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

APPENDIX 1: *Publication Activity 2012*

APPENDIX 1.1: List of Publications in 2012 (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 2012

1. Plamen Bozhilov, *Three-point correlators:Finite-size giant magnons and singlet scalar operators on higher string levels,*
Nucl. Phys. **B855** (2012) 268-279 [**ISSN** 0550-321, **IF** 4.661]

2. P.Bozhilov, P.Furlan, **V.B.Petkova, M.Stanishkov**, *On the semiclassical 3-point function in AdS_3,* Phys. Rev**. D86** (2012)
066005 [**ISSN** 1550-799, **IF** 4.558]

3. 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 (arxiv:1207.6775[hep-th]) [ISSN: 0370-2693,
IF= 3.955]

4. B.V.Ivanov, *" Collapsing shear-free perfect fluid spheres with heat flow",* **Gen. Relativ. Gravit.** 44 (2012) 1835 [ISSN 0001-7701,
IF 2.069] (студия).

5. P. Furlan, **L. Hadjiivanov**, Quantum su(n)$_k$ monodromy matrices, J. Phys. A: Math. Theor. **45** (2012) 165202 (16pp) [ISSN
1751-8113 (Print), ISSN 1751-8121 (Online), **IF** 1,564]

6. E.I. Jafarov, **N.I. Stoilova** and J. Van der Jeugt, Deformed su(1,1) algebra as a model for quantum oscillators, **SIGMA 8** (2012) 025 (15pp) [ISSN 1815-0659, **IF** 1,071]

7. V.K. Dobrev, "Group-Theoretical Classification of BPS and Possibly Protected States in D=4 Conformal Supersymmetry", Nucl. Phys. **B854** (2012) 878-893, [ISSN 0550-3213, IF = 4.661]

8. V.K. Dobrev, "Group-Theoretical Classification of BPS States in D=4 Conformal Supersymmetry: the Case of (1/N)-BPS", Phys. Part. Nucl. **43** (2012) 616—620, [ISSN 1063-7796, .IF = 0.519]

9. E. Lilkova, G. Nacheva, P. Petkov, P. Petkov, S. Markov, **N. Ilieva**, and L. Litov, Metadynamics study of mutant human interferon gamma forms, Computers and Mathematics with Applications (CAMWA) **64** (2012) 272-277 [**ISSN** 0898-1221, **IF** 1.747]

10. G. Nacheva, E. Lilkova, P. Petkov, P.St. Petkov, **N. Ilieva**, S. Markov, S. Petrov, I. Ivanov, and L. Litov, In silico studies on the stability of human interferon-gamma mutants, Biotechnol. & Biotechnol. Eq. **26** (2012) 200-204 [**ISSN** 1310-2818**, IF** 0.760]

11. W. Schreiner, R. Karch, B. Knapp and **N. Ilieva**, *Relaxation Estimation of RMSD in Molecular Dynamics Immunosimulations,* Computational and Mathematical Methods in Medicine, Volume 2012, Article ID 173521, 9 p.; doi:10.1155/2012/173521 2012 [**ISSN** 1748-6718**, IF** 0.684]

12. Daniela D. Doneva, Stoytcho S. Yazadjiev, "*Gravitational wave spectrum of anisotropic neutron stars in Cowling approximation*", **Phys.Rev. D85** (2012) 124023 [**ISSN** 1550-2368, **IF** 4.558]

13. Stoytcho S. Yazadjiev, **Daniela D. Doneva**, „*Possible dark energy imprints in gravitational wave spectrum of mixed neutron-dark-energy stars*", **JCAP** 1203 (2012) 037 [**ISSN** 1475-7516, **IF** 5.723]

14. M. Dubois-Violette and **T. Popov**, Homotopy Transfer and Self-Dual Schur Modules, Physics of Particles and Nuclei 43 (2012), 708-710 [ISSN 1063-7796 IF 0.52]

15. A. Kyuldjiev, *Manev's Problem, 87 Years Later,* Journal Of Applied Electromagnetism, Vol. **14**, No.1 (2012) 29–41 [ISSN: 1109-1606]

16. N. Minkov, **S. Drenska**, M. Strecker, W. Scheid and H. Lenske, "Non-yrast nuclear spectra in a model of coherent quadrupole-octupole motion", Phys. Rev. C **85** (2012) 034306 1-19 [ISSN 0556-2813, IF 3.308]

17. N. Minkov, **S. Drenska**, M. Strecker and W. Scheid, "Nuclear alternating-parity bands and transition rates in a model of coherent quadrupole-octupole motion", Int.J.Mod.Phys. E; 21 (2012) 1250021, 1-9 [ISSN 0218-3013, IF 0.695]

1.1.1.1.2. submitted/accepted for publication in 2012

1. Plamen Bozhilov, *Leading finite-size effects on some three-point correlators in AdS_5 x S^5,* e-Print: arXiv:1212.3485 [hep-th]

 2. V.K. Dobrev, "Invariant Differential Operators for Non-Compact Lie Algebras Parabolically Related to Conformal Lie Algebras", to appear in **JHEP** [ISSN 1126-6708, IF 5.831] arXiv:1208.0409 [hep-th], CERN-PH-TH/2012-215.

