BULGARIAN ACADEMY OF SCIENCES
INSTITUTE FOR NUCLEAR RESEARCH AND NUCLEAR ENERGY
Laboratory "Theory of Elementary Particles"

APPENDIX 1: *Publication Activity 2013*

APPENDIX 1.1: List of Publications in 2013 (incl. ISSN & ISBN):

1.1.1. Publications in Scientific Journals
1.1.1.1. **Publications in International Journals**
      1.1.1.1.1. Appeared in 2013

1. **I. Todorov**, Conformal field theories with infinitely many conservation laws, J. Math. Phys. **54** (2013) 022303 (14 pages), ISSN 0022-2488, IF=1.296

2. E.I. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva,** *"Dynamical Couplings, Dynamical Vacuum Energy and Confinement/Decofinement from R2-Gravity",* Phys. Lett. B718 (2013) 1099-1104 [ISSN: 0370-2693, IF= 3.955]

3. **N.I. Stoilova**, *The parastatistics Fock space and explicit Lie superalgebra representations*, J. Phys. A: Math. Theor. **46** (2013) 475202 (14pp) [ISSN 1751-8113 (Print), ISSN 1751-8121 (Online), IF 1.766]

4. M. Dubois-Violette, **T. Popov**. *C_{\infty}-Structure on the Cohomology of the Free 2-Nilpotent Lie Algebra*. Publications de l'Institut Mathématique (Beograd) 94 (2013), 99-109. ISSN0350-1302

5. **B.V.Ivanov**, *Weyl electrovacuum solutions and gauge invariance,* J. Space Expl. **2** (2013) № 1 [ISSN 2319-9814]

6. S.M.Bilenky and **E. Christova**, Polarization of the final nucleon in quasi-elastic neutrino scattering and the axial form factor of the nucleon, J. Phys. G: Nucl. Part. Phys. **40** (2013) 075004 (arXiv:1303.3710) [ISSN 0954-3899, IF 5.326]

7. Plamen Bozhilov, *Leading finite-size effects on some three-point correlators in AdS_5 x S^5,* Phys. Rev**. D87,** 066003 (2013), [**ISSN** 1550-7998, **IF** 4.691].

8. P.Bozhilov, P.Furlan**, V.B.Petkova, M.Stanishkov**, *Semiclassical 3-point function in WZW AdS(3) model,* J. Phys. Conf. Ser. **411**, 012008 (2013), [**ISSN** 1742-6588, **IF** ?]

9. Plamen Bozhilov, , *Leading finite-size effects on some three-point correlators in TsT-deformed AdS_5 x S^5,* Phys. Rev**. D88,** 026017 (2013), [**ISSN** 1550-7998, **IF** 4.691].

10. L.K. Anguelova, P. Suranyi, L.C.R. Wijewardhana, *Glueball Spectrum in a Gauge Theory with Two Dynamical Scales,* J. High Energy Phys. 05 (2013) 003. ISSN 1126-6708, IF = 5.618.

11.V.K. Dobrev, *Invariant Differential Operators for Non-Compact Lie Algebras Parabolically Related to Conformal Lie Algebras,* J. High Energy Phys. 02 (2013) 015. ISSN 1126-6708, IF = 5.618.

12. S. Stoimenov and M. Henkel, *Non-local representations of the ageing algebra in higher dimensions*, J. Phys. A: Math. Theor. **46** (2013) 245004; ISSN 1751-8113, IF = 1.766

13. V.K. Dobrev, *Explicit Character Formulae for Positive Energy UIRs of D=4 Conformal Supersymmetry,* J. Phys. A: Math. Theor. **46** (2013) 405202, ISSN 1751-8113, IF = 1.766

14. V.B. Petkova, *Topological defects in CFT,* Physics of Elem. Part. Atomic Nuclei, **76**, No 10, 268-1272. (2013). 1063-7788, IF = 0.539.

15. V.K. Dobrev, *Invariant Differential Operators for Non-Compact Lie Groups: the Main SU(n,n) Cases,* Physics of Elem. Part. Atomic Nuclei, **76**, No 8, 983-990 (2013). ISSN 1063-7788, IF = 0.539.

