

Activitatea didactica si profesionala

Activitatea didactica si profesionala			
1. Cărți în edituri internaționale recunoscute Web of Science în calitate de autor			
Date identificare	Numar autori	Numar efectiv	A1
		0	0,00
2. Capitole de cărți în edituri internaționale recunoscute Web of Science în calitate de autor/ Review-uri în reviste cotate ISI			
Date identificare	Numar autori	Numar efectiv	A2
R. Casadio, O. Micu, P. Nicolini, "Minimum Length Effects in Black Hole Physics", Quantum Aspects of Black Holes/Springer/ISBN 978-3-319-10851-3	3	3	0,33
Casadio, R; Giugno, A; Micu, O; "Horizon quantum mechanics: A hitchhiker's guide to quantum black holes"; Int.J.Mod.Phys. D25 (2016) no.02, 1630006.	3	3	0,33
Casadio, R; Giugno, A; Micu, O; Orlandi A; "Thermal BEC Black Holes"; Entropy 17 (2015) 6893-6924.	4	4	0,25
3. Cărți în edituri internaționale recunoscute Web of Science în calitate de editor			
Date identificare	Numar autori	Numar efectiv	A3
		0	0,00
4. Cărți, manuale, îndrumare de laborator în edituri naționale sau alte edituri internaționale ca autor, note interne, prezentări susținute pentru aprobarea analizelor de date în cadrul colaborărilor mari			
Date identificare	Numar autori	Numar efectiv	A4
		0	0,00
5. Capitole de cărți în edituri naționale sau alte edituri internaționale ca autor			
Date identificare	Numar autori	Numar efectiv	A5
6. Lucrări în extenso (cel puțin 3 pagini) publicate în Proceedings-uri indexate ISI			
Date identificare	Numar autori	Numar efectiv	A6
Microscopic black holes as a source of ultrahigh-energy gamma-rays; Casadio R; Harms B, Micu O; AIP Conf.Proc. 624 (2002) 1, 132-140	3	3	0,17
Explaining LSND using extra-dimensional shortcuts; Hollenberg S, Micu O, Pas H, Weiler TJ; AIP Conf.Proc. 1200 (2010) 1, 952-955	4	4	0,13
Explaining LSND and MiniBooNE using altered neutrino dispersion relations; Hollenberg S, Micu O, Pas H; Prog.Part.Nucl.Phys. 64 (2010) 193-195	3	3	0,17
Date identificare	Numar autori	Numar efectiv	A7
		0	0,00
8. Brevete de invenție naționale acordate			
Date identificare	Numar autori	Numar efectiv	A8
		0	0,00
9. Director/ responsabil/ coordonator pentru programe de studii, programe de formare continuă, proiecte educaționale și proiecte de infrastructură (proiectele de cercetare se exclud)			
Date identificare			A9
			0,00
10. Director/ responsabil pentru proiecte de cercetare in valoare euro câștigate prin competiție națională sau internațională			
Date identificare	Suma totala in Euro		A10
Probing physics beyond the Standard Model with micro black holes and neutrinos/ PN-II-RU-TE-2011-3-018/ UEFISCDI/ Oct 2011 – Oct 2014	205000		2,05
TOTAL			3,43

