

Curriculum Vitae of GIOVANNI AMELINO CAMELIA

Laurea (“master”)	1990	Federico II University of Naples	supervisor Prof. Franco Buccella
Doctorate (PhD)	1993	Boston University	supervisor Prof. So-Young Pi

professional path

1993	1995	Massachusetts Institute of Technology	post-doctoral researcher
1995	1997	Oxford University (UK)	post-doctoral researcher
1997	1999	University of Neuchatel (Switzerland)	post-doctoral researcher
1999	2000	CERN (Switzerland)	post-doctoral researcher
2000	2017	Sapienza University of Rome	initially as assistant professor and then as associate professor
2017	present	Federico II University of Naples	Full Professor

service

2018	Present	COST Action CA18108 “Quantum gravity phenomenology in the multi-messenger approach”	Vice chair and Italy’s representative in the management committee
2011	2013	Istituto Nazionale di Fisica Nucleare (INFN)	National Head of the “Iniziativa Specifica GS51: Planck-scale phenomenology”
2013	2019	Istituto Nazionale di Fisica Nucleare (INFN)	National Head of “Iniziativa Specifica QUAGRAP: Quantum Gravity Theory and Phenomenology”
2017	Present	“Einstein Studies” (Springer)	Member of the Editorial Advisory Board
2013	Present	“International Journal of Modern Physics D” (World Scientific)	Member of the Editorial Board

some honors, prizes...

2017	honorary “Catedra Graef” at the Universidad Autónoma Metropolitana (Mexico City)
2015	“second-place prize for 2015” (shared with M. Arzano, G. Gubitosi e J. Magueijo) by the Gravity Research Foundation [“first-place prize 2015” was awarded to Nobel laureate G. t’Hooft]
2012	“Premio Messori Roncaglia e Mari ad uno scienziato per il 2012” [award ceremony at Accademia dei Lincei, with Presidente della Repubblica Giorgio Napolitano]
2009	“Premio Sapienza Ricerca 2009” [award ceremony at Sapienza University, with Presidente della Repubblica Giorgio Napolitano]
1999	“Prix Haenny 1999 au meilleur jeune chercheur de Physique de la Suisse Vaudoise” [awarded by Association Vaudoise des Chercheurs de Physique]

stats on publications and citations

published more than 200 papers which received more than **15000** citations

Hirsch (H) index **57**

<https://inspirehep.net/authors/1018500?ui-citation-summary>

https://scholar.google.it/citations?user=qm_z_gkAAAAJ&hl=it

recent funding as principal investigator

2022-2024	Project “Quantum-gravity phenomenology” funded by compagnia di San Paolo	72000 euros
2018-2022	Project “Multimessenger astrophysics”, funded by PRIN (Italian-government-based agency for “projects of top national interest”)	65000 euros
2018-2021	project “Agency-dependent spacetime and spacetime-dependent agency”, funded by Foundational Questions Institute	52000 dollars
2012-2016	project “Quantum Gravity Theories of not everything”, funded by John Templeton Foundation	174350 euros
2008-2011	project “Falsifiable Quantum Gravity Theories of not everything” funded by Foundational Questions Institute	65000 dollars
2011-2015	project “Non-commutative deformations of Quantum Field Theory” (FP7-PEOPLE-2011-CIG) funded by European Union	100000 euros
2009-2012	Scientific supervisor of project “Noncommutative geometry and quantum gravity” (FP7-PEOPLE-ERG-2008, “reintegrazione Pierre Martinetti”) funded by the EU within the program FP7 PEOPLE	45000 euros
2015-2017	project “Multimessenger quantum-spacetime phenomenology” funded by Sapienza University	26075 euros

supervision of junior physicists

I was supervisor of the PhD-thesis research work done by Gianluca Mandanici, Alessandra Agostini, Rossano Bruno, Alessandro Moia, Malù Maira Da Silva, Iarley Lobo, Daniel Orozco, Francesco Brighenti, Flavio Mercati, Antonino Marciànò, Valerio Astuti, Leonardo Barcaroli, Niccolò Loret, Giacomo Rosati, Giacomo D’Amico, Michele Ronco, Fabio Briscese, Giovanni Palmisano, Vittorio D’Esposito, Giuseppe Fabiano, Domenico Frattulillo. I also supervised the postdoctoral work of Pierre Martinetti, Olaf Dreyer, Michele Arzano, Giulia Gubitosi, Grasielle Dos Santos, Francisco Nettel Rueda, Flavio Mercati, Marco De Cesare, Folkert Kuipers.

