(2020)054		
Wiesemann M., et.al., “The Z gamma transverse-momentum spectrum at NNLO+(NLL)-L-3”, PHYSICS LETTERS B, OCT 10 2020, DOI: 10.1016/j.physletb.2020.135718	1 (Q1)	**0.01**
Citari ale articolului “Fluctuations of anisotropic flow in Pb plus Pb collisions at root s(NN)=5.02 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP01(2020)051		
Carzon P., et.al., “Possible octupole deformation of Pb-208 and the ultracentral v(2) to v(3) puzzle”, PHYSICAL REVIEW C, NOV 9 2020, DOI: 10.1103/PhysRevC.102.054905	1 (Q2)	**0.01**

Gardim F. G., et.al., “The mean transverse momentum of ultracentral heavy-ion collisions: A new probe of hydrodynamics”, PHYSICS LETTERS B, OCT 10 2020, DOI: 10.1016/j.physletb.2020.135749	1 (Q1)	**0.01**
Mordasini C., et.al., “Higher order symmetric cumulants”, PHYSICAL REVIEW C, AUG 12 2020, DOI: 10.1103/PhysRevC.102.024907	1 (Q2)	**0.01**
Giacalone G., “Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions”, PHYSICAL REVIEW C, AUG 3 2020, DOI: 10.1103/PhysRevC.102.024901	1 (Q2)	**0.01**
Shao H. S., “Probing impact-parameter dependent nuclear parton densities from double parton scatterings in heavy-ion collisions”, PHYSICAL REVIEW D, MAR 26 2020, DOI: 10.1103/PhysRevD.101.054036	1 (Q1)	**0.01**
Huang S. L., “Disentangling contributions to small-system collectivity via scans of light nucleus-nucleus collisions”, PHYSICAL REVIEW C, FEB 18 2020, DOI: 10.1103/PhysRevC.101.021901	1 (Q2)	**0.01**
Citari ale articolului “Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP10(2019)265		
Cheung K., et.al., “Sensitivity reach on heavy neutral leptons and tau-neutrino mixing vertical bar U-tau N vertical bar(2) at the HL-LHC”, PHYSICAL REVIEW D, OCT 28 2020, DOI: 10.1103/PhysRevD.102.075038	1 (Q1)	**0.01**
Shuve B., Tucker-Smith D., “Baryogenesis and dark matter from freeze-in”, PHYSICAL REVIEW D, JUN 18 2020, DOI: 10.1103/PhysRevD.101.115023	1 (Q1)	**0.01**
Arbelaez C., et.al., “Long-lived charged particles and multilepton signatures from neutrino mass models”, PHYSICAL REVIEW D, MAY 26 2020, DOI: 10.1103/PhysRevD.101.095033	1 (Q1)	**0.01**
Dib C. O., et.al., “Searching for a sterile neutrino that mixes predominantly with nu(tau) at B factories”, PHYSICAL REVIEW D, MAY 12 2020, DOI: 10.1103/PhysRevD.101.093003	1 (Q1)	**0.01**
Farzan Y., “A model for lepton flavor violating non-standard neutrino interactions”, PHYSICS LETTERS B, APR 10 2020, DOI: 10.1016/j.physletb.2020.135349	1 (Q1)	**0.01**
Bolton P. D., “Neutrinoless double beta decay versus other probes of heavy sterile neutrinos”, JOURNAL OF HIGH ENERGY PHYSICS, MAR 27 2020, DOI: 10.1007/JHEP03(2020)170	1 (Q1)	**0.01**
Antusch S., et.al., “Lepton-trijet and displaced vertex searches for heavy neutrinos at future electron-proton colliders”, JOURNAL OF HIGH ENERGY PHYSICS, MAR 19 2020, DOI: 10.1007/JHEP03(2020)110	1 (Q1)	**0.01**
Drewes M., Hajer J., “Heavy neutrinos in displaced vertex searches at the LHC and HL-LHC”, JOURNAL OF HIGH ENERGY PHYSICS, FEB 11 2020, DOI: 10.1007/JHEP02(2020)070	1 (Q1)	**0.01**
Evans J.A., et.al., “Exotic lepton-flavor violating Higgs decays”, JOURNAL OF HIGH ENERGY PHYSICS, JAN 7 2020, DOI: 10.1007/JHEP01(2020)028	1 (Q1)	**0.01**
Chiang C.W., et.al., “Displaced heavy neutrinos from Z ' decays at the LHC”, JOURNAL OF HIGH ENERGY PHYSICS, DEC 9 2019, DOI: 10.1007/JHEP12(2019)070	1 (Q1)	**0.01**
Citari ale articolului “Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP08(2019)033		
Andrews M., et.al., “End-to-end jet classification of quarks and gluons with the CMS Open Data”, NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, OCT 11 2020, DOI: 10.1016/j.nima.2020.164304	1 (Q3)	**0.00**
Steggemann J., “Extended Scalar Sectors”, ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70, 2020, DOI: 10.1146/annurev-nucl-032620-043846	1 (Q1)	**0.01**
Kogler R., et.al., “Jet substructure at the Large Hadron Collider”, REVIEWS OF MODERN PHYSICS, DEC 12 2019, DOI: 10.1103/RevModPhys.91.045003	1 (Q1)	**0.01**
Citari ale articolului “Search for scalar resonances decaying into mu(+)mu(-) in events with and without b-tagged jets produced in proton-proton collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP07(2019)117		
Botella F. J., et.al., “Electron and muon g-2 anomalies in general flavor conserving two-Higgs-doublet models”, PHYSICAL REVIEW D, AUG 24 2020, DOI: 10.1103/PhysRevD.102.035023	1 (Q1)	**0.01**
Steggemann J., “Extended Scalar Sectors”, ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70, 2020, DOI: 10.1146/annurev-nucl-032620-043846	1 (Q1)	**0.01**
Citari ale articolului “Measurement of VH, H -> b(b)over-bar production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP05(2019)141		
Baglio J., et.al., “Validity of standard model EFT studies of VH and VV production at NLO”, PHYSICAL REVIEW D, JUN 1 2020, DOI: 10.1103/PhysRevD.101.115004	1 (Q1)	**0.01**