16. Daniela D. Doneva, Stoytcho S. Yazadjiev, Nikolaos Stergioulas, Kostas D. Kokkotas, "Rapidly rotating neutron stars in scalar-tensor theories of gravity", Phys. Rev. D 88, 084060 (2013), e-Print: arXiv:1309.0605 [gr-qc] [**ISSN** 1550-7998, **IF** 4.691].

17. Daniela D. Doneva, Erich Gaertig, Kostas D. Kokkotas, Christian Krüger, "Gravitational wave asteroseismology of fast rotating neutron stars with realistic equations of state", Phys.Rev. D88 (2013) 044052, e-Print: arXiv:1305.7197 [astro-ph.SR] [**ISSN** 1550-7998, **IF** 4.691].

18. A. Passamonti, E. Gaertig, K. Kokkotas, **D. Doneva**, "Gravitational waves from the evolution of the f-mode instability in neutron stars", Phys. Rev. D 87, 084010 (2013), arXiv:1209.5308 [astro-ph.SR] [**ISSN** 1550-7998, **IF** 4.691].

19. Ivan Zh. Stefanov**, Daniela D. Doneva**, Stoytcho S. Yazadjiev, Kostas D. Kokkotas, Michail D. Todorov, "*Thermodynamic phase structure of charged anti-de Sitter scalar-tensor black holes*", J.Phys.Conf.Ser.453 (2013) 012017 [ISSN 1742-6588, IF ?]

20. G. Georgiev, **N. Ilieva**, V. Kozhuharov, I. Lessigiarska, L. Litov, B. Pavlov, P. Petkov, „*Multigap RPC for PET: development and optimisation of the detector design", JINST 8 (2013) P01011; <u>doi:10.1088/1748-0221/8/01/P01011</u>*
*(**IF 1.869, ISSN: 1748-0221**)*

21. N. Minkov, **S. Drenska**, K. Drumev, M. Strecker, H. Lenske and W. Scheid. " Non-yrast spectra of odd-A nuclei in a model of coherent quadrupole-octupole motion." Phys. Rev. C, 88, 064310, 8 pages (2013) ISSN 0556-2813, IF 3.308.

1.1.1.1.2. **submitted/accepted for publication in 2013**

1. E.I. Guendelman, **E. Nissimov** and **S. Pacheva,** *"Charge-Confining Gravitational Electrovacuum Shock Wave",* arxiv:1310.1558[hep-th], to appear in Mod. Phys. Lett. A [ISSN: 0217-7323, IF=1.11]

2. S.M.Bilenky and **E. Christova**, On the polarization of the final nucleon in NC elastic \nu_\mu (\bar\nu_\mu) - N scattering, arXiv:1307.7275, to appear in Physics of Elem. Particles and Atomic Nuclei, , Letters, No 7, 2013 [ISSN 1814-5957, IF 0.672]

3. E. Leader, A. V. Sidorov and **D. B. Stamenov**, *Importance of Fragmentation Functions in Determining Polarized Parton Densities,* to appear in Physics of Elem. Particles and Atomic Nuclei, 2014, Vol. 45, No. 1, pp. 43–45 (ISSN 1063-7796, IF 0.672)

4. L.K. Anguelova, P. Suranyi, L.C.R. Wijewardhana, *On the Stability of D7 - anti-D7 probes in Near-conformal Backgrounds,* arXiv:1306.1981 [hep-th], to appear in Nucl. Phys.B [ISSN 0550-3213, IF 4.642]

5. L.K. Anguelova, P. Suranyi, L.C.R. Wijewardhana, *Stability of D-brane Embeddings in Nontrivial Backgrounds,* arXiv:1309.6678 [hep-th], to appear in J. High Energy Phys. [ISSN 1126-6708, IF = 5.618]

6. V.K. Dobrev, *Non-Relativistic Holography (A Group-Theoretical Perspective),* arXiv:1312.0219, to appear in Int. J. Mod. as Invited review. [ISSN 0217-751X , IF 1.000].