some particularly representative publications

Relativity in space-times with short distance structure governed by an observer independent (Planckian) length scale

G. Amelino-Camelia

Int.J.Mod.Phys. D11 (2002) 35-60

DOI: 10.1142/S0218271802001330

[credited with about 1150 citations on SPIRES/INSPIRE]

The principle of relative locality

G. Amelino-Camelia, L. Freidel, J. Kowalski-Glikman, L. Smolin

Phys.Rev. D84 (2011) 084010

DOI: 10.1103/PhysRevD.84.084010

[credited with about 360 citations on SPIRES/INSPIRE]

Quantum symmetry, the cosmological constant and Planck scale phenomenology

G. Amelino-Camelia, L. Smolin, A. Starodubtsev

Class.Quant.Grav. 21 (2004) 3095-3110

DOI: 10.1088/0264-9381/21/13/002

[credited with about 230 citations on SPIRES/INSPIRE]

Testable scenario for relativity with minimum length

G. Amelino-Camelia

Phys.Lett. B510 (2001) 255-263

DOI: 10.1016/S0370-2693(01)00506-8

[credited with about 800 citations on SPIRES/INSPIRE]

Gravity/wave interferometers as quantum-gravity detectors

G. Amelino-Camelia

Nature 398 (1999) 216-218

DOI: 10.1038/18377

[credited with about 230 citations on SPIRES/INSPIRE]

Taming Nonlocality in Theories with Planck-Scale Deformed Lorentz Symmetry

G. Amelino-Camelia, M. Matassa, F. Mercati, G. Rosati

Phys.Rev.Lett. 106 (2011) 071301

DOI: 10.1103/PhysRevLett.106.071301

[credited with about 90 citations on SPIRES/INSPIRE]

Tests of quantum gravity from observations of gamma-ray bursts

G. Amelino-Camelia, J.R. Ellis, N.E. Mavromatos, D.V. Nanopoulos, S. Sarkar

Nature 393 (1998) 763-765

DOI: 10.1038/31647

[credited with about 1300 citations on SPIRES/INSPIRE]

Challenge to Macroscopic Probes of Quantum Spacetime Based on Noncommutative Geometry

G. Amelino-Camelia

Phys.Rev.Lett. 111 (2013) 101301

DOI: 10.1103/PhysRevLett.111.101301

[credited with about 50 citations on SPIRES/INSPIRE]

Constraining the Energy-Momentum Dispersion Relation with Planck-Scale Sensitivity Using Cold Atoms

G. Amelino-Camelia, C. Laemmerzahl, F. Mercati, G.M. Tino

Phys.Rev.Lett. 103 (2009) 171302

DOI: 10.1103/PhysRevLett.103.171302

[credited with about 70 citations on SPIRES/INSPIRE]

Planck scale deformation of Lorentz symmetry as a solution to the UHECR and the TeV gamma paradoxes

G. Amelino-Camelia, T. Piran

Phys.Rev. D64 (2001) 036005

DOI: 10.1103/PhysRevD.64.036005

[credited with about 400 citations on SPIRES/INSPIRE]

In-vacuo-dispersion features for GRB neutrinos and photons

G. Amelino-Camelia, G. D'Amico, G. Rosati, N. Loreti

Nature Astronomy 1 (2017) 0139

DOI: 10.1038/s41550-017-0139

[credited with about 70 citations on SPIRES/INSPIRE]

Waves on noncommutative space-time and gamma-ray bursts

G. Amelino-Camelia, S. Majid

Int.J.Mod.Phys. A15 (2000) 4301-4324

DOI: 10.1142/S0217751X00002779

[credited with about 300 citations on SPIRES/INSPIRE]