Bednyakov V. A., Khramov E. V., “JINR Participation in the Physics Program of the ATLAS Experiment in 2015-2019 Period”, PHYSICS OF PARTICLES AND NUCLEI, MAR 2020, DOI: 10.1134/S1063779620020033	1 (Q4)	**0.00**
Citari ale articolului “Constraints on mediator-based dark matter and scalar dark energy models using root s= 13 TeV pp collision data collected by the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP05(2019)142		
Gondolo P., et.al., “Effects of primordial black holes on dark matter models”, PHYSICAL REVIEW D, NOV 17 2020, DOI: 10.1103/PhysRevD.102.095018	1 (Q1)	**0.01**
Guchait M., Roy A., “Light singlino dark matter at the LHC”, PHYSICAL REVIEW D, OCT 19 2020, DOI: 10.1103/PhysRevD.102.075023	1 (Q1)	**0.01**
Vattis K., et.al., “Could the 2.6 M-circle dot object in GW190814 be a primordial black hole?”, PHYSICAL REVIEW D, SEP 10 2020, DOI: 10.1103/PhysRevD.102.061301	1 (Q1)	**0.01**
Trojanowski S., et.al., “Dark matter relic density from conformally or disformally coupled light scalars”, PHYSICAL REVIEW D, JUL 27 2020, DOI: 10.1103/PhysRevD.102.023035	1 (Q1)	**0.01**
Mishra-Sharma S., et.al., “Power of halometry”, PHYSICAL REVIEW D, JUL 22 2020, DOI: 10.1103/PhysRevD.102.023026	1 (Q1)	**0.01**

Kang Y. J., Lee H. M., “Lightening gravity-mediated dark matter”, EUROPEAN PHYSICAL JOURNAL C, JUL 3 2020, DOI: 10.1140/epjc/s10052-020-8153-x	1 (Q1)	**0.01**
Habermehl M., et.al., “WIMP dark matter at the International Linear Collider”, PHYSICAL REVIEW D, APR 30 2020, DOI: 10.1103/PhysRevD.101.075053	1 (Q1)	**0.01**
Alexander S., et.al., “Deep Learning the Morphology of Dark Matter Substructure”, ASTROPHYSICAL JOURNAL, APR 10 2020, DOI: 10.3847/1538-4357/ab7925	1 (Q1)	**0.01**
Cho G. C., et.al., “Search for vector-mediated dark matter at the LHC with forward proton tagging”, PHYSICAL REVIEW D, FEB 18 2020, DOI: 10.1103/PhysRevD.101.035018	1 (Q1)	**0.01**
Coriano C., Frampton P. H., “Holographic principle, cosmological constant and cyclic cosmology”, MODERN PHYSICS LETTERS A, JAN 20 2020, DOI: 10.1142/S0217732319503553	1 (Q2)	**0.01**
Brehmer J., et.al., “Mining for Dark Matter Substructure: Inferring Subhalo Population Properties from Strong Lenses with Machine Learning”, ASTROPHYSICAL JOURNAL, NOV 20 2019, DOI: 10.3847/1538-4357/ab4c41	1 (Q1)	**0.01**
Lorenz J. M., “Supersymmetry and the collider dark matter picture”, MODERN PHYSICS LETTERS A, SEP 28 2019, DOI: 10.1142/S0217732319300052	1 (Q2)	**0.01**
Citari ale articolului “Combinations of single-top-quark production cross-section measurements and vertical bar f(LV)V(tb)vertical bar determinations at root s=7 and 8 TeV with the ATLAS and CMS experiments”, autor ATLAS (ATLAS Collaboration), Journal of High Energy Physics, https://doi.org/10.1007/JHEP05(2019)088		
Brown S., et.al., “Electroweak top couplings, partial compositeness, and top partner searches”, PHYSICAL REVIEW D, OCT 19 2020, DOI: 10.1103/PhysRevD.102.075021	1 (Q1)	**0.00**
Sirunyan A. M., et.al., “Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at root s=13 TeV”, PHYSICS LETTERS B, SEP 10 2020, DOI: 10.1016/j.physletb.2020.135609	1 (Q1)	**0.00**
Citari ale articolului “Search for long-lived, massive particles in events with a displaced vertex and a muon with large impact parameter in pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.102.032006		
Frank M., et.al., “Exploring 0 nu beta beta and leptogenesis in the alternative left-right model”, PHYSICAL REVIEW D, OCT 19 2020, DOI: 10.1103/PhysRevD.102.075020	1 (Q1)	**0.01**
Citari ale articolului “Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying into b-quarks at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.102.032004		
Chen N., et.al., “Type-I 2HDM under the Higgs and electroweak precision measurements”, JOURNAL OF HIGH ENERGY PHYSICS, AUG 26 2020, DOI: 10.1007/JHEP08(2020)131	1 (Q1)	**0.01**
Citari ale articolului “Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in root s=13 TeV pp collisions with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.101.072001		
Fiaschi J., Klasen M., “Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision”, PHYSICAL REVIEW D, NOV 20 2020, DOI: 10.1103/PhysRevD.102.095021	1 (Q1)	**0.01**
Goodsell M. D., et.al., “Constraining electroweakinos in the minimal Dirac gaugino model”, SCIPOST PHYSICS, OCT 2020, DOI: 10.21468/SciPostPhys.9.4.047	1 (Q1)	**0.01**
Wang K., Zhu J., “Funnel annihilations of light dark matter and the invisible decay of the Higgs boson”, PHYSICAL REVIEW D, MAY 20 2020, DOI: 10.1103/PhysRevD.101.095028	1 (Q1)	**0.01**
Citari ale articolului “Search for long-lived neutral particles produced in pp collisions at root s=13 TeV decaying into displaced hadronic jets in the ATLAS inner detector and muon spectrometer”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.101.052013		
Wang Z. S., Wang K. C., “Long-lived light neutralinos at future Z factories”, PHYSICAL REVIEW D, JUN 16 2020, DOI: 10.1103/PhysRevD.101.115018	1 (Q1)	**0.01**