Activitatea de cercetare

Activitatea de cercetare											
Titlu articol	Autori	Jurnal	An	Vol	Pag	prim autor/ corespondent	numar autori	Numar efectiv	AIS	I	P
Moving mirrors and black hole evaporation in non-commutative space-times	Casadio, R; Cox, P; Harms, B; Micu, O	Phys. Rev. D	2006	73	44019	0	4	4,00	1,400	0,35	0,00
Noncommutative quantum Hall effect and Aharonov-Bohm effect	Harms, B; Micu, O	J.Phys. A	2007	40	10337	0	2	2,00	1,600	0,80	0,00
Boundaries and the Casimir effect in non-commutative space-time	Casadio, R; Gruppuso, Harms, B; Micu, O	Phys. Rev. D	2007	76	25016	0	4	4,00	1,300	0,33	0,00
Baseline-dependent neutrino oscillations with extra-dimensional shortcuts	Hollenberg, S; Micu, O; Pas, H; Weiler, T.J.	Phys. Rev. D	2009	80	95005	0	4	4,00	1,340	0,34	0,00
Neutrino-antineutrino oscillations as a possible solution for the LSND and MiniBooNE anomalies?	Hollenberg, S; Micu, O; Pas, H	Phys. Rev. D	2009	80	53010	0	3	3,00	1,340	0,45	0,00
Theoretical survey of tidal-charged black holes at the LHC	Casadio, R; Fabi, S; Harms, B; Micu, O	JHEP	2010	2	79	0	4	4,00	1,400	0,35	0,00
Exploring the bulk of tidal charged micro-black holes	Casadio, R; Micu, O	Phys. Rev. D	2010	81	104024	0	2	2,00	1,300	0,65	0,00
Effect of brane thickness on microscopic tidal-charged black holes	Casadio, R; Harms, B; Micu, O	Phys. Rev. D	2010	82	44026	0	3	3,00	1,300	0,43	0,00
Brane-world black holes and the scale of gravity	Alberghi, G.L.; Casadio, R; Micu, O; Orlandi, A	JHEP	2011	1109	23	0	4	4,00	1,400	0,35	0,00
Lepton number violating effects in neutrino oscillations	Hollenberg, S; Micu, O; Pal, P.B.	Phys. Rev. D	2012	85	53004	0	3	3,00	1,260	0,42	0,00
Quantum Black Holes from Cosmic Rays	Calmet, X; Caramete, L.I.; Micu, O	JHEP	2012	1211	104	1	3	3,00	1,400	0,47	1,40
Minimum black hole mass from colliding Gaussian packets	Casadio, R; Micu, O; Orlandi, A	Eur.Phys.J. C	2012	C72	2146	0	3	3,00	1,000	0,33	0,00
Back-to-Back Black Holes decay Signature at Neutrino Observatories	Arsene, N; Calmet, X; Caramete, L.I.; Micu, O	Astroparticle Physics	2014	54	132	1	4	4,00	1,300	0,33	1,30
Quantum hoop conjecture: Black hole formation by particle collisions	Casadio, R; Micu, O; Scardigli, F	Phys.Lett. B	2014	732	105	0	3	3,00	1,600	0,53	0,00