A Planck-scale limit on spacetime fuzziness and stochastic Lorentz invariance violation

V. Vasileiou, J. Granot, T. Piran, G. Amelino-Camelia

Nature Physics 11 (2015) 344-346

DOI: 10.1038/nphys3270

[credited with about 60 citations on SPIRES/INSPIRE]

Coproduct and star product in field theories on Lie algebra noncommutative space-times

G. Amelino-Camelia, M. Arzano

Phys.Rev. D65 (2002) 084044

DOI: 10.1103/PhysRevD.65.084044

[credited with about 180 citations on SPIRES/INSPIRE]

Deformed boost transformations that saturate at the Planck scale

N.R. Bruno, G. Amelino-Camelia, J. Kowalski-Glikman

Phys.Lett. B522 (2001) 133-138

DOI: 10.1016/S0370-2693(01)01264-3

[credited with about 280 citations on SPIRES/INSPIRE]

Severe constraints on loop-quantum-gravity energy-momentum dispersion relation from black-hole area-entropy law

G. Amelino-Camelia, M. Arzano, A. Procaccini

Phys. Rev. D70 (2004) 107501

DOI: 10.1103/PhysRevD.70.107501

[credited with about 160 citations on SPIRES/INSPIRE]

Prospects for constraining quantum gravity dispersion with near term observations

G. Amelino-Camelia, L. Smolin

Phys.Rev. D80 (2009) 084017

DOI: 10.1103/PhysRevD.80.084017

[credited with about 180 citations on SPIRES/INSPIRE]

Generalizing the Noether theorem for Hopf-algebra spacetime symmetries

A. Agostini, G. Amelino-Camelia, M. Arzano, A. Marciano, R.A. Tacchi

Mod.Phys.Lett. A22 (2007) 1779-1786

DOI: 10.1142/S0217732307024280

[credited with about 90 citations on SPIRES/INSPIRE]

Fate of Lorentz symmetry in relative-locality momentum spaces

G. Amelino-Camelia

Phys.Rev. D85 (2012) 084034

DOI: 10.1103/PhysRevD.85.084034

[credited with about 50 citations on SPIRES/INSPIRE]

Relative-locality distant observers and the phenomenology of momentum-space geometry

G. Amelino-Camelia, M. Arzano, J. Kowalski-Glikman, G. Rosati, G. Trevisan

Class.Quant.Grav. 29 (2012) 075007

DOI: 10.1088/0264-9381/29/7/075007

[credited with about 70 citations on SPIRES/INSPIRE]

Quantum-Spacetime Phenomenology

G. Amelino-Camelia

Living Rev. Rel. 16 (2013) 5

DOI: 10.12942/lrr-2013-5

[credited with about 650 citations on SPIRES/INSPIRE]

Limits on the measurability of space-time distances in (the semiclassical approximation of) quantum gravity

G. Amelino-Camelia

Mod.Phys.Lett. A9 (1994) 3415-3422

DOI: 10.1142/S0217732394003245

[credited with about 130 citations on SPIRES/INSPIRE]

other selected publications

Mixing coproducts for theories with particle-dependent relativistic properties
G. Amelino-Camelia, M. Palmisano, M. Ronco, G. D'Amico
Int.J.Mod.Phys.D 29 (2020) 2050017

Planck-Scale-Deformed Relativistic Symmetries and Diffeomorphisms on Momentum Space
G. Amelino-Camelia, S. Bianco, G. Rosati
Phys.Rev.D 101 (2020) 026018

In Vacuo Dispersion-Like Spectral Lags in Gamma-Ray Bursts
G. Amelino-Camelia, G. D'Amico, F. Fiore, S. Puccetti, M. Ronco
Symmetry 13 (2021) 541

Thermal and spectral dimension of (generalized) Snyder noncommutative spacetimes
G. Amelino-Camelia F. Giacomini, G. Gubitosi
Phys.Lett.B 784 (2018) 50-55

Relativity: Special Treatment
G. Amelino-Camelia
Nature 418 (2002) 34-35
DOI: 10.1038/418034a

