

Experimental observation of quantum many-body excitations of E8 symmetry in the Ising chain ferromagnet CoNb2O6
Amelin, Kirill; Engelmayer, Johannes; Viirok, Johan; Nagel, Urmas; Rõõm, Toomas; Lorenz, Thomas; Wang, Zhe Physical review B 2020 / art. 104431, 5 p. : ill <https://doi.org/10.1103/PhysRevB.102.104431>

Gravitational wave microlensing by dressed primordial black holes

Urrutia, Juan; Vaskonen, Ville; Veermäe, Hardi Physical Review D 2023 / art. 023507 <https://doi.org/10.1103/PhysRevD.108.023507>
[Journal metrics at Scopus](#) [Article at Scopus](#)

Gravitational waves from supermassive black hole binaries in light of the NANOGrav 15-year data

Ellis, John; Fairbairn, Malcolm; Hütsi, Gert; Raidal, Juhan; **Urrutia Perez, Juan**; Vaskonen, Ville; Veermäe, Hardi Physical Review D 2024 / art. L021302, 7 p. : ill <https://doi.org/10.1103/PhysRevD.109.L021302> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

In situ electric-field control of THz nonreciprocal directional dichroism in the multiferroic Ba2CoGe2O7

Vit, J.; Viirok, Johan; **Peedu, Laur**; Rõõm, Toomas; Nagel, Urmas; Kocsis, V.; Tokunaga, Y.; Taguchi, Y.; Tokura, Y.; Kezsmarki, I.; Balla, P.; Penc, K.; Romhányi, J.; Bordacs, S. Physical review letters 2021 / art. 157201, 6 p. : ill <https://doi.org/10.1103/PhysRevLett.127.157201>

Observation of E8 articles in an Ising chain antiferromagnet

Zhang, Zao; **Amelin, Kirill**; Wang, Xiao; Zou, Haiyuan; Yang, Jiahao; Nagel, Urmas; Rõõm, Toomas; Dey, Tusharkanti; Nugroho, Agustinus Agung; Lorenz, Thomas; Wu, Jianda; Wang, Zhe Physical review B 2020 / art. 220411, 6 p. : ill <https://doi.org/10.1103/PhysRevB.101.220411>

Regulation of electron bunch arrival time for a continuous-wave linac : exploring the application of the H2 mixed-sensitivity problem

Maalberg, Andrei; Kuntzsch, Michael; Zenker, Klaus; **Petlenkov, Eduard** Physical Review Accelerators and Beams 2023 / art. 072801, 13 p. : ill <https://doi.org/10.1103/PhysRevAccelBeams.26.072801> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Role of zealots in the spread of linguistic traits

Dornelas, Vivian; Anteneodo, C.; Nunes, Renan; Heinsalu, Els; **Patriarca, Marco** Physical review E 2025 / art. 044303 <https://doi.org/10.1103/PhysRevE.111.044303>

Scalar mixtures in porous media

Kree, Mihkel; Villermaux, Emmanuel Physical review fluids 2017 / art. 104502, 12 p. : ill <https://doi.org/10.1103/PhysRevFluids.2.104502>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Spin excitations of magnetoelectric LiNiPO4 in multiple magnetic phases

Peedu, Laur; Kocsis, V.; Szaller, D.; Viirok, Johan; Nagel, Urmas; Rõõm, Toomas; Farkas, D.G.; Bordacs, S.; Kamenskyi, D.L.; Zeitler, U.; Tokunaga, Y.; Taguchi, Y.; Tokura, Y.; Kezsmarki, I. Physical review B 2019 / art. 024406, 8 p. : ill <https://doi.org/10.1103/PhysRevB.100.024406>

Terahertz absorption spectroscopy study of spin waves in orthoferrite YFeO3 in a magnetic field

Amelin, Kirill; Nagel, Urmas; Fishman, R.S.; Yoshida, Y.; Sim, Hasung; Park, Kisoo; Park, Je-Geun; Rõõm, Toomas Physical review B 2018 / art. 174417, 6 p. : ill <https://doi.org/10.1103/PhysRevB.98.174417>

Terahertz magneto-optical investigation of quadrupolar spin-lattice effects in magnetically frustrated Tb2Ti2O7

Amelin, Kirill; Alexanian, Y.; Nagel, Urmas; Rõõm, Toomas; Robert, J.; Debray, J.; Simonet, V.; Decorse, C.; Wang, Z.; Ballou, R.; Constable, E.; de Brion, Sophie Physical review B 2020 / art. 134428, 11 p. : ill <https://doi.org/10.1103/PhysRevB.102.134428>

Terahertz spectroscopy of spin excitations in magnetoelectric LiFePO4 in high magnetic fields

Peedu, Laur; Kocsis, V.; Szaller, D.; Forrai, B.; Bordacs, S.; Kezsmarki, I.; Viirok, Johan; Nagel, Urmas; Bernath, B.; Kamenskyi, D.L.; Miyata, A.; Portugall, O.; Tokunaga, Y.; Tokura, Y.; Taguchi, Y.; Rõõm, Toomas Physical review B 2022 / art. 134413, 12 p. : ill <https://doi.org/10.1103/PhysRevB.106.134413>

What is the source of the PTA GW signal?

Ellis, John; Fairbairn, Malcolm; Franciolini, Gabriele; Hütsi, Gert; Iovino, Antonio; Lewicki, Marek; Raidal, Martti; **Urrutia Perez, Juan**; Vaskonen, Ville; Veermäe, Hardi Physical Review D 2024 / art. 023522, 22 p. : ill <https://doi.org/10.1103/PhysRevD.109.023522> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)