7. Daniela D. Doneva, Stoytcho S. Yazadjiev, Nikolaos Stergioulas, Kostas D. Kokkotas, "Breakdown of I-Love-Q universality in rapidly rotating relativistic stars", Astrophys. J. Lett., 781, L6 (2014), e-Print: arXiv:1310.7436 [gr-qc] [ISSN 2041-8205, IF=6.345]

8. N.M. Nikolov, R. Stora, **I. Todorov**, *Renormalization of massless Feynman amplitudes in configuration space*, Preprint CERN-TH-PH/2013-107 (2013); arXiv:1307.6854 [hep-th], to appear in Rev. Math. Phys. [ISSN 0034-4877, IF= 0.756]

9. Michael Kenn, Reiner Ribarics, **Nevena Ilieva**, Wolfgang Schreiner, *"Finding Semi-Rigid Domains in Biomolecules by Clustering of Pair-Distance Variations",* BioMed Res. Int. (Computational and Bioinformatics Techniques for Immunology) (ISSN: 2314-6141; IF: 2.880) *(to appear)*

1.1.1.2. **Publications in National Journals**
    1.1.1.2.1. Appeared in 2013
1. E.I. Guendelman, **E. Nissimov**, **S. Pacheva** and M. Vasihoun**,** *"Dynamical Volume Element in Scale-Invariant and Supergravity Theories",* Bulg. J. Phys. 40 (2013) 121--126 [ISSN: 1310-0157]

2. E.I. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva,** *"Lightlike Membranes in Black Hole and Wormhole Physics, and Cosmology"*, Bulg. J. Phys. 40 (2013) 134--140 [ISSN: 1310-0157]

3. E.I. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva,** *"Dynamical Couplings and Charge Confinement/ Deconfinement from Gravity Coupled to Nonlinear Gauge Fields"*, Bulg. J. Phys. 40 (2013) 127--133 [ISSN: 1310-0157]

4. E.I. Jafarov, **N.I. Stoilova** and J. Van der Jeugt, *The $u(2)_\alpha$ and $su(2)_\alpha$ Hahn harmonic oscillators*, Bulg. J. Phys. **40** (2013) 115-120 (6pp) [ISSN 1310-0157 (Print), ISSN 1314-2666 (Online)]

5. I. Todorov, *Studying quantum field theory*, Bulg. J. Phys. **40** (2013) 93-114, ISSN 1310-0157

6. L. Hadjiivanov, P. Furlan, *SU(n) WZNW fusion and a Q-algebra*, Bulg. J. Phys. **40:2** (2013) 141-146, ISSN 1310-0157

7. B. Damyanov, *On Generalized Models and Singular Products of Distributions in Colombeau Algebra G(R),* Mathematica Balkanica *(New Series)*, Vol.**27** (**2013**), Fasc. 1-2, 1-16, *Sofia.* ISSN 0205-321

1.1.1.2.2. submitted/accepted for publication in 2013

1.1.2. Publications of Full-Text Contributions in Conference Proceedings
1.1.2.1. **Publications in International Conference Proceedings**
1.1.2.1.1. Appeared in 2013

1. E.I. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva,** *"Lightlike Braneworlds in Anti-de Sitter Bulk Space-times"*, Springer Proceedings in Mathematics and Statistics 36 (2013) 169-183, ed. V. Dobrev, Springer [ISSN: 2194-1009]

2. E.I. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva,** *"Gravity, Nonlinear Gauge Fields and Charge Confinement/Deconfinement",* in *"Seventh Mathematical Physics Meeting",* B. Dragovic and Z. Rakic (eds.), Belgrade Inst. Phys. Press, 2013 [ISBN 978-86-82441-30-4].

3. N.M. Nikolov, R. Stora, **I. Todorov**, *Euclidean configuration space renormalization, residues and dilation anomaly*, V. Dobrev (ed.), Lie Theory and Its Applications in Physics: IXth International Workshop, Springer Proceedings in Mathematics & Statistics **36**, Springer Japan 2013, pp. 127-147, ISBN 978-4-431-54269-8.

4. L. Hadjiivanov, P. Furlan, "*On quantum WZNW monodromy matrix - factorization, diagonalization, and determinant",* V. Dobrev (ed.), Springer Proceedings in Mathematics and Statistics, Vol. **36** (2013), pp. 287-297, ISBN 978-4-431-54269-8.