Against spacetime
G. Amelino-Camelia
Questioning the Foundations of Physics pp.191-203 (Springer, 2015)
DOI: 10.1007/978-3-319-13045-3_13
[awarded 4th-place price in FQXi's "Questioning the foundations essay contest" (2012)]

Distance measurement and wave dispersion in a Liouville string approach to quantum gravity
G. Amelino-Camelia, J.R. Ellis, N.E. Mavromatos, D.V. Nanopoulos
Int.J.Mod.Phys. A12 (1997) 607-624
DOI: 10.1142/S0217751X97000566

Physics with the KLOE-2 experiment at the upgraded DAΦNE
G. Amelino-Camelia, F. Archilli, D. Babusci, D. Badoni, G. Bencivenni et al
Eur.Phys.J. C68 (2010) 619-681
DOI: 10.1140/epjc/s10052-010-1351-1

Selfconsistent improvement of the finite temperature effective potential
G. Amelino-Camelia, S.-Y. Pi
Phys.Rev. D47 (1993) 2356-2362
DOI: 10.1103/PhysRevD.47.2356

Doubly special relativity: First results and key open problems
G. Amelino-Camelia
Int.J.Mod.Phys. D11 (2002) 1643
DOI: 10.1142/S021827180200302X

Black-hole thermodynamics with modified dispersion relations and generalized uncertainty principles
G. Amelino-Camelia, M. Arzano, Y. Ling, G. Mandanici
Class.Quant.Grav. 23 (2006) 2585-2606
DOI: 10.1088/0264-9381/23/7/022

Are we at the dawn of quantum gravity phenomenology?

G. Amelino-Camelia
Lect.Notes Phys. 541 (2000) 1-49
DOI: 10.1007/3-540-46634-7_1

Quantum theory's last challenge

G. Amelino-Camelia
Nature 408 (2000) 661-664
DOI: 10.1038/35047210

Space-time quantum solves three experimental paradoxes

G. Amelino-Camelia
Phys.Lett. B528 (2002) 181-187
DOI: 10.1016/S0370-2693(02)01223-6

Gravity wave interferometers as probes of a low-energy effective quantum gravity

G. Amelino-Camelia
Phys.Rev. D62 (2000) 024015
DOI: 10.1103/PhysRevD.62.024015

Cosmic rays and TeV photons as probes of quantum properties of space-time

G. Amelino-Camelia, T. Piran
Phys.Lett. B497 (2001) 265-270
DOI: 10.1016/S0370-2693(00)01337-X

Hopf algebra description of noncommutative space-time symmetries

A. Agostini, G. Amelino-Camelia, F. D'Andrea
Int.J.Mod.Phys. A19 (2004) 5187-5220
DOI: 10.1142/S0217751X04020919

Doubly-Special Relativity: Facts, Myths and Some Key Open Issues

G. Amelino-Camelia
Symmetry 2 (2010) 230-271
DOI: 10.3390/sym2010230

Enlarged bound on the measurability of distances and quantum Kappa Poincare group

G. Amelino-Camelia
Phys.Lett. B392 (1997) 283-286
DOI: 10.1016/S0370-2693(96)01565-1

Pion production from baked Alaska disoriented chiral condensate

G. Amelino-Camelia, J.D. Bjorken, S.E. Larsson (Oxford U.). Jun 1997. 25 pp.
Phys.Rev. D56 (1997) 6942-6956
DOI: 10.1103/PhysRevD.56.6942

Phenomenology of Planck-scale Lorentz-symmetry test theories

Giovanni Amelino-Camelia (Rome U. & INFN, Rome). Dec 2002. 4 pp.
New J.Phys. 6 (2004) 188
DOI: 10.1088/1367-2630/6/1/188

Thermal effective potential of the $O(N)$ linear sigma model

G. Amelino-Camelia
Phys.Lett. B407 (1997) 268-274
DOI: 10.1016/S0370-2693(97)00709-0

Phenomenology of doubly special relativity

G. Amelino-Camelia, J. Kowalski-Glikman, G. Mandanici, A. Procaccini
Int.J.Mod.Phys. A20 (2005) 6007-6038
DOI: 10.1142/S0217751X05028569