3. V.K. Dobrev, "Explicit Character Formulae for Positive Energy UIRs of D=4 Conformal Supersymmetry",
arXiv:1208.6250, CERN-PH-TH/2012-232.

4. 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 *(to appear)* [**ISSN** 1748-0221**, IF** 1.869]

5.K.Hidaka, A.Bartl, H.Eberl, **E.Ginina**, B.Herrmann, W. Majerotto, W.Porod, *Flavour violating bosonic squark decays at LHC,*
arXiv:1212.4688, 21 pages

6. B. Damyanov, *On models of singularities and their products in Colombeau algebra G* (R*),*   Integral Transforms ans Special Functions, vol.**23/2013,** [Print ISSN: 1065-2469, Online ISSN: 1476-8291, IF: 0.831] (letter by editor)

1.1.1.2. **Publications in National Journals**
 1.1.1.2.1. Appeared in 2012

1. I. Todorov, *Quantization is a Mystery*, Bulg.J.Phys. **39** (2012) 107-149 [ISSN 1310-0157]

2. D. Grancharov, E. Lilkova, N. Ilieva, P. Petkov, L. Litov, *Open Problems in High-Performance Molecular-Dynamics Simulations Information Technologies and Control*, vol. 2 (2012) (John Atanasoff Society of Automatics and Informatics, Sofia, 2012) [ISSN: 1312-2622]

 1.1.1.2.2. submitted/accepted for publication in 2012
 1.B. Damyanov, *On Generalized Models and Singular Products of Distributions in Colombeau Algebra G(R),* **Mathematica Balkanica,** *(New Series)*, Vol.**27** (**2013**)**,** *Bulgar. Acad. Sci., Sofia.* [ISSN 0205-3217] (letter by editor)

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 2012

1. N. Aizawa and **V.K. Dobrev**, "Schrödinger Algebra and Non-Relativistic Holography", J. Phys.: Conf. Ser. 343 (2012) 012007. [**ISSN**: 1742-6588].

2. V.K. Dobrev, "Invariant Operators in Schrödinger Setting",   Invited talk at 32nd International Conference on Quantum Probability and Related Topics, Levico (Trento), 29.5-4.6.2011, Proceedings, Vol. 29 of Conference series: "Quantum Probability and White Noise Analysis", eds. L. Accardi and F. Fagnola (World Sci, Singapore, ISBN 978-981-4447-539) pp. 67-83.

3. B. Pavlov, G. Georgiev, V. Kozhuharov, I. Lessigiarska, L. Litov, P. Petkov, **N. Ilieva**, *A multigap RPC based detector for gamma rays,* PoS (RPC2012) 038 (http://pos.sissa.it/archive/conferences/159/038/RPC2012_038.pdf)

4. D. Grancharov, E. Lilkova, **N. Ilieva**, P. Petkov, S. Markov and L. Litov, Analysis of symplectic integration algorithms with variable step size for petascale biomolecular simulations, PRACE-1IP white paper,
https://bscw.zam.kfa-juelich.de/bscw/bscw.cgi/728640

5. E. Leader, A. V. Sidorov and **D. B. Stamenov**, *The strange quark polarization puzzle*. In the Proceedings of the XIV International Workshop on High Energy Spin Physics (DSPIN-11), September 20-24, 2011, Dubna, Russia (edited by A.V. Efremov and S.V. Goloskokov, Dubna, 2012, pp. 139-144) [ISBN 978-5-9530-0315-5]

6. **E. Christova** and E. Leader, *Tests for the assumptions on the fragmentation functions,* Proc. of the XIV workshop on High Energy Spin Physics, DSPIN 11, pp. 57 - 60 [ISBN 978-5-9530-0315-5]

7. K.Hidaka, A.Bartl, H.Eberl, **E.Ginina**, B.Herrmann, W. Majerotto, W.Porod, *Flavour violating squark and gluino decays at LHC*, Proc. of 36th International Conference on High Energy Physics, PoS (ICHEP2012) 110, arXiv:1212.0203

8. O. Ogievetsky, **T. Popov**. Drinfeld-Jimbo Quantum Lie Algebra. Proceedings of the workshop "Scientific and Human Legacy of Julius Wess", International Journal of Modern Physics: Conference Series 13 (2012), 149-157 [ISSN: 2010-1945]

9. 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 [ISSN: 2194-1009]

10. N. Minkov, **S. Drenska**, K. Drumev, M. Strecker, H. Lenske and W. Scheid, *"Non-yrast quadrupole-octupole spectra",* Vol. 38 (2012), 1201 (1-6) NSRT12 − *International Conference on Nuclear Structure and Related Topics*, S. Ershov, T. Shneydman, A. Vdovin and A. Zubov (Eds.)