5. M. Dubois-Violette, **T. Popov.** *Young tableaux and homotopy commutative algebra*, in Proceedings of the IX International Workshop "Lie Theory and Its Applications in Physics", (Vl. Dobrev ed.), Springer Proceedings in Mathematics & Statistics 36 (2013), 191-201.

6. M. Dubois-Violette, **T. Popov**. *Homotopy commutative algebra and 2-nilpotent Lie algebra*, Proceedings Algebra, Geometry and Mathematical Physics, Mulhouse, Editors A. Makhlouf, E. Paal, S. Silvestrov and A.Stolin, Conference Series Springer (2013), 137-146.

7. T. Popov, *Parafermions and Homotopy Algebras*, Proceedings of VIIth Mathematical Physics Meeting, eds B. Dragovich and Z. Rakic, Institute of Physics, Belgrade(2013), 289-303.

8. P. Bozhilov, P. Furlan, **V.B. Petkova and M. Stanishkov,** *Semiclassical 3-point function in WZW AdS_3 model*, in the proceedings of the 20th Colloquium `Integrable Systems and Quantum Symmetries', Prague, June 17-23, 2012, J. Phys.: Conf. Ser. **411** (2013) 012008. doi:10.1088/1742-6596/411/1/012008, ISSN 1742-6588

9. V.K. Dobrev, *Invariant Operators in Schrödinger Setting*, Invited talk at 32nd International Conference on Quantum Probability and Related Topics, Proceedings, Vol. 29 of Conference series: "Quantum Probability and White Noise Analysis", eds. L. Accardi and F. Fagnola (World Sci, 2013, ISBN 978-981-4447-53-9) pp. 67-83.

10. S Stoimenov and M. Henkel, *Non-Local Space-Time Transformations Generated from the Ageing Algebra*, in: "Springer Proceedings in Mathematics and Statistics" Vol. 36 (ISBN 978-4-431-54269-8), (Springer, Tokyo-Heidelberg, 2013) pp. 369-379.

11. V.K. Dobrev, *Invariant Differential Operators for Non-Compact Lie Groups: the Sp(n,R) Case*, in: "Springer Proceedings in Mathematics and Statistics" Vol. 36 (ISBN 978-4-431-54269-8), (Springer, Tokyo-Heidelberg, 2013) pp. 311-335.

12. V.K. Dobrev, *Invariant Differential Operators for Non-Compact Lie Groups: Euclidean Jordan Groups or Conformal Lie Groups*,   J. Phys.: Conf. Ser. **411** (2013) 012012

13. V.K. Dobrev, *Conservation Laws for SO(p,q),* in: "Symmetries and Groups in Contemporary Physics", Nankai Series in Pure, Applied Mathematics and Theoretical Physics, Vol. 11 (World Scientific, Singapore, 2013), pp. 461-466;

14. V.K. Dobrev, *Special Reduced Multiplets and Minimal Representations for Sp(n,R)*, arXiv:1301.2773, Invited talk at the VII Mathematical Physics Meeting, (9-19 September 2012), Proceedings, eds. B. Dragovic and Z. Rakic, Belgrade Inst. Phys. Press, 2013 [ISBN 978-86-82441-30-4]. pp. 151-170.

15. N.M. Nikolov, *" Algebraic Structures in Renormalization ",* in *"Seventh Mathematical Physics Meeting",* B. Dragovic and Z. Rakic (eds.), Belgrade Inst. Phys. Press, 2013 [ISBN 978-86-82441-30-4].

1.1.2.1.2.   submitted/accepted for publication in 2013

1. E.I. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva,** *"f(R)-Gravity: Einstein Frame Lagrangian Formulation, Non-Standard Black Holes and QCD-like Confinement/Deconfinement"*, arxiv:1312.3083 [hep-th], to appear in Springer Proceedings in Mathematics and Statistics, ed. V. Dobrev, Springer [ISSN: 2194-1009]

2. B. Damyanov, *„Results on Modeling and Products of Singularities in Colombeau Algebra G(R)",* arxiv:1305.7127 [math.FA]

3. E. Leader, A. V. Sidorov and **D. B. Stamenov**, *Importance of Semi Inclusive DIS Processes in Determining Fragmentation Functions*, to appear in Proceedings of the XV Workshop on High Energy Spin Physics, Dubna, Russia, October 8-12, 2013.