Quantum gravity motivated Lorentz symmetry tests with laser interferometers

G. Amelino-Camelia, C. Lammerzahl
Class.Quant.Grav. 21 (2004) 899-916
DOI: 10.1088/0264-9381/21/4/010

A Phenomenological description of quantum gravity induced space-time noise

G. Amelino-Camelia
Nature 410 (2001) 1065-1067
DOI: 10.1038/35074035

On the space-time uncertainty relations of Liouville strings and D-branes

G. Amelino-Camelia, J.R. Ellis, N.E. Mavromatos, D.V. Nanopoulos
Mod.Phys.Lett. A12 (1997) 2029-2036
DOI: 10.1142/S0217732397002077

Relative locality: A deepening of the relativity principle

G. Amelino-Camelia, L. Freidel, J. Kowalski-Glikman, L. Smolin
Gen.Rel.Grav. 43 (2011) 2547-2553
DOI: 10.1142/S0218271811020743

Phenomenology of particle production and propagation in string motivated canonical noncommutative space-time

G. Amelino-Camelia, L. Doplicher, S. Nam, Y.-S. Seo
Phys.Rev. D67 (2003) 085008
DOI: 10.1103/PhysRevD.67.085008

Schrodinger selfadjoint extension and quantum field theory

G. Amelino-Camelia, D. Bak
Phys.Lett. B343 (1995) 231-238
DOI: 10.1016/0370-2693(94)01448-L

On local observations in quantum gravity

G. Amelino-Camelia
Mod.Phys.Lett. A11 (1996) 1411-1416
DOI: 10.1142/S0217732396001417

On the CJT formalism in multifield theories

G. Amelino-Camelia
Nucl.Phys. B476 (1996) 255-274
DOI: 10.1016/0550-3213(96)00374-4

Selfconsistently improved finite temperature effective potential for gauge theories

G. Amelino-Camelia
Phys.Rev. D49 (1994) 2740-2751
DOI: 10.1103/PhysRevD.49.2740

Perturbative bosonic and anyon spectra and contact interactions

G. Amelino-Camelia
Phys.Lett. B326 (1994) 282-287
DOI: 10.1016/0370-2693(94)91323-4

Perturbative renormalizations of anyon quantum mechanics

G. Amelino-Camelia

Phys.Rev. D51 (1995) 2000-2010

DOI: 10.1103/PhysRevD.51.2000

Fundamental quantum optics experiments conceivable with satellites: Reaching relativistic distances and velocities

D. Rideout, T. Jennewein, G. Amelino-Camelia, T.F. Demarie, B.L. Higgins et al

Class.Quant.Grav. 29 (2012) 224011

DOI: 10.1088/0264-9381/29/22/224011

OPERA-reassessing data on the energy dependence of the speed of neutrinos

G. Amelino-Camelia, G. Gubitosi, N. Loret, F. Mercati, G. Rosati, P. Lipari

Int.J.Mod.Phys. D20 (2011) 2623-2640

DOI: 10.1142/S0218271811020780

Relative locality and the soccer ball problem

G. Amelino-Camelia, L. Freidel, J. Kowalski-Glikman, L. Smolin

Phys.Rev. D84 (2011) 087702

DOI: 10.1103/PhysRevD.84.087702

Conformal dimensions from topologically massive quantum field theory

G. Amelino-Camelia, I.I. Kogan, R.J. Szabo

Nucl.Phys. B480 (1996) 413-456

DOI: 10.1016/S0550-3213(96)00484-1

Probing the quantum-gravity realm with slow atoms

F. Mercati, D. Mazon, G. Amelino-Camelia, J.M. Carmona, J.L. Cortes, J. Indurain, C. Laemmerzahl, G.M. Tino

Class.Quant.Grav. 27 (2010) 215003

DOI: 10.1088/0264-9381/27/21/215003

Noether analysis of the twisted Hopf symmetries of canonical noncommutative spacetimes