Black holes as self-sustained quantum states, and Hawking radiation	Casadio, R; Giugno, A; Micu, O; Orlandi, A	Phys. Rev. D	2014	90	84040	0	4	4,00	1,100	0,28	0,00
Horizon wave-function and the quantum cosmic censorship	Casadio, R; Micu, O; Stojkovic, D	Phys.Lett. B	2015	747	68	0	3	3,00	1,500	0,50	0,00
Inner horizon of the quantum Reissner-Nordstrom black holes	Casadio, R; Micu, O; Stojkovic, D	JHEP	2015	15	96	1	3	3,00	1,300	0,43	1,30
Thermal BEC Black Holes	Casadio, R; Giugno, A; Micu, O; Orlandi, A	Entropy	2015	17	6893	0	4	4,00	0,500	0,13	0,00
Horizon quantum mechanics: A hitchhiker's guide to quantum black holes	Casadio, R; Giugno, A; Micu, O	IJMPD	2016	25	1630006	0	3	3,00	0,400	0,13	0,00
Quantum production of black holes at colliders	Arsene, N; Casadio, R; Micu, O	Eur.Phys.J. C	2016	76	384	0	3	3,00	1,350	0,45	0,00
Horizon quantum mechanics of rotating black holes	Casadio, R; Giugno, A; Giusti, A; Micu, O	Eur.Phys.J. C	2017	77	322	0	4	4,00	1,350	0,34	0,00
Horizon quantum mechanics of collapsing shells	Casadio, R; Micu, O	Eur.Phys.J. C	2018	78	852	1	2	2,00	1,300	0,65	1,30
Bootstrapping Newtonian gravity	Casadio, R; Lenzi, M; Micu, O	Phys. Rev. D	2018	98	104016	1	3	3,00	0,940	0,31	0,94
Bootstrapped Newtonian stars and black holes	Casadio, R; Lenzi, M; Micu, O	Eur.Phys.J. C	2019	79	894	0	3	3,00	1,150	0,38	0,00
On the mass of bootstrapped Newtonian sources	Casadio, R; Micu, O; Mureika, J	Mod.Phys.Lett.A	2020	35	21	1	3	3,00	0,320	0,11	0,32
Polytropic stars in bootstrapped Newtonian gravity	Casadio, R; Micu, O	Phys. Rev. D	2020	102	104058	1	2	2,00	1,000	0,50	1,00
Compact sources and cosmological horizons in lower dimensional bootstrapped Newtonian gravity	Casadio, R; Micu, O; Mureika, J	Class.Quant.Grav.	2021	38	65020	1	3	3,00	1,160	0,39	1,16
Approximating compact objects in bootstrapped Newtonian gravity: use of the canonical potential	Casadio, R; Kuntz, I; Micu, O	Eur.Phys.J. C	2022	82	609	1	3	3,00	1,200	0,40	1,20
Binary mergers in bootstrapped Newtonian gravity: Mass gap and black hole area law	Casadio, R; Kuntz, I; Micu, O	Phys.Lett. B	2022	834	137455	1	3	3,00	1,240	0,41	1,24
Newtonian approximation in (1+1) dimensions	Casadio, R; Micu, O; Mureika, J	Physica Scripta	2011	97	125304	1	3	3,00	0,550	0,18	0,55
TOTAL										11,71	11,71