4. V.K. Dobrev, *Classification of Invariant Differential Operators for Non-Compact Lie Algebras via Parabolic Relations*, arXiv:1311.7557 [hep-th math.RT], Talk at the VIII International Symposium "Quantum Theory and Symmetries", Mexico City, August 5-9, 2013.

5. V.K. Dobrev, *Invariant Differential Operators for Non-Compact Lie Groups: the Reduced SU(3,3) Multiplets*, arXiv:1312.5998, [hep-th math.RT], Plenary talk at the International Workshop 'Supersymmetries and Quantum Symmetries', Dubna, July 29 - August 3, 2013.

6. S.M.Bilenky and **E. Christova**, *The axial form factor and polarization of the final nucleon in quasi-elastic \nu-N scattering*, to appear in Proceedings of the XV Workshop on High Energy Spin Physics, Dubna, Russia, October 8-12, 2013.

7. P. Petkov, D. Grancharov, S. Markov, G. Geotrgiev, E. Lilkova, **N. Ilieva**, and L. Litov, „*Massively parallel Poisson equation solver for hybrid Intel Xeon – Xeon Phi HPC systems*", http://www.prace-ri.eu/IMG/pdf/WP143

8. P. Petkov, E. Lilkova, S. Markov, D. Grancharov, **N. Ilieva**, and L. Litov, „*AGBNP2 implicit solvent library for Intel® MIC Architecture*", http://www.prace-ri.eu/IMG/pdf/WP146

1.1.2.2 **Publications in National Conference Proceedings**
      1.1.2.2.1.   Appeared in 2013

1. **А. Кюлджиев**, М. Матев, *Извънкласните изследователски задачи – недоизползвани възможности*, Сборник с доклади на Първата национална конференция с международно участие ИНОВАЦИИ ПРИ ИНТЕГРИРАНЕ НА ФОРМАЛНОТО И НЕФОРМАЛ-НОТО ОБРАЗОВАНИЕ ЗА РАЗВИТИЕ НА ТАЛАНТИТЕ И СПОСОБНОСТИТЕ, 8-9 май 2013, стр. 3-9, ISBN 978-619-90168-2-4

2. N. Minkov, **S. Drenska**, M. Strecker. "A Model for Quasi Parity-Doublet Spectra with Strong Coriolis Mixing." Vol. 32, Proceedings of the 32-th International Workshop on Nuclear Theory (Rila, Bulgaria 2013), eds. A. Georgieva, N. Minkov, Heron Press, Sofia.

1.1.2.2.2.   submitted/accepted for publication in 2013

1**. А. Кюлджиев**, *Извънкласните изследователски задачи*, Сборник с доклади на 41-ва Национална конференция по въпросите на обучението по физика/Втори национален конгрес по физически науки, 25-29 септември 2013

1.1.3.   Advanced Textbooks and monographs
   1.1.3.1. published abroad
   1.1.3.2. published in Bulgaria
1.1.4.   Popular-Level Scientific Publications
   1.1.4.1. books & brochures
   1.1.4.2. articles

1. M. Barth, M. Byckling, **N. Ilieva**, S. Saarinen, M. Schliephake, and V. Weinberg (Editor), „*Best Practice Guide Intel Xeon Phi", v0.1, 31-03-2013* http://www.prace-ri.eu/IMG/pdf/Best-Practice-Guide-Intel-Xeon-Phi.pdf

   1.1.4.3. Undergraduate Textbooks and Textbooks for Highschools

1.1.5. INDEPENDENT CITATIONS   of Works of the Laboratory Members in International Scienctific Publications appeared in 2013

Cited Work: I. Aref'eva, **E. Nissimov, S. Pacheva,** *BPHZL renormalization of 1/N expansion and critical behaviour of the three-dimensional chiral field,* Commun. Math. Phys. **71** (1980) 213 [ISSN 0010-3616, IF 1.971]