G. Amelino-Camelia, F. Brisce, G. Gubitosi, A. Marciano, P. Martinetti, F. Mercati

Phys.Rev. D78 (2008) 025005

DOI: 10.1103/PhysRevD.78.025005

On the Salecker-Wigner limit and the use of interferometers in space-time foam studies

G. Amelino-Camelia

Phys.Lett. B477 (2000) 436-450

DOI: 10.1016/S0370-2693(00)00231-8

On the bosonic end perturbative approaches to the study of anyons

G. Amelino-Camelia

Phys.Lett. B286 (1992) 97-104

DOI: 10.1016/0370-2693(92)90164-Y

Speed of particles and a relativity of locality in κ -Minkowski quantum spacetime

G. Amelino-Camelia, N. Loret, G. Rosati

Phys.Lett. B700 (2011) 150-156

DOI: 10.1016/j.physletb.2011.04.054

A Constraint on Planck-scale Modifications to Electrodynamics with CMB polarization data

G. Gubitosi, L. Pagano, G. Amelino-Camelia, A. Melchiorri, A. Cooray

JCAP 0908 (2009) 021

DOI: 10.1088/1475-7516/2009/08/021

Area preserving structure and anomalies in (1+1)-dimensional quantum gravity

G. Amelino-Camelia, D. Bak, D. Seminara

Phys.Lett. B354 (1995) 213-219

DOI: 10.1016/0370-2693(95)00666-9

Planck-scale modifications to Electrodynamics characterized by a space-like symmetry-breaking vector

G. Gubitosi, G. Genovese, G. Amelino-Camelia, A. Melchiorri

Phys.Rev. D82 (2010) 024013

DOI: 10.1103/PhysRevD.82.024013

Anomalous particle production thresholds through systematic and nonsystematic quantum gravity effects

G. Amelino-Camelia, Y.J. Ng, H. Vanm Dam

Astropart.Phys. 19 (2003) 729-738

DOI: 10.1016/S0927-6505(03)00136-1

Rayleigh-Ritz variational approximation and symmetry nonrestoration

G. Amelino-Camelia

Phys.Lett. B388 (1996) 776-782

DOI: 10.1016/S0370-2693(96)01199-9

Modifications to Lorentz invariant dispersion in relatively boosted frames

U. Jacob, F. Mercati, G. Amelino-Camelia, T. Piran

Phys.Rev. D82 (2010) 084021

DOI: 10.1103/PhysRevD.82.084021

Fundamental physics in space: a quantum-gravity perspective

G. Amelino-Camelia

Gen.Rel.Grav. 36 (2004) 539-560

DOI: 10.1023/B:GERG.0000010729.17654.48

Nontrivial infrared structure in (2+1)-dimensional quantum electrodynamics

I.J.R. Aitchison, G. Amelino-Camelia, M. Klein-Kreisler, N.E. Mavromatos, D. McNeill

Phys.Rev. B56 (1997) 2836-2842

DOI: 10.1103/PhysRevB.56.2836

The Effect of Yukawa couplings on unification predictions and the nonperturbative limit

G. Amelino-Camelia, D. Ghilencea, G.G. Ross

Nucl.Phys. B528 (1998) 35-58

DOI: 10.1016/S0550-3213(98)00470-2

Discreteness of area in noncommutative space

G. Amelino-Camelia, G. Gubitosi, F. Mercati

Phys.Lett. B676 (2009) 180-183

DOI: 10.1016/j.physletb.2009.04.045

A No-pure-boost uncertainty principle from spacetime noncommutativity

G. Amelino-Camelia, G. Gubitosi, A. Marciano, P. Martinetti, F. Mercati

Phys.Lett. B671 (2009) 298-302

DOI: 10.1016/j.physletb.2008.12.032

Astrophysics: Burst of support for relativity

G. Amelino-Camelia

Nature 462 (2009) 291-292

DOI: 10.1038/462291a

Gravity in quantum spacetime

G. Amelino-Camelia, N. Loreti, G. Mandanici, F. Mercati
Int.J.Mod.Phys. D19 (2010) 2385-2392
DOI: 10.1142/S0218271810018451