Citari

Titlu articol	CITARI									
	Autori	Jurnal	An	Vol	Pag	n (numar autori)	numar efectiv	numar citari (fara autocit)	c/n_ef	
Moving mirrors and black hole evaporation in non-commutative space-times	Casadio, R; Cox, P; Harms, B; Micu, O	Phys. Rev. D	2006	73	44019	4	4	13	3,25	
Noncommutative quantum Hall effect and Aharonov-Bohm effect	Harms, B; Micu, O	J.Phys. A	2007	40	10337	2	2	34	17,00	
Boundaries and the Casimir effect in non-commutative space-time	Casadio, R; Gruppuso, Harms, B; Micu, O	Phys. Rev. D	2007	76	25016	4	4	21	5,25	
Baseline-dependent neutrino oscillations with extra-dimensional shortcuts	Hollenberg, S; Micu, O; Pas, H; Weiler; T.J.	Phys. Rev. D	2009	80	95005	4	4	21	5,25	
Neutrino-antineutrino oscillations as a possible solution for the LSND and MiniBooNE anomalies?	Hollenberg, S; Micu, O; Pas, H	Phys. Rev. D	2009	80	53010	3	3	12	4,00	
Theoretical survey of tidal-charged black holes at the LHC	Casadio, R; Fabi, S; Harms, B; Micu, O	JHEP	2010	2	79	4	4	8	2,00	
Exploring the bulk of tidal charged micro-black holes	Casadio, R; Micu, O	Phys. Rev. D	2010	81	104024	2	2	11	5,50	
Effect of brane thickness on microscopic tidal-charged black holes	Casadio, R; Harms, B; Micu, O	Phys. Rev. D	2010	82	44026	3	3	2	0,67	
Brane-world black holes and the scale of gravity	Alberghi, G.L.; Casadio, R; Micu, O; Orlandi, A	JHEP	2011	1109	23	4	4	8	2,00	
Lepton number violating effects in neutrino oscillations	Hollenberg, S; Micu, O; Pal, P.B.	Phys. Rev. D	2012	85	53004	3	3	1	0,33	
Quantum Black Holes from Cosmic Rays	Calmet, X; Caramete, L.I.; Micu, O	JHEP	2012	1211	104	3	3	5	1,67	
Minimum black hole mass from colliding Gaussian packets	Casadio, R; Micu, O; Orlandi, A	Eur.Phys.J. C	2012	C72	2146	3	3	7	2,33	
Back-to-Back Black Holes decay Signature at Neutrino Observatories	Arsene, N; Calmet, X; Caramete, L.I.; Micu, O	Astroparticle Physics	2014	54	132	4	4	7	1,75	
Quantum hoop conjecture: Black hole formation by particle collisions	Casadio, R; Micu, O; Scardigli, F	Phys.Lett. B	2014	732	105	3	3	30	10,00	
Black holes as self-sustained quantum states, and Hawking radiation	Casadio, R; Giugno, A; Micu, O; Orlandi, A	Phys. Rev. D	2014	90	84040	4	4	32	8,00	
Horizon wave-function and the quantum cosmic censorship	Casadio, R; Micu, O; Stojkovic, D	Phys.Lett. B	2015	747	68	3	3	15	5,00	
Inner horizon of the quantum Reissner-Nordstrom black holes	Casadio, R; Micu, O; Stojkovic, D	JHEP	2015	15	96	3	3	12	4,00	
Thermal BEC Black Holes	Casadio, R; Giugno, A; Micu, O; Orlandi, A	Entropy	2015	17	6893	4	4	21	5,25	
Horizon quantum mechanics: A hitchhiker's guide to quantum black holes	Casadio, R; Giugno, A; Micu, O	IJMPD	2016	25	1630006	3	3	15	5,00	
Quantum production of black holes at colliders	Arsene, N; Casadio, R; Micu, O	Eur.Phys.J. C	2016	76	384	3	3	4	1,33	
Horizon quantum mechanics of rotating black holes	Casadio, R; Giugno, A; Giusti, A; Micu, O	Eur.Phys.J. C	2017	77	322	4	4	12	3,00	
Horizon quantum mechanics of collapsing shells	Casadio, R; Micu, O	Eur.Phys.J. C	2018	78	852	2	2	0	0,00	
Bootstrapping Newtonian gravity	Casadio, R; Lenzi, M; Micu, O	Phys. Rev. D	2018	98	104016	3	3	16	5,33	
Bootstrapped Newtonian stars and black holes	Casadio, R; Lenzi, M; Micu, O	Eur.Phys.J. C	2019	79	894	3	3	11	3,67	
On the mass of bootstrapped Newtonian sources	Casadio, R; Micu, O; Mureika, J	Mod.Phys.Lett.A	2020	35	21	3	3	2	0,67	
Polytropic stars in bootstrapped Newtonian gravity	Casadio, R; Micu, O	Phys. Rev. D	2020	102	104058	2	2	2	1,00	
Compact sources and cosmological horizons in lower dimensional bootstrapped Newtonian gravity	Casadio, R; Micu, O; Mureika, J	Class.Quant.Grav.	2021	38	65020	3	3	0	0,00	
Approximating compact objects in bootstrapped Newtonian gravity: use of the canonical potential	Casadio, R; Kuntz, I; Micu, O	Eur.Phys.J. C	2022	82	609	3	3	0	0,00	
Binary mergers in bootstrapped Newtonian gravity: Mass gap and black hole area law	Casadio, R; Kuntz, I; Micu, O	Phys.Lett. B	2022	834	137455	3	3	0	0,00	
Newtonian approximation in (1+1) dimensions	Casadio, R; Micu, O; Mureika, J	Physica Scripta	2011	97	125304	3	3	0	0,00	
	Total									103,25