   1. Flore, R., Wipf, A., Zanusso, O., Phys. Rev. D87 (2013) 065019 [ISSN 1550-7998, IF 4.691]

   2. Lehum, A.C., Da Silva, A.J., Physical Review D 88 (2013) 067702 [ISSN 1550-7998, IF 4.691]

Cited Work: **E. Nissimov, S. Pacheva**, S. Solomon, *Covariant Canonical Quantization of the Green-Schwarz Superstring,* Nucl. Phys. B297 (1988) 349 [ISSN 0550-3213, IF 4.327]

   3. Bandos, I.A, Classical and Quantum Gravity 30 (2013) 235011 [ISSN: 0264-9381, IF 3.562]

Cited Work: **E. Nissimov** and **S. Pacheva**, *Manifestly superPoincaré-covariant quantization of the Green-Schwarz superstring,* Phys. Lett. **202B** (1988) 325-332 [ISSN: 0370-2693, IF 3.955]

   4. Bandos, I.A, Classical and Quantum Gravity 30 (2013) 235011 [ISSN: 0264-9381, IF 3.562]

Cited Work: **E. Nissimov, S. Pacheva**, S. Solomon, *Off-Shell Superspace D=10 Super Yang-Mills From Covariantly Quantized Green-Schwarz Superstring*, Nucl. Phys. B317 (1989) 344 [ISSN 0550-3213, IF 4.327]

   5. Bandos, I.A, Classical and Quantum Gravity 30 (2013) 235011 [ISSN: 0264-9381, IF 3.562]

Cited Work: H. Aratyn, **E. Nissimov** and **S. Pacheva,** *Darboux-Bäcklund solutions of SL (p,q) KP-KdV hierarchies, Constrained Generalized Toda Lattices, and Two-Matrix String Model*, Phys. Lett. **201A** (1995) 293 [ISSN 0375-9601, IF 1.632]

   6. Cheng, J., He, J., Journal of Mathematical Analysis and Applications 410 (2013) 989-1001 [ISSN: 0022-247X, IF 1.050]

Cited Work: H. Aratyn, **E. Nissimov** and **S. Pacheva,** *Virasoro Symmetry of Constrained KP Hiererachies*, Phys. Lett. **228A** (1997) 164 [ISSN 0375-9601, IF 1.632]

   7. Li, M., Li, C., Tian, K., He, J., Cheng, Y., J. Math. Phys. 54 (2013) 043512 [ISSN 0022-2488, IF 1.291]

Cited Work: H. Aratyn, **E. Nissimov** and **S. Pacheva,** *Constrained KP Hierarchies: Additional Symmetries, Darboux-Backlund Solutions and Relations to Multi-Matrix Models,* Int. J. Mod. Phys. A12 (1997) 1265-1340 [ISSN 0217-751X, IF 1.127]

8. Jipeng Cheng, Maohua Li, Jingsong He, "Virasoro Action on the Tau-Function for the Constrained Discrete KP Hierarchy", Reports on Math. Physics 72 (2013) [ISSN: 0034-4877, IF 0.756]

9. Chvartatskyi, O., Sydorenko, Yu., J. Phys.: Conf. Ser. 411 (2013) 012010 [ISSN 1742-6588]

10. Li, M., Cheng, J., He, J., Mod. Phys. Lett. B27 (2013) 1350043 [ISSN: 0217-7323, IF=1.11]

11. Chvartatskyi, O.I., Sydorenko, Y.M., Journal of Mathematical Physics 54 (2013) 113508 [ISSN 0022-2488, IF 1.291]

12. Xing Xiu-zhi, Wu Jing-zhu, Geng Xian-guo, Journal Appl. Math., vol. 2014, art. ID 438741, to appear

Cited Work:H. Aratyn, **E. Nissimov** and **S. Pacheva**, *Method of Squared Eigenfunction Potentials in Integrable Hierarchies of KP Type*, Commun. Math. Phys. 193 (1998) 493-525 [ISSN 0010-3616, IF 1.971]

13. Cheng, J., He, J., J. Math. Phys. 54 (2013) 023511
14. Jipeng Cheng, Maohua Li, Jingsong He, "*Virasoro Action on the Tau-Function for the Constrained Discrete KP Hierarchy",* Reports on Math. Physics 72 (2013) [ISSN: 0034-4877, IF 0.756]

15. Cheng, J.-P., He, J.-S., Comm. Theor. Phys. 59 (2013) 131-136 [ISSN 0253-6102, IF 0.954]
16. Lin, R., Liu, X., Zeng, Y., Journal of Nonlinear Mathematical Physics 20 (2013) 214-228 [ISSN 1402-9251, IF 0.569]

Cited Work:H. Aratyn, **E. Nissimov** and **S. Pacheva**, *Supersymmetric Kadomtsev-Petviashvili hierarchy: ghost symmetry structure, reductions and Darboux -Backlund solutions,* J. Math. Phys. **40** (1999) 2922 [ISSN 0022-2488, IF 1.291]

17. Tao, S., Xia, T., Advances in Mathematical Physics (2013), art. no. 520765 [ISSN 16879120, IF 0.459]

Cited Work:H. Aratyn, **E. Nissimov** and **S. Pacheva**, *Multi-Component Matrix KP Hierarchies as Symmetry-Enhanced Scalar KP Hierarchies and Their Darboux-Backlund Solutions,* in "Backlund and Darboux Transformations: The Geometry of Soliton Theory", CRM Proc. Lect. Notes 29, eds. P. Winternitz et.al.., AMS Press and CRM -- Univ. Montreal Publ. (2001) [ISBN-13: 978-0-8218-2803-8]

18. Lin, R., Liu, X., Zeng, Y., Journal of Nonlinear Mathematical Physics 20 (2013) 214-228 [ISSN 1402-9251, IF 0.569]

Cited Work:E. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva**, *String and Brane Models with Spontaneously or Dynamically Induced Tension*, Phys. Rev. D66 (2002) 046003 [ISSN 1550-7998, IF 4.691]

19. Ambjorn,J., Goerlich,A., Jurkiewicz,J., Loll,R., Int. Journ. Mod. Phys. D22 (2013) 1330019 [ISSN 0218-2718, IF 0.949]

Cited Work:E. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva**, *Strings, p-Branes and Dp-Branes With Dynamical Tension*, in Second Internat. School on Modern Math. Physics, p.271, B. Dragovic and B. Sazdovic (eds.), Belgrade Inst. Phys. Press (2003) [ISBN 978-86-82441-30-4]

20. Ambjorn,J., Goerlich,A., Jurkiewicz,J., Loll,R., Int. Journ. Mod. Phys. D22 (2013) 1330019 [ISSN 0218-2718, IF 0.949]

Cited Work:E. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva**, *Weyl-Invariant Light-Like Branes and Black Hole Physics,* arxiv:hep-th/0409078, Annual Workshop of European RTN *"EUCLID",* Sozopol (Bulgaria, 2004)

21. Ambjorn,J., Goerlich,A., Jurkiewicz,J., Loll,R., Int. Journ. Mod. Phys. D22 (2013) 1330019 [ISSN 0218-2718, IF 0.949]

Cited Work:E. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva**, *Novel Aspects in p-Brane Theories: Weyl-Invariant Light-Like Branes*, in "Second Workshop on Gravity, Astrophysics and Strings", pp.170-182, P. Fiziev et.al. (eds), Sofia Univ. Press (2005)

22. Ambjorn,J., Goerlich,A., Jurkiewicz,J., Loll,R., Int. Journ. Mod. Phys. D22 (2013) 1330019 [ISSN 0218-2718, IF 0.949]

Cited Work:E. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva**, Phys. Rev. D72 (2005) 086011 [ISSN 1550-7998, IF 4.691]

23. M. Cruz, E. Rojas, Class. Quant. Grav. 30 (2013) 115012 [ISSN: 0264-9381, IF 3.562]

Cited Work:E. Guendelman, A. Kaganovich, **E. Nissimov** and **S. Pacheva**, *Einstein–Rosen bridge needs lightlike brane source*, Phys. Lett. **B681** (2009) 457-462 [ISSN: 0370-2693, IF= 3.955]

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