Black hole radiation (with and without Weyl anomaly)

G. Amelino-Camelia, D. Seminara
Class.Quant.Grav. 13 (1996) 881-890
DOI: 10.1088/0264-9381/13/5/010

Astroparticle physics: Neutrinos and quantum spacetime

G. Amelino-Camelia
Nature Physics 3 (2007) 81-83
DOI:10.1038/nphys523

Planck-length phenomenology

G. Amelino-Camelia
Int.J.Mod.Phys. D10 (2001) 1-8
DOI: 10.1142/S0218271801001128

On the uncertainty relations of kappa-deformed quantum phase space

G. Amelino-Camelia, J. Lukierski, A. Nowicki
Acta Physica Polonica B29 (1998) 1099-1112

On the 5D differential calculus and translation transformations in 4D kappa-Minkowski noncommutative spacetime

G. Amelino-Camelia, A. Marciano, D. Pranzetti
Int.J.Mod.Phys. A24 (2009) 5445-5463
DOI: 10.1142/S0217751X09046394

Gravitational dressing of Aharonov-Bohm amplitudes

G. Amelino-Camelia, I.I. Kogan, R.J. Szabo
Int.J.Mod.Phys. A12 (1997) 1043-1052
DOI: 10.1142/S0217751X97000773

Comment on partition function of anyon gas

G. Amelino-Camelia, L. Hua
Phys.Rev.Lett. 69 (1992) 2875-2876
DOI: 10.1103/PhysRevLett.69.2875

CP violating asymmetries in the neutral kaon decays

G. Amelino-Camelia, F. Buccella, G. D'Ambrosio, A. Gallo, G. Mangano, M. Miragliuolo
Z.Phys. C55 (1992) 63-74
DOI: 10.1007/BF01558289

Lorentz anomaly and (1+1)-dimensional radiating black holes

G. Amelino-Camelia, L. Griguolo, D. Seminara
Phys.Lett. B371 (1996) 41-45
DOI: 10.1016/0370-2693(95)01613-9

Rainbow gravity and scale-invariant fluctuations

G. Amelino-Camelia, M. Arzano, G. Gubitosi, J. Magueijo
Phys.Rev. D88 (2013) 041303
DOI: 10.1103/PhysRevD.88.041303

Interplay between curvature and Planck-scale effects in astrophysics and cosmology
A. Marciano, G. Amelino-Camelia, N.R. Bruno, G. Gubitosi, G. Mandanici, A. Melchiorri
JCAP 1006 (2010) 030
DOI: 10.1088/1475-7516/2010/06/030

Threshold anomalies in Horava-Lifshitz-type theories
G. Amelino-Camelia, L. Gualtieri, F. Mercati
Phys.Lett. B686 (2010) 283-287
DOI: 10.1016/j.physletb.2010.02.057

Relativity: Still Special
G. Amelino-Camelia
Nature 450 (2007) 801
DOI: 10.1038/450801a

On the area operators of the Husain-Kuchar-Rovelli model and canonical/loop quantum gravity
G. Amelino-Camelia
Mod.Phys.Lett. A13 (1998) 1155-1161
DOI: 10.1142/S0217732398001224

T duality for boundary noncritical strings
G. Amelino-Camelia, N.E. Mavromatos
Phys.Lett. B422 (1998) 101-108
DOI: 10.1016/S0370-2693(98)00027-6

Calogero-Sutherland particles as quasisemions
G. Amelino-Camelia
Mod.Phys.Lett. A11 (1996) 1861-1868
DOI: 10.1142/S0217732396001855

Deformed Lorentz symmetry and relative locality in a curved/expanding spacetime
G. Amelino-Camelia, A. Marciano, M. Matassa, G. Rosati
Phys.Rev. D86 (2012) 124035
DOI: 10.1103/PhysRevD.86.124035

UV and IR quantum-spacetime effects for the Chandrasekhar model
G. Amelino-Camelia, N. Loret, G. Mandanici, F. Mercati
Int.J.Mod.Phys. D21 (2012) 1250052
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