Citari ale articolului “Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at root s=13 TeV”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.101.052007		
Mulligan J., Ploskon M., “Identifying groomed jet splittings in heavy-ion collisions”, PHYSICAL REVIEW C, OCT 28 2020, DOI: 10.1103/PhysRevC.102.044913	1 (Q2)	**0.01**
Chen H., et.al., “Rethinking jets with energy correlators: Tracks, resummation, and analytic continuation”, PHYSICAL REVIEW D, SEP 14 2020, DOI: 10.1103/PhysRevD.102.054012	1 (Q1)	**0.01**
Anderle D., et.al., “Groomed jet mass as a direct probe of collinear parton dynamics”, EUROPEAN PHYSICAL JOURNAL C, SEP 5 2020, DOI: 10.1140/epjc/s10052-020-8411-y	1 (Q1)	**0.01**
Kardos A., et.al., “Two- and three-loop data for the groomed jet mass”, PHYSICAL REVIEW D, JUN 30 2020, DOI: 10.1103/PhysRevD.101.114034	1 (Q1)	**0.01**
Citari ale articolului “Searches for electroweak production of supersymmetric particles with compressed mass spectra in root s=13 TeV pp collisions with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.101.052005		
Fiaschi J., Klasen M., “Higgsino and gaugino pair production at the LHC with aNNLO plus NNLL precision”, PHYSICAL REVIEW D, NOV 20 2020, DOI: 10.1103/PhysRevD.102.095021	1 (Q1)	**0.01**
Baer H., et.al., “The LHC higgsino discovery plane for present and future SUSY searches”, PHYSICS LETTERS B, NOV 10 2020, DOI: 10.1016/j.physletb.2020.135777	1 (Q1)	**0.01**
Cheung K., et.al., “Sensitivity reach on heavy neutral leptons and tau-neutrino mixing vertical bar U-tau N vertical bar(2) at the HL-LHC”, PHYSICAL REVIEW D, OCT 28 2020, DOI: 10.1103/PhysRevD.102.075038	1 (Q1)	**0.01**
Abdallah W., et.al., “terpretation of LHC results for new physics: status and recommendations after run 2”, SCIPOST PHYSICS, AUG 2020, DOI: 10.21468/SciPostPhys.9.2.022	1 (Q1)	**0.01**
Wang W. J., Han Z. L., “U(1)(B-3L alpha) extended scotogenic models and single-zero textures of neutrino mass matrices”, PHYSICAL REVIEW D, JUN 30 2020, DOI: 10.1103/PhysRevD.101.115040	1 (Q1)	**0.01**

Felea D., Mamuzic J., Maselek R., Mavromatos N.E., Mitsou V.A., Pinfold J.L., R.R. de Austri, Sakurai K., Santra A., Vives O., “Prospects for discovering supersymmetric long-lived particles with MoEDAL”, EUROPEAN PHYSICAL JOURNAL C, MAY 17 2020, DOI: 10.1140/epjc/s10052-020-7994-7	1 (Q1)	**0.01**
Pyarelal A., Su SF., “Higgs assisted razor search for Higgsinos at a 100 TeV pp collider”, SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, APR 17 2020, DOI: 10.1007/s11433-019-1517-5	1 (Q1)	**0.01**
Canepa A., et.al., “The Search for Electroweakinos”, ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70, 2020, DOI: 10.1146/annurev-nucl-031020-121031	1 (Q1)	**0.01**
Citari ale articolului “Search for direct stau production in events with two hadronic tau-leptons in root s=13 TeV pp collisions with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.101.032009		
Chakraborti M., et.al., “Improved (g-2)(mu) measurements and supersymmetry”, EUROPEAN PHYSICAL JOURNAL C, OCT 23 2020, DOI: 10.1140/epjc/s10052-020-08504-8	1 (Q1)	**0.01**
Abdallah W., et.al., “Reinterpretation of LHC results for new physics: status and recommendations after run 2”, AUG 2020, DOI: 10.21468/SciPostPhys.9.2.022	1 (Q1)	**0.01**
Wang K., Zhu J., “Funnel annihilations of light dark matter and the invisible decay of the Higgs boson”, PHYSICAL REVIEW D, MAY 20 2020, DOI: 10.1103/PhysRevD.101.095028	1 (Q1)	**0.01**
Steggemann J., “Extended Scalar Sectors”, ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70, 2020, DOI: 10.1146/annurev-nucl-032620-043846	1 (Q1)	**0.01**
Citari ale articolului “Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.100.052013		
Bigaran I., Volkas R. R., “Getting chirality right: Single scalar leptoquark solutions to the (g-2)(e,mu) puzzle”, PHYSICAL REVIEW D, OCT 28 2020, DOI: 10.1103/PhysRevD.102.075037	1 (Q1)	**0.01**
Pankov A. A., et.al., “High-precision limits on W-W ' and Z-Z ' mixing from diboson production using the full LHC Run 2 ATLAS data set”, EUROPEAN PHYSICAL JOURNAL C, JUN 5 2020, DOI: 10.1140/epjc/s10052-020-8075-7	1 (Q1)	**0.01**
Hou W. S., et.al., “Scalar leptoquark effects on B -> mu nu decay”, EUROPEAN PHYSICAL JOURNAL C, NOV 2019, DOI: 10.1140/epjc/s10052-019-7490-0	1 (Q1)	**0.01**
Citari ale articolului “Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.100.032007		
Sirunyan A. M., et.al., “Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at root s=13 TeV”, PHYSICS LETTERS B, OCT 10 2020, DOI: 10.1016/j.physletb.2020.135710	1 (Q1)	**0.01**
Yap Y. C., “Recent observation and measurements of diboson processes from the ATLAS experiment”, MODERN PHYSICS LETTERS A, SEP 14 2020, DOI: 10.1142/S021773232030013X	1 (Q2)	**0.01**
Penc O., “Observation and measurements of vector-boson scattering with the ATLAS detector”, PHYSICA SCRIPTA, AUG 2020, DOI: 10.1088/1402-4896/aba0f6	1 (Q2)	**0.01**
Garcia-Garcia C., et.al., “Unitarization effects in EFT predictions of WZ scattering at the LHC”, PHYSICAL REVIEW D, NOV 8 2019, DOI: 10.1103/PhysRevD.100.096003	1 (Q1)	**0.01**
Citari ale articolului “Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICAL REVIEW D, https://doi.org/10.1103/PhysRevD.100.012006		
Abdallah W., et.al., “Reinterpretation of LHC results for new physics: status and recommendations after run 2”, AUG 2020, DOI: 10.21468/SciPostPhys.9.2.022	1 (Q1)	**0.01**
Wang K., Zhu J., “Funnel annihilations of light dark matter and the invisible decay of the Higgs boson”, PHYSICAL REVIEW D, MAY 20 2020, DOI: 10.1103/PhysRevD.101.095028	1 (Q1)	**0.01**
Azuelos G., et.al., “Search for the SUSY electroweak sector at ep colliders”, PHYSICAL REVIEW D, MAY 13 2020, DOI: 10.1103/PhysRevD.101.095015	1 (Q1)	**0.01**
Dutta J., et.al., “Identifying a Higgsino-like NLSP in the context of a keV-scale gravitino LSP”, PHYSICAL REVIEW D, APR 22 2020, DOI: 10.1103/PhysRevD.101.075040	1 (Q1)	**0.01**
Pyarelal A., Su SF., “Higgs assisted razor search for Higgsinos at a 100 TeV pp collider”, SCIENCE CHINA-PHYSICS MECHANICS & ASTRONOMY, APR 17 2020, DOI: 10.1007/s11433-019-1517-5	1 (Q1)	**0.01**
Todome K., “Search for chargino neutralino production in final states with a W boson and Higgs boson”, NUOVO CIMENTO C-COLLOQUIA AND COMMUNICATIONS IN PHYSICS, MAR-JUN 2020, DOI: 10.1393/ncc/i2020-20102-8	1	**0.00**
Canepa A., et.al., “The Search for Electroweakinos”, ANNUAL REVIEW OF NUCLEAR AND PARTICLE SCIENCE, VOL 70, 2020, DOI: 10.1146/annurev-nucl-031020-121031	1 (Q1)	**0.01**
Lorenz J. M., “Supersymmetry and the collider dark matter picture”, MODERN PHYSICS LETTERS A, SEP 28 2019, DOI: 10.1142/S0217732319300052	1 (Q2)	**0.01**
Citari ale articolului “Test of CP invariance in vector-boson fusion production of the Higgs boson in the H -> tau tau channel in proton-proton collisions at root s=13TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2020.135426		
Ordek S., “INVESTIGATION OF THE CP PROPERTIES OF VBF HIGGS PRODUCTION USING THE DECAY TO A PAIR OF TAU LEPTONS WITH THE ATLAS DETECTOR”, ACTA PHYSICA POLONICA B, 2020, DOI: 10.5506/APhysPolB.51.1497	1 (Q4)	**0.00**
Citari ale articolului “Evidence for electroweak production of two jets in association with a Z gamma pair in pp collisions at root S=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2020.135341		
Yap Y. C., “Recent observation and measurements of diboson processes from the ATLAS experiment”, MODERN PHYSICS LETTERS A, SEP 14 2020, DOI: 10.1142/S021773232030013X	1 (Q2)	**0.01**

Sirunyan A. M., et.al., “Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at root s=13TeV and constraints on anomalous quartic couplings”, JOURNAL OF HIGH ENERGY PHYSICS, JUN 10 2020, DOI: 10.1007/JHEP06(2020)076	1 (Q1)	**0.01**
Campanario F., et.al., “Diphoton production in vector-boson scattering at the LHC at next-to-leading order QCD”, JOURNAL OF HIGH ENERGY PHYSICS, JUN 9 2020, DOI: 10.1007/JHEP06(2020)072	1 (Q1)	**0.01**
Citari ale articolului “Combination of searches for Higgs boson pairs in pp collisions at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2019.135103		
Mangano M. L., et.al., “Measuring the Higgs self-coupling via Higgs-pair production at a 100 TeV p-p collider”, EUROPEAN PHYSICAL JOURNAL C, NOV 8 2020, DOI: 10.1140/epjc/s10052-020-08595-3	1 (Q1)	**0.01**
Arco F., et.al., “Exploring sizable triple Higgs couplings in the 2HDM”, EUROPEAN PHYSICAL JOURNAL C, SEP 24 2020, DOI: 10.1140/epjc/s10052-020-8406-8	1 (Q1)	**0.01**
Sano Y., “ATLAS searches for di-Higgs production at 13 TeV and prospects for HL-LHC”, PHYSICA SCRIPTA, AUG 2020, DOI: 10.1088/1402-4896/ab9f78	1 (Q2)	**0.01**
Arcadi G., et.al., “The Higgs -portal for vector dark matter and the effective field theory approach: A reappraisal”, PHYSICS LETTERS B, JUN 10 2020, DOI: 10.1016/j.physletb.2020.135427	1 (Q1)	**0.01**
Lane K., Pilon E., “Phenomenology of the new light Higgs bosons in Gildener-Weinberg models”, PHYSICAL REVIEW D, MAR 26 2020, DOI: 10.1103/PhysRevD.101.055032	1 (Q1)	**0.01**
Robens T., et.al., “Two-real-scalar-singlet extension of the SM: LHC phenomenology and benchmark scenarios”, EUROPEAN PHYSICAL JOURNAL C, FEB 19 2020, DOI: 10.1140/epjc/s10052-020-7655-x	1 (Q1)	**0.01**
Rindani S. D., Singh B., “Indirect measurement of triple-Higgs coupling at an electron-positron collider with polarized beams”, INTERNATIONAL JOURNAL OF MODERN PHYSICS A, FEB 10 2020, DOI: 10.1142/S0217751X20500116	1 (Q3)	**0.00**
Gray H., Janot P., “A perspective of High Energy Physics from precision measurements”, COMPTES RENDUS PHYSIQUE, 2020, DOI: 10.5802/crphys.8	1 (Q2)	**0.01**
Citari ale articolului “Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb(-1) of pp collisions at root s=13 TeV with the ATLAS experiment”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2019.135082		
Tan Y., Yue C. X., “Anomalous tq gamma Couplings and Radiative B Meson Decays”, CHINESE PHYSICS LETTERS, OCT 2020, DOI: 10.1088/0256-307X/37/10/101301	1 (Q3)	**0.00**
Bruscino N., “Top quark physics with the ATLAS detector: recent highlights”, PHYSICA SCRIPTA, SEP 2020, DOI: 10.1088/1402-4896/abafca	1 (Q2)	**0.01**
Barros M., et.al., “Study of interference effects in the search for flavour-changing neutral current interactions involving the top quark and a photon or a Z boson at the LHC”, EUROPEAN PHYSICAL JOURNAL PLUS, MAR 30 2020, DOI: 10.1140/epjp/s13360-020-00346-3	1 (Q1)	**0.01**
Citari ale articolului “Searches for lepton-flavour-violating decays of the Higgs boson in root s=13 TeV pp collisions with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2019.135069		
Hou W. S., Kumar G., “Coming decade of h -> tau mu and tau -> mu gamma interplay in tau flavor violation search”, PHYSICAL REVIEW D, MAY 14 2020, DOI: 10.1103/PhysRevD.101.095017	1 (Q1)	**0.01**
Hong T. T., et.al., “Lepton-flavor-violating decays of the SM-like Higgs boson h -> e(i)e(j), and e(i) -> e(j)gamma in a flipped 3-3-1 model”, PROGRESS OF THEORETICAL AND EXPERIMENTAL PHYSICS, APR 2020, DOI: 10.1093/ptep/ptaa026	1 (Q2)	**0.01**
Primulando R., et.al., “Collider constraints on lepton flavor violation in the 2HDM”, PHYSICAL REVIEW D, MAR 20 2020, DOI: 10.1103/PhysRevD.101.055021	1 (Q1)	**0.01**
Marcano X, Morales R. A., “Flavor Techniques for LFV Processes: Higgs Decays in a General Seesaw Model”, FRONTIERS IN PHYSICS, JAN 23 2020, DOI: 10.3389/fphy.2019.00228	1 (Q2)	**0.01**
Citari ale articolului “Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at root s=13 TeV”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2019.134942		
Senjanovic G., “Natural philosophy versus philosophy of naturalness”, MODERN PHYSICS LETTERS A, JUN 14 2020, DOI: 10.1142/S0217732320300062	1 (Q2)	**0.01**
Aguilar-Saavedra J. A., Zaldivar B., “Jet tagging made easy”, EUROPEAN PHYSICAL JOURNAL C, JUN 13 2020, DOI: 10.1140/epjc/s10052-020-8082-8	1 (Q1)	**0.01**
Senapati S., et.al., “A comparative study of 0 nu beta beta decay in symmetric and asymmetric left-right model”, NUCLEAR PHYSICS B, MAY 2020, DOI: 10.1016/j.nuclphysb.2020.115000	1 (Q2)	**0.01**
Dev P. S. B., et.al., “Constraints on long-lived light scalars with flavor-changing couplings and the KOTO anomaly”, PHYSICAL REVIEW D, APR 8 2020, DOI: 10.1103/PhysRevD.101.075014	1 (Q1)	**0.01**
Senjanovic G., Tello V., “Parity and the origin of neutrino mass”, INTERNATIONAL JOURNAL OF MODERN PHYSICS A, MAR 30 2020, DOI: 10.1142/S0217751X20500530	1 (Q3)	**0.01**
Senjanovic G., Tello V., “Disentangling the seesaw mechanism in the minimal left-right symmetric model”, PHYSICAL REVIEW D, DEC 18 2019, DOI: 10.1103/PhysRevD.100.115031	1 (Q1)	**0.01**
Citari ale articolului “Evidence for the production of three massive vector bosons with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2019.134913		
Arbuzov B. A., “The Bogolyubov Compensation Principle and Anomalous Interactions of Electroweak Bosons”, PHYSICS OF PARTICLES AND NUCLEI, JUL 2020, DOI: 10.1134/S1063779620040085	1 (Q4)	**0.00**
Citari ale articolului “Search for high-mass dilepton resonances using 139 fb(-1) of pp collision data collected at root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2019.07.016		
Antusch S., et.al., “Probing Z ' mediated charged lepton flavor violation with taus at the LHeC”, PHYSICS LETTERS B, NOV 10 2020, DOI: 10.1016/j.physletb.2020.135796	1 (Q1)	**0.01**
Aaboud M., et.al., “Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector”, JOURNAL OF HIGH ENERGY PHYSICS, NOV 4 2020, DOI: 10.1007/JHEP11(2020)005	1 (Q1)	**0.01**

Barnes P., et.al., “Simple hidden sector dark matter”, PHYSICAL REVIEW D, OCT 16 2020, DOI: 10.1103/PhysRevD.102.075019	1 (Q1)	**0.01**
Casas J. A., et.al., “UV completion of an axial, leptophobic, Z ‘”, PHYSICS LETTERS B, OCT 10 2020, DOI: 10.1016/j.physletb.2020.135721	1 (Q1)	**0.01**
Cornell A. S., et.al., “Future lepton collider prospects for a ubiquitous composite pseudoscalar”, PHYSICAL REVIEW D, AUG 31 2020, DOI: 10.1103/PhysRevD.102.035030	1 (Q1)	**0.01**
Remmen G. N., Rodd N. L., “Flavor Constraints from Unitarity and Analyticity”, PHYSICAL REVIEW LETTERS, AUG 19 2020, DOI: 10.1103/PhysRevLett.125.081601	1 (Q1)	**0.01**
Afik Y., et.al., “Searching for New Physics with b(b)over-barl(+)l(-) contact interactions”, PHYSICS LETTERS B, AUG 10 2020, DOI: 10.1016/j.physletb.2020.135541	1 (Q1)	**0.01**
Abdallah W., et.al., “Reinterpretation of LHC results for new physics: status and recommendations after run 2”, AUG 2020, DOI: 10.21468/SciPostPhys.9.2.022	1 (Q1)	**0.01**
Dror J. A., et.al., “Sterile neutrino dark matter in left-right theories”, JOURNAL OF HIGH ENERGY PHYSICS, JUL 23 2020, DOI: 10.1007/JHEP07(2020)168	1 (Q1)	**0.01**
Wang W. J., Han Z. L., “U(1)(B-3L alpha) extended scotogenic models and single-zero textures of neutrino mass matrices”, PHYSICAL REVIEW D, JUN 30 2020, DOI: 10.1103/PhysRevD.101.115040	1 (Q1)	**0.01**