Citari detaliate:

Quantum hoop conjecture: Black hole formation by particle collisions , Casadio, R; Micu, O and Scardigli, FPHYSICS LETTERS B, 732 , pp.105-109

1. Casadio, R; "Geometry and thermodynamics of coherent quantum black holes"; INTERNATIONAL JOURNAL OF MODERN PHYSICS D 31 (16) - (2022).
2. Haug, EG; "Progress in the Composite View of the Newton Gravitational Constant and Its Link to the Planck Scale"; UNIVERSE 8 (9) 454 (2022).
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7. Nakama, T; Yokoyama, J; "Micro black holes formed in the early Universe and their cosmological implications"; PHYSICAL REVIEW D 99 (6) 61303 (2019).
8. Giusti, A; "On the corpuscular theory of gravity"; INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS 16 (3) 1930001 (2019).
9. Greenwood, E; "Classical and quantum equations of motion of a 4-dimensional Schwarzschild-AdS and Reissner-Nordstrom-AdS black hole"; INTERNATIONAL JOURNAL OF MODERN PHYSICS D 28 (4) 1950061 (2019).
10. Dvali, G; "On Quantum Life of Black Holes"; FOUNDATIONS OF PHYSICS 48 (10) -1225 (2018).
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12. Casadio, R; Giusti, A; Rahim, R; "Horizon quantum mechanics for spheroidal sources"; EPL 121 (6) 60004 (2018).
13. Villhauer, EM; "Noncommutative Black Holes at the LHC"; 3RD KARL SCHWARZSCHILD MEETING - GRAVITY AND THE GAUGE/GRAVITY CORRESPONDENCE 942, 12019 (2018).
14. Spallucci, E; Smailagic, A; "Regular black holes from semi-classical down to Planckian size"; INTERNATIONAL JOURNAL OF MODERN PHYSICS D 26 (7) 1730013 (2017).
15. Casadio, R; Giugno, A; Giusti, A; "Global and local horizon quantum mechanics"; GENERAL RELATIVITY AND GRAVITATION 49 (2) 32 (2017).
16. Miao, YG; Wu, YM; "Thermodynamics of the Schwarzschild-AdS Black Hole with a Minimal Length"; ADVANCES IN HIGH ENERGY PHYSICS 2017, 1095217 (2017).
17. Dvali, G; Gomez, C; Wintergerst, N; "Stueckelberg formulation of holography"; PHYSICAL REVIEW D 94 (8) 84051 (2016).
18. Casadio, R; Cavalcanti, RT; Giugno, A; Mureika, J; "Horizon of quantum black holes in various dimensions"; PHYSICS LETTERS B 760, -44 (2016).
19. Frassino, AM; Koppel, S; Nicolini, P; "Geometric Model of Black Hole Quantum N-portrait, Extradimensions and Thermodynamics"; ENTROPY 18 (5) 181 (2016).
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21. Yang, RJ; "Quantum hoop conjecture and a natural cutoff for vacuum energy of a scalar field"; RESULTS IN PHYSICS 6, -99 (2016).
22. Liu, C; Miao, YG; Wu, YM; Zhang, YH; "Self-Regular Black Holes Quantized by means of an Analogue to Hydrogen Atoms"; ADVANCES IN HIGH ENERGY PHYSICS 2016, 5982482 (2016).
23. Manfredi, L; Mureika, J; "Horizon Wavefunction of Generalized Uncertainty Principle Black Holes"; ADVANCES IN HIGH ENERGY PHYSICS 2016, 1543741 (2016).
24. Calmet, X; Casadio, R; "The horizon of the lightest black hole"; EUROPEAN PHYSICAL JOURNAL C 75 (9) 445 (2015).
25. Casadio, R; Kuhnel, F; Orlandi, A; "Consistent cosmic microwave background spectra from quantum depletion"; JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS (9) 2 (2015).
26. Casadio, R; "Horizons and non-local time evolution of quantum mechanical systems"; EUROPEAN PHYSICAL JOURNAL C 75 (4) 160 (2015).
27. Spallucci, E; Smailagic, A; "Dynamically self-regular quantum harmonic black holes"; PHYSICS LETTERS B 743, -477 (2015).
28. Dvali, G; Gomez, C; Isermann, RS; Lust, D; Stieberger, S; "Black hole formation and classicalization in ultra-Planckian $2 \rightarrow N$ scattering"; NUCLEAR PHYSICS B 893, -235 (2015).
29. Hubsch, T; "Advanced Concepts in Particle and Field Theory"; ADVANCED CONCEPTS IN PARTICLE AND FIELD THEORY , -563 (2015).
30. Dvali, G; Gomez, C; "Quantum compositeness of gravity: black holes, AdS and inflation"; JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS (1) 23 (2014).

Black holes as self-sustained quantum states and Hawking radiation, Casadio, R; Giugno, A; Micu O; Orlandi, A, PHYSICAL REVIEW D90 (8)

1. Zhou, X; Feng, ZW; Zhou, SQ; "Impacts of Generalized Uncertainty Principle on the Black Hole Thermodynamics and Phase Transition in a Cavity"; FRONTIERS IN PHYSICS 10, 887410 (2022).
2. Casadio, R; "A quantum bound on the compactness"; EUROPEAN PHYSICAL JOURNAL C 82 (1) 10 (2022).
3. Buoninfante, L; "Echoes from corpuscular black holes"; JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS (12) 41 (2020).
4. Buoninfante, L; Luciano, GG; Petruziello, L; "Generalized uncertainty principle and corpuscular gravity"; EUROPEAN PHYSICAL JOURNAL C 79 (8) 663 (2019).
5. Casadio, R; Giusti, A; Mureika, J; "Lower-dimensional corpuscular gravity and the end of black hole evaporation"; MODERN PHYSICS LETTERS A 34 (22) 1950174 (2019).
6. Casadio, R; Giusti, A; Mentrelli, A; "Orbits in a stochastic Schwarzschild geometry"; PHYSICAL REVIEW D 100 (2) 24036 (2019).
7. Buoninfante, L; Mazumdar, A; "Nonlocal star as a blackhole mimicker"; PHYSICAL REVIEW D 100 (2) 24031 (2019).
8. Giusti, A; "On the corpuscular theory of gravity"; INTERNATIONAL JOURNAL OF GEOMETRIC METHODS IN MODERN PHYSICS 16 (3) 1930001 (2019).
9. Stoica, OC; "Revisiting the Black Hole Entropy and the Information Paradox"; ADVANCES IN HIGH ENERGY PHYSICS 2018, 4130417 (2018).
10. Giugno, A; "Quantum post-Newtonian theory for corpuscular Black Holes"; 3RD KARL SCHWARZSCHILD MEETING - GRAVITY AND THE GAUGE/GRAVITY CORRESPONDENCE 942, 12012 (2018).
11. Giusti, A; "Horizon Quantum Mechanics: spherically symmetric and rotating sources"; 3RD KARL SCHWARZSCHILD MEETING - GRAVITY AND THE GAUGE/GRAVITY CORRESPONDENCE 942, 12013 (2018).
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13. Casadio, R; Giugno, A; Giusti, A; Lenzi, M; "Quantum corpuscular corrections to the Newtonian potential"; PHYSICAL REVIEW D 96 (4) 44010 (2017).
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16. Casadio, R; Giugno, A; Giusti, A; "Global and local horizon quantum mechanics"; GENERAL RELATIVITY AND GRAVITATION 49 (2) 32 (2017).
17. Casadio, R; Giugno, A; Giusti, A; "Matter and gravitons in the gravitational collapse"; PHYSICS LETTERS B 763, -340 (2016).
18. Lake, MJ; "Which Quantum Theory Must be Reconciled with Gravity? (And What Does it Mean for Black Holes?)"; UNIVERSE 2 (4) 24 (2016).
19. Dvali, G; Gomez, C; Wintergerst, N; "Stuckelberg formulation of holography"; PHYSICAL REVIEW D 94 (8) 84051 (2016).
20. Casadio, R; Cavalcanti, RT; Giugno, A; Mureika, J; "Horizon of quantum black holes in various dimensions"; PHYSICS LETTERS B 760, -44 (2016).
21. Kuhnel, F; Sandstad, M; "Baryon-number conservation in Bose-Einstein condensate black holes"; PHYSICAL REVIEW D 92 (12) 124028 (2015).
22. Muck, W; "Photons in a ball"; EUROPEAN PHYSICAL JOURNAL C 75 (12) 585 (2015).
23. Kuhnel, F; "Thoughts on the vacuum energy in the quantum N-portrait"; MODERN PHYSICS LETTERS A 30 (36) 1550197 (2015).
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26. Calmet, X; Casadio, R; "The horizon of the lightest black hole"; EUROPEAN PHYSICAL JOURNAL C 75 (9) 445 (2015).
27. Scardigli, F; Casadio, R; "Gravitational tests of the generalized uncertainty principle"; EUROPEAN PHYSICAL JOURNAL C 75 (9) 425 (2015).
28. Casadio, R; Kuhnel, F; Orlandi, A; "Consistent cosmic microwave background spectra from quantum depletion"; JOURNAL OF COSMOLOGY AND ASTROPARTICLE PHYSICS (9) 2 (2015).
29. Brustein, R; Medved, AJM; "Quantum state of the black hole interior"; JOURNAL OF HIGH ENERGY PHYSICS (8) 82 (2015).
30. Casadio, R; Giugno, A; Orlandi, A; "Thermal corpuscular black holes"; PHYSICAL REVIEW D 91 (12) 124069 (2015).
31. Casadio, R; "Horizons and non-local time evolution of quantum mechanical systems"; EUROPEAN PHYSICAL JOURNAL C 75 (4) 160 (2015).
32. Kuhnel, F; Sundborg, B; "High-energy gravitational scattering and Bose-Einstein condensates of gravitons"; JOURNAL OF HIGH ENERGY PHYSICS (12) 16 (2014).

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