1.1.2.1.2.   submitted/accepted for publication in 2012

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",* arxiv:1211.6670[hepth], in *"Seventh Mathematical Physics Meeting",* B. Dragovic and Z. Rakic (eds.), Belgrade Inst. Phys. Press, 2013 [ISBN 978-86-82441-30-4].

3. P. Bozhilov, P. Furlan, **V.B. Petkova** and **M. Stanishkov**, *"Semiclassical 3-point function in WZW AdS_3 model",* Invited talk (**V.B.P.**) at the 20th Colloquium `Integrable Systems and Quantum Symmetries', Prague, 17-23.6.2012; to appear in the Proceedings, ed. C. Burdik et al.

4. V.K. Dobrev, "Invariant Differential Operators for Non-Compact Lie Groups: Euclidean Jordan Groups or Conformal Lie Groups", Invited talk at the 20th Colloquium `Integrable Systems and Quantum Symmetries', Prague, 17-23.6.2012; to appear in the Proceedings, ed. C. Burdik et al.

5. V.K. Dobrev, "Invariant Differential Operators for Non-Compact Lie Groups: the Sp(n,R) Case" , Springer Proceedings in Mathematics and Statistics 36 (2013) 184-206, ed. V. Dobrev, Springer [ISSN: 2194-1009]

6. V.K. Dobrev, "Conservation Laws for SO(p,q)", arXiv:1210.8067,   Invited talk at XXIX International Colloquium on Group-Theoretical Methods in Physics, Chern Institute of Mathematics, Nankai   Univ., China, August 20-26, 2012, to appear in the Proceedings.

7. V.K. Dobrev, Special Reduced Multiplets and Minimal Representations for Sp(n,R), to appear in the Proceedings of *"Seventh Mathematical Physics Meeting",* B. Dragovic and Z. Rakic (eds.), Belgrade Inst. Phys. Press, 2013 [ISBN 978-86-82441-30-4].

8. E. Leader, A. V. Sidorov and **D. B. Stamenov**, *Importance of Fragmentation Functions in Determining Polarized Parton Densities*. arXiv:1212.3204 [hep-ph]. To appear in the Proceedings of the 20th International Spin Physics Symposium (SPIN2012), JINR, Dubna, Russia, September 17 - 22, 2012.

9. M. Dubois-Violette, **T. Popov**, *Young Tableaux and homotopy algebra C_∞,* Springer Proceedings in Mathematics and Statistics 36 (2013) 191-201, ed. V. Dobrev, Springer [ISSN: 2194-1009]

10. M. Dubois-Violette, **T. Popov,** *2-Step Nilpotent Lie algebras and C_∞ - algebras.* Proceedings of *"XVII Geometrical Seminar"*, Zlatibor 2012, ed. Zoran Rakic (to appear)

11. M. Dubois-Violette, **T. Popov,** *Parastatistics and C_∞ - algebras.* to appear in the Proceedings of *"Seventh Mathematical Physics Meeting",* B. Dragovic and Z. Rakic (eds.), Belgrade Inst. Phys. Press, 2013 [ISBN 978-86-82441-30-4].

12. S. Stoimenov and M. Henkel, *Non-local representations of ageing algebra in higher dimensions,* arxiv:1212.6156

13. S. Stoimenov and M. Henkel, *Non-local space-time transformations generated from the ageing algebra.* Springer Proceedings in Mathematics and Statistics 36 (2013), ed. V. Dobrev, Springer [ISSN: 2194-1009]

14. J.-L. Loday, **N.M. Nikolov**, *Operadic construction of the renormalization group*, Springer Proceedings in Mathematics and Statistics 36 (2013), ed. V. Dobrev, Springer [ISSN: 2194-1009]

15. N.M. Nikolov, R. Stora and **I. Todorov**, *Euclidean Configuration Space Renormalization, Residues and Dilation Anomaly*, Springer Proceedings in Mathematics and Statistics 36 (2013), ed. V. Dobrev, Springer [ISSN: 2194-1009]

16. I. Todorov, *Conformal field theories with infinitely many conservation laws*, Lecture at the TH Journal Club (CERN), arXiv:1207.3661 [math-ph]

1.1.2.2 **Publications in National Conference Proceedings**

1.1.2.2.1.   Appeared in 2012

1. N. Minkov, **S. Drenska**, K. Drumev, M. Strecker, H. Lenske and W. Scheid, *"Description of non-yrast split parity bands in odd-A nuclei, Nuclear Theory"*, Vol. 31, Proceedings of the *31-th International Workshop on Nuclear Theory* (Rila, Bulgaria 2012), eds. A. Georgieva, N. Minkov, Heron Press, Sofia.

1.1.2.2.2.   submitted/accepted for publication in 2012

1. N.I. Stoilova, *"Acad. Christo Christov – a remarkable theoretical physicist and teacher, inventor and organizer of science",* Proceedings of the Symposium Dissemination and development of physics and mathematics on the Balkans, Sofia (2012), to appear

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. L. Hadjiivanov, *"Manifold Destiny",* World of Physics, **35** (2012) 440 [ISSN 0861-4210] (Translation from English and preface by translator of the original article: S. Nasar, D. Gruber, Annals of Mathematics, The New Yorker (August 28, 2006) 44-57)

2. N.I. Stoilova, *"Thank You, My Teacher!",* in N. Balabanov, *"Revelations",* Plovdiv State Univ. Press [ISBN 978-954-423-767-7]

3. E. Christova, *"Hadron Structure - What We Know and What We Don't Know",* World of Physics **35** (2012) 181 [ISSN 0861-4210]

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 2012

Cited Work:
  Changrim Ahn, **P. Bozhilov**, *Finite-size Effects for Single Spike*,
  JHEP **0807** (2008) 105, **ISSN** 1126-670, **IF** 5.831

1. A.A. Tseytlin, *Review of AdS/CFT Integrability, Chapter II.1: Classical AdS5xS5 string solutions*,
   Lett. Math. Phys**. 99** (2012) 103-125, **ISSN** 0377-901, **IF** 1.819

Cited Work:
  Changrim Ahn, **P. Bozhilov**, R.C. Rashkov, *Neumann-Rosochatius integrable system for strings on AdS(4) x CP**3*,
  JHEP **0809** (2008) 017, **ISSN** 1126-670, **IF** 5.831

2. Thomas Klose, *Review of AdS/CFT Integrability, Chapter IV.3: N=6 Chern-Simons and Strings on AdS4xCP3*,
   Lett. Math. Phys**. 99** (2012) 401-423, **ISSN** 0377-901, **IF** 1.819

3. Davide Astolfi, Gianluca Grignani, Enrico Ser-Giacomi, A.V. Zayakin, *Strings in AdS_4 x CP^3: finite size spectrum vs. Bethe Ansatz,* JHEP **1204** (2012) 005, **ISSN** 1126-670, **IF** 5.831

4. Miguel A. Bandres Motola, *Superconformal Chern-Simons theories and their string theory duals,*
   PhD thesis (Caltech), 115 pp.

Cited Work:
  Changrim Ahn, **P. Bozhilov**, *Finite-size Effect of the Dyonic Giant Magnons in N=6 super Chern-Simons Theory,* Phys. Rev**. D79** (2009) 046008, **ISSN** 1550-799, **IF** 4.558

5. Romuald A. Janik, *Review of AdS/CFT Integrability, Chapter III.5: L\'uscher Corrections,*
   Lett. Math. Phys**. 99** (2012) 277-297, **ISSN** 0377-901, **IF** 1.819

6. Michael C. Abbott, Ines Aniceto, Diego Bombardelli, *Real and Virtual Bound States in L\'{u}scher Corrections for CP3*
   Magnons, J. Phys**. A45** (2012) 335401, **ISSN** 1751-811, **IF** 1.564

7. Davide Astolfi, Gianluca Grignani, Enrico Ser-Giacomi, A.V. Zayakin, *Strings in AdS_4 x CP^3: finite size spectrum vs.*
   Bethe Ansatz, JHEP **1204** (2012) 005, **ISSN** 1126-670, **IF** 5.831

Cited Work:
   Changrim Ahn, **Plamen Bozhilov***, Finite-Size Dyonic Giant Magnons in TsT-transformed AdS 5 ×S 5 ,*
   JHEP **1007** (2010) 048, **ISSN** 1126-670, **IF** 5.831

8. Konstantinos Zoubos, *Review of AdS/CFT Integrability, Chapter IV.2: Deformations, Orbifolds and Open Boundaries*,
   Lett. Math. Phys. **99** (2012) 375-400, **ISSN** 0377-901, **IF** 1.819

9. Jun-Bao Wu, