1) Neutrino elastic scattering on polarized electrons as tool for probing neutrino nature.
By A. Błaut, W. Sobków.
[arXiv:1812.09828 [hep-ph]].

2) Noncommutative Fourier transform for the Lorentz group via the Duflo map.
By Daniele Oriti, Giacomo Rosati.
[arXiv:1812.08616 [hep-th]].
10.1103/PhysRevD.99.106005.
Phys.Rev. D99 (2019) no.10, 106005.

3) Unification of dark energy and dark matter from diffusive cosmology.
By David Benisty, Eduardo Guendelman, Zbigniew Haba.
[arXiv:1812.06151 [gr-qc]].
10.1103/PhysRevD.99.123521.
Phys.Rev. D99 (2019) no.12, 123521.

4) κ-deformed BMS symmetry.
By Andrzej Borowiec, Lennart Brocki, Jerzy Kowalski-Glikman, Josua Unger.
[arXiv:1811.05360 [hep-th]].
10.1016/j.physletb.2019.01.063.
Phys.Lett. B790 (2019) 415-420.

5) Stochastic wave equation with thermal noise in an expanding universe.
By Z. Haba.
[arXiv:1810.09375 [gr-qc]].
10.1016/j.physletb.2019.04.003.
Phys.Lett. B792 (2019) 320-323.

6) Spectrum of a stochastic diffusion in an expanding universe.
By Z. Haba.
[arXiv:1810.07709 [gr-qc]].

7) Palatini frames in scalar–tensor theories of gravity.
By Aleksander Kozak, Andrzej Borowiec.
[arXiv:1808.05598 [hep-th]].
10.1140/epjc/s10052-019-6836-y.
Eur.Phys.J. C79 (2019) no.4, 335.

8) Precision calculations in BSM theories — Higgs mass and Muon $g - 2$.
By Adriano Cherchiglia, Hyejung Stöckinger-Kim, Josua Unger, Dominik Stöckinger.
10.22323/1.303.0025.
PoS LL2018 (2018) 025.

9) Chaos synchronization of canonically and Lie-algebraically deformed Henon-Heiles systems by active control.
By Marcin Daszkiewicz.
[arXiv:1807.08124 [nlin.CD]].
10.5506/APhysPolB.49.1459.
Acta Phys.Polon. B49 (2018) 1459.

10) Two-particle system in Coulomb potential for twist-deformed space-time.
By Marcin Daszkiewicz.
[arXiv:1807.04166 [hep-th]].
10.1088/1402-4896/aacba4.
Phys.Scripta 93 (2018) no.8, 085202.

11) Statistical physics of the inflaton decaying in an inhomogeneous random environment.
By Z. Haba.
[arXiv:1807.00639 [hep-th]].
10.1155/2018/7204952.
Adv.High Energy Phys. 2018 (2018) 7204952.

12) Noncommutative Sprott systems and their jerk dynamics.
By Marcin Daszkiewicz.
[arXiv:1806.08357 [nlin.CD]].
10.1142/S0217732318501006.
Mod.Phys.Lett. A33 (2018) no.18, 1850100.

13) Parameter estimation accuracies of Galactic binaries with eLISA.
By Arkadiusz Błaut.
[arXiv:1901.10141 [gr-qc]].
10.1016/j.astropartphys.2018.04.001.
Astropart.Phys. 101 (2018) 17-26.

14) A simple model for explaining Galaxy Rotation Curves.
By Aneta Wojnar, Ciprian A. Sporea, Andrzej Borowiec.
[arXiv:1804.09620 [gr-qc]].
10.3390/galaxies6030070.
Galaxies 6 (2018) no.3, 70.

15) Three-loop MSSM Higgs-boson mass predictions and regularization by dimensional reduction.
By Dominik Stöckinger, Josua Unger.
[arXiv:1804.05619 [hep-ph]].
10.1016/j.nuclphysb.2018.08.005.
Nucl.Phys. B935 (2018) 1-16.

16) Pauli energy spectrum for twist-deformed space-time.
By Marcin Daszkiewicz.
[arXiv:1804.03817 [hep-th]].
10.1142/S0217732318500542.
Mod.Phys.Lett. A33 (2018) no.10n11, 1850054.

17) N = 2 Supercomplexification of the Korteweg-de Vries, Sawada-Kotera and Kaup-Kupershmidt Equations.
By Ziemowit Popowicz.
[arXiv:1803.08737 [nlin.SI]].
10.1080/14029251.2019.1591732.
J.Nonlin.Math.Phys. 26 (2019) no.2, 294-312.

18) Local version of the no-hair theorem.
By Denis Dobkowski-Ryłko, Jerzy Lewandowski, Tomasz Pawłowski.
[arXiv:1803.05463 [gr-qc]].
10.1103/PhysRevD.98.024008.
Phys.Rev. D98 (2018) no.2, 024008.

19) The Petrov type D isolated null surfaces.
By Denis Dobkowski-Ryłko, Jerzy Lewandowski, Tomasz Pawłowski.
[arXiv:1803.03203 [gr-qc]].

10.1088/1361-6382/aad209.
Class.Quant.Grav. 35 (2018) no.17, 175016.

20) Relative-locality phenomenology on Snyder spacetime.
By Salvatore Mignemi, Giacomo Rosati.
[arXiv:1803.02134 [gr-qc]].
10.1088/1361-6382/aac9d5.
Class.Quant.Grav. 35 (2018) no.14, 145006.

21) Stochastic inflation with quantum and thermal noise.
By Z. Haba.
[arXiv:1802.09577 [gr-qc]].
10.1140/epjc/s10052-018-6078-4.
Eur.Phys.J. C78 (2018) no.7, 596.

22) Stabilization of Starobinsky–Vilenkin stochastic inflation by an environmental noise.
By Z. Haba.
[arXiv:1802.00841 [gr-qc]].
10.1142/S0218271819500858.
Int.J.Mod.Phys. D28 (2019) no.06, 1950085.

23) Emergent de Sitter Epoch of the Quantum Cosmos from Loop Quantum Cosmology.
By Mehdi Assanioussi, Andrea Dapor, Klaus Liegener, Tomasz Pawłowski.
[arXiv:1801.00768 [gr-qc]].
10.1103/PhysRevLett.121.081303.
Phys.Rev.Lett. 121 (2018) no.8, 081303.

24) On possibility of time reversal symmetry violation in neutrino elastic scattering on polarized electron target.
By W. Sobków, A. Błaut.
[arXiv:1708.06471 [hep-ph]].
10.1140/epjc/s10052-018-5666-7.
Eur.Phys.J. C78 (2018) no.3, 197.

25) Galaxy Rotation Curves via Conformal Factors.
By Ciprian A. Sporea, Andrzej Borowiec, Aneta Wojnar.
[arXiv:1705.04131 [gr-qc]].
10.1140/epjc/s10052-018-5792-2.
Eur.Phys.J. C78 (2018) no.4, 308.