Nanda D., Borah D., “Connecting light dirac neutrinos to a multi-component dark matter scenario in gauged B - L model”, EUROPEAN PHYSICAL JOURNAL C, JUN 19 2020, DOI: 10.1140/epjc/s10052-020-8122-4	1 (Q1)	**0.01**
Choudhury D., et.al., “Neutrino and Z ' phenomenology in an anomaly-free U(1) extension: role of higher-dimensional operators”, JOURNAL OF HIGH ENERGY PHYSICS, JUN 17 2020, DOI: 10.1007/JHEP06(2020)111	1 (Q1)	**0.01**
Pankov A. A., et.al., “High-precision limits on W-W ' and Z-Z ' mixing from diboson production using the full LHC Run 2 ATLAS data set”, EUROPEAN PHYSICAL JOURNAL C, JUN 5 2020, DOI: 10.1140/epjc/s10052-020-8075-7	1 (Q1)	**0.01**
Ahmed A., et.l., “A minimal model for neutral naturalness and pseudo-Nambu-Goldstone dark matter”, JOURNAL OF HIGH ENERGY PHYSICS, JUN 1 2020, DOI: 10.1007/JHEP06(2020)007	1 (Q1)	**0.01**
Frank M., et.al., “E-6 motivated UMSSM confronts experimental data”, JOURNAL OF HIGH ENERGY PHYSICS, MAY 25 2020, DOI: 10.1007/JHEP05(2020)123	1 (Q1)	**0.01**
Guzzi M., Kidonakis N., “t Z ' production at hadron colliders”, EUROPEAN PHYSICAL JOURNAL C, MAY 25 2020, DOI: 10.1140/epjc/s10052-020-8028-1	1 (Q1)	**0.01**
Desai N., et.al., “Suppressed flavor violation in lepton flavored dark matter from an extra dimension”, PHYSICAL REVIEW D, APR 23 2020, DOI: 10.1103/PhysRevD.101.075043	1 (Q1)	**0.01**
Miranda O. G., et.al., “Probing new neutral gauge bosons with CE nu NS and neutrino-electron scattering”, PHYSICAL REVIEW D, APR 21 2020, DOI: 10.1103/PhysRevD.101.073005	1 (Q1)	**0.01**
Barman B., et.al., “Minimal model of torsion mediated dark matter”, PHYSICAL REVIEW D, APR 10 2020, DOI: 10.1103/PhysRevD.101.075017	1 (Q1)	**0.01**
Accomando E., et.al., “Production of Z '-boson resonances with large width at the LHC”, PHYSICS LETTERS B, APR 10 2020, DOI: 10.1016/j.physletb.2020.135293	1 (Q1)	**0.01**
Hirsch M., Wang Z. S., “Heavy neutral leptons at ANUBIS”, PHYSICAL REVIEW D, MAR 30 2020, DOI: 10.1103/PhysRevD.101.055034	1 (Q1)	**0.01**
Das A., et.al., “Constraining a general U(1)' inverse seesaw model from vacuum stability, dark matter, and collider”, PHYSICAL REVIEW D, MAR 20 2020, DOI: 10.1103/PhysRevD.101.055026	1 (Q1)	**0.01**
Kahlhoefer F., et.al., “Interference effects in dilepton resonance searches for Z ' bosons and dark matter mediators”, JOURNAL OF HIGH ENERGY PHYSICS, MAR 18 2020, DOI: 10.1007/JHEP03(2020)104	1 (Q1)	**0.01**
Leite J., et.al., “A theory for scotogenic dark matter stabilised by residual gauge symmetry”, PHYSICS LETTERS B, MAR 10 2020, DOI: 10.1016/j.physletb.2020.135254	1 (Q1)	**0.01**
Beauchesne H., Kats Y., “Searching for periodic signals in kinematic distributions using continuous wavelet transforms”, EUROPEAN PHYSICAL JOURNAL C, MAR 2 2020, DOI: 10.1140/epjc/s10052-020-7746-8	1 (Q1)	**0.01**
Dysch S., Wyatt T. R., “A self-calibrating, double-ratio method to test tau lepton universality in W boson decays at the LHC”, EUROPEAN PHYSICAL JOURNAL C, FEB 20 2020, DOI: 10.1140/epjc/s10052-020-7696-1	1 (Q1)	**0.01**
Kawamura J., et.al., “Complete vectorlike fourth family with U(1)': A global analysis”, PHYSICAL REVIEW D, FEB 19 2020, DOI: 10.1103/PhysRevD.101.035026	1 (Q1)	**0.01**
Calle J., et.al., “Dirac neutrino mass generation from a Majorana messenger”, PHYSICAL REVIEW D, FEB 6 2020, DOI: 10.1103/PhysRevD.101.035004	1 (Q1)	**0.01**
Long M. M., et.al., “ZH -> H-0 gamma decay within the littlest Higgs model at O(alpha(3)(ew)alpha(s)) accuracy”, JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS, FEB 2020, DOI: 10.1088/1361-6471/ab5541	1 (Q2)	**0.01**
Rueter T. D., Rizzo T. G., “Towards a UV model of kinetic mixing and portal matter”, PHYSICAL REVIEW D, JAN 24 2020, DOI: 10.1103/PhysRevD.101.015014	1 (Q1)	**0.01**
Altmannshofer W., et.al., “Gauging the accidental symmetries of the standard model, and implications for the flavor anomalies”, PHYSICAL REVIEW D, JAN 7 2020, DOI: 10.1103/PhysRevD.101.015004	1 (Q1)	**0.01**
Cheong S., et.al., “Parametrizing the detector response with neural networks”, JOURNAL OF INSTRUMENTATION, JAN 2020, DOI: 10.1088/1748-0221/15/01/P01030	1 (Q3)	**0.00**
Nottensteiner F., et.al., “Classification of anomaly-free 2HDMs with a gauged U(1)' symmetry”, PHYSICAL REVIEW D, DEC 23 2019, DOI: 10.1103/PhysRevD.100.115038	1 (Q1)	**0.01**
Facini G., et.al., “On the model dependence of fiducial cross-section measurements”, MODERN PHYSICS LETTERS A, DEC 14 2019, DOI: 10.1142/S0217732320500650	1 (Q2)	**0.01**
Biswas A., et.al., “Type III seesaw for neutrino masses in U(1)(B-L) model with multi-component dark matter”, JOURNAL OF HIGH ENERGY PHYSICS, DEC 13 2019, DOI: 10.1007/JHEP12(2019)109	1 (Q1)	**0.01**
Deppisch F. F., et.al., “Searching for a light Z ' through Higgs production at the LHC”, PHYSICAL REVIEW D, DEC 11 2019, DOI: 10.1103/PhysRevD.100.115023	1 (Q1)	**0.01**
Chiang C. W., et.al., “Displaced heavy neutrinos from Z ' decays at the LHC”, JOURNAL OF HIGH ENERGY PHYSICS, DEC 9 2019, DOI: 10.1007/JHEP12(2019)070	1 (Q1)	**0.01**

Frank M., et.al., “Dark matter and collider signals in supersymmetric U(1)' models with nonuniversal Z ' couplings”, PHYSICAL REVIEW D, DEC 9 2019, DOI: 10.1103/PhysRevD.100.115018	1 (Q1)	**0.01**
Han T., et.al., “Nonstandard neutrino interactions at COHERENT, DUNE, T2HK and LHC”, JOURNAL OF HIGH ENERGY PHYSICS, NOV 6 2019, DOI: 10.1007/JHEP11(2019)028	1 (Q1)	**0.01**
Okada N., et.al., “Fermion mass hierarchy and phenomenology in the 5D Domain Wall Standard Model”, JOURNAL OF HIGH ENERGY PHYSICS, OCT 28 2019, DOI: 10.1007/JHEP10(2019)259	1 (Q1)	**0.01**
Hung H. T., et.al., “Neutral Higgs boson decays H -> Z gamma,gamma gamma in 3-3-1 models”, PHYSICAL REVIEW D, OCT 14 2019, DOI: 10.1103/PhysRevD.100.075014	1 (Q1)	**0.01**
Bhattacherjee B., et.al., “Anatomy of heavy gauge bosons in a left-right supersymmetric model”, PHYSICAL REVIEW D, OCT 10 2019, DOI: 10.1103/PhysRevD.100.075010	1 (Q1)	**0.01**
Serra J., et.al., “Hypercharged naturalness”, JOURNAL OF HIGH ENERGY PHYSICS, OCT 7 2019, DOI: 10.1007/JHEP10(2019)060	1 (Q1)	**0.01**
Kawamura J., et.al., “Complete vectorlike fourth family and new U(1)' for muon anomalies”, PHYSICAL REVIEW D, SEP 18 2019, DOI: 10.1103/PhysRevD.100.055030	1 (Q1)	**0.01**
Huang C. T., et.al., “Consistency of gauged two Higgs doublet model: gauge sector”, JOURNAL OF HIGH ENERGY PHYSICS, SEP 6 2019, DOI: 10.1007/JHEP09(2019)048	1 (Q1)	**0.01**
Chacko Z., et.al., “Collider signals of the Mirror Twin Higgs boson through the hypercharge portal”, PHYSICAL REVIEW D, AUG 29 2019, DOI: 10.1103/PhysRevD.100.03503	1 (Q1)	**0.01**
Citari ale articolului “Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions root s=13 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), PHYSICS LETTERS B, https://doi.org/10.1016/j.physletb.2019.03.067		
Kang Y. J., Lee H. M., “Lightening gravity-mediated dark matter”, EUROPEAN PHYSICAL JOURNAL C, JUL 3 2020, DOI: 10.1140/epjc/s10052-020-8153-x	1 (Q1)	**0.01**
Aaboud M., et.al., “Search for dijet resonances in events with an isolated charged lepton using root s=13 TeV proton-proton collision data collected by the ATLAS detector”, JOURNAL OF HIGH ENERGY PHYSICS, JUN 25 2020, DOI: 10.1007/JHEP06(2020)151	1 (Q1)	**0.01**
Kim J. H., et.al., “The motivation and status of two-body resonance decays after the LHC Run 2 and beyond”, JOURNAL OF HIGH ENERGY PHYSICS, APR 6 2020, DOI: 10.1007/JHEP04(2020)030	1 (Q1)	**0.01**
Bernreuther E., et.al., “Strongly interacting dark sectors in the early Universe and at the LHC through a simplified portal”, JOURNAL OF HIGH ENERGY PHYSICS, JAN 27 2020, DOI: 10.1007/JHEP01(2020)162	1 (Q1)	**0.01**
Sirunyan A. M., et.al., “Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at root s=13 Tev”, PHYSICAL REVIEW D, DEC 20 2019, DOI: 10.1103/PhysRevD.100.112007	1 (Q1)	**0.01**
Dasgupta A., et.al., “Radiative Dirac neutrino mass, neutrinoless quadruple beta decay, and dark matter in B - L extension of the standard model”, PHYSICAL REVIEW D, OCT 23 2019, DOI: 10.1103/PhysRevD.100.075030	1 (Q1)	**0.01**
Citari ale articolului “Measurement of the azimuthal anisotropy of charged-particle production in Xe plus Xe collisions at root S-NN=5.44 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Physical Review C, https://doi.org/10.1103/PhysRevC.101.024906		
Giacalone G., “Constraining the quadrupole deformation of atomic nuclei with relativistic nuclear collisions”, PHYSICAL REVIEW C, AUG 3 2020, DOI: 10.1103/PhysRevC.102.024901	1 (Q2)	**0.01**
Giacalone G., “Observing the Deformation of Nuclei with Relativistic Nuclear Collisions”, PHYSICAL REVIEW LETTERS, MAY 19 2020, DOI: 10.1103/PhysRevLett.124.202301	1 (Q1)	**0.01**
Citari ale articolului “Measurement of angular and momentum distributions of charged particles within and around jets in Pb plus Pb and pp collisions at root s(NN)=5.02 TeV with the ATLAS detector”, autor ATLAS (ATLAS Collaboration), Physical Review C, https://doi.org/10.1103/PhysRevC.100.064901		
Aad G., “Measurement of angular and momentum distributions of charged particles within and around jets in Pb + Pb and pp collisions at root s(NN) = 5.02 TeV with the ATLAS detector (vol 100, 064901, 2019)”, PHYSICAL REVIEW C, MAY 27 2020, DOI: 10.1103/PhysRevC.101.059903	1 (Q2)	**0.01**
Dorau P., et.al., “Jet quenching in the hadron gas: An exploratory study”, PHYSICAL REVIEW C, MAR 19 2020, DOI: 10.1103/PhysRevC.101.035208	1 (Q2)	**0.01**
Karpenko I., et.al., “Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape”, PHYSICAL REVIEW C, JAN 9 2020, DOI: 10.1103/PhysRevC.101.014905	1 (Q2)	**0.01**
A3.1.2. Citări în cărți, reviste și volume ale unor manifestări științifice - BDI		**Punctaj**
Citari ale articolului: R.-M. Coliban, S. Popa, T. Tulbure, D. Nicula, M. Ivanovici, S. Martoiu, L. Levinson and J. Vermeulen, “The Read Out Controller for the ATLAS New Small Wheel”, JINST, 11 C02069, 23 February 2016, https://doi.org/10.1088/1748-0221/11/02/C02069		
Shuang Zhou, Feng Li, Peng Miao, Xinxin Wang, Naijie Zhang, Liang Han, Ge Jin, “A Trigger Inspection Platform for sTGC Detector Front-End Electronic Boards”, 2020 IEEE 3rd International Conference on Electronics Technology (ICET), 8-12 May 2020, Chengdu, China, ISBN:978-1-7281-6284-3, https://doi.org/10.1109/ICET49382.2020.9119518	1	**0.50**
G. Unel, “FELIX: the New Detector Readout System for the ATLAS Experiment”, Topical Workshop on Electronics for Particle Physics (TWEPP2018), July 2019, https://doi.org/10.22323/1.343.0140	1	**0.50**
Fabian Kuger, “Signal Formation Processes in Micromegas Detectors and Quality Control for large size Detector Construction for the ATLAS New Small Wheel”, 2017, Thesis, https://cds.cern.ch/record/2277011, https://arxiv.org/abs/1708.01624	1	**0.50**
Reid F. Pinkham, “Automatic Testing of the Trigger Data Serializer ASIC for the Upgrade of the ATLAS Muon Spectrometer”, April 2017, Thesis, http://cds.cern.ch/record/2270002/files/CERN-THESIS-2017-067.pdf?version=1	1	**0.50**
Citarile BDI a articolelor in care apara ca autor ATLAS (a se vedea celalalt tabel)		
Citari ale articolului: Combined measurements of Higgs boson production and decay using up to 80 fb-1 of proton-proton collision data at root s =13 TeV collected with the ATLAS experiment, PHYSICAL REVIEW D, JAN 3 2020, https://doi.org/10.1103/PhysRevD.101.012002	32	**0.04**
Citari ale articolului: Combination of searches for Higgs boson pairs in pp collisions at s=13TeV with the ATLAS detector, PHYSICS LETTERS B, JAN 10 2020, https://doi.org/10.1016/j.physletb.2019.135103	16	**0.02**

Citari ale articolului: Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data, JOURNAL OF INSTRUMENTATION, DEC 2019, https://doi.org/10.1088/1748-0221/14/12/P12006	26	**0.04**
Citari ale articolului: Observation of Light-by-Light Scattering in Ultraperipheral Pb+Pb Collisions with the ATLAS Detector, PHYSICAL REVIEW LETTERS, JUL 31 2019, https://doi.org/10.1103/PhysRevLett.123.052001	6	**0.01**
Citari ale articolului: Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in root s=13 TeV pp collisions using the ATLAS detector, EUROPEAN PHYSICAL JOURNAL C, FEB 14 2020, https://doi.org/10.1140/epjc/s10052-019-7450-8	2	**0.00**
Citari ale articolului: Measurement of fiducial and differential W+W- production cross-sections at root s=13 TeV with the ATLAS detector, EUROPEAN PHYSICAL JOURNAL C, OCT 2019, https://doi.org/10.1140/epjc/s10052-019-7371-6	3	**0.00**
Citari ale articolului: Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from pp collisions at root s=13 TeV with the ATLAS detector, PHYSICAL REVIEW D, SEP 23 2019, https://doi.org/10.1103/PhysRevD.100.052013	10	**0.01**
Citari ale articolului: Search for new resonances in mass distributions of jet pairs using 139 fb−1 of pp collisions at root s = 13 TeV with the ATLAS detector, JOURNAL OF HIGH ENERGY PHYSICS, MAR 25 2020, https://doi.org/10.1007/JHEP03(2020)145	9	**0.01**
Citari ale articolului: Search for high-mass dilepton resonances using 139 fb(-1) of pp collision data collected at root s=13 TeV with the ATLAS detector, PHYSICS LETTERS B, SEP 10 2020, https://doi.org/10.1016/j.physletb.2019.07.016	5	**0.01**
Citari ale articolului: Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions root s=13 TeV with the ATLAS detector, PHYSICS LETTERS B, AUG 10 2019, https://doi.org/10.1016/j.physletb.2019.03.067	6	**0.01**
Citari ale articolului: Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at root s=13 TeV with the ATLAS detector, JOURNAL OF HIGH ENERGY PHYSICS, AUG 6 2019, https://doi.org/10.1007/JHEP08(2019)033	10	**0.01**
Citari ale articolului: Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment, PHYSICAL REVIEW LETTERS, JUN 13 2019, https://doi.org/10.1103/PhysRevLett.122.231801	25	**0.03**
Citari ale articolului: Combinations of single-top-quark production cross-section measurements and vertical bar f(LV)V(tb)vertical bar determinations at root s=7 and 8 TeV with the ATLAS and CMS experiments, JOURNAL OF HIGH ENERGY PHYSICS, MAY 16 2019, https://doi.org/10.1007/JHEP05(2019)088	6	**0.00**
Citari ale articolului: Measurement of VH, H -> b(b)over-bar production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector, JOURNAL OF HIGH ENERGY PHYSICS, MAY 23 2019, https://doi.org/10.1007/JHEP05(2019)141	9	**0.01**
A3.2. Membru în colective de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate - ISI		**Punctaj**
		0.00
A3.3 Membru în colective de redacție sau comitete științifice al revistelor, organizator de manifestări științifice, internaționale indexate - BDI		**Punctaj**
		0.00
A3.4 Premii Academia Romana, ASTR, academii de ramura, premii internationale		**Punctaj**
		0.00
Total		**11.53**

Total		**121.81**

Condiții minimale pentru cercetator stiintific gradul II	**Minim**	**Obținut**
A1 >= 100	**0**	**0.00**
A2 >= 500	**350**	**110.27**
A3 >=100	**50**	**11.53**
TOTAL	**400**	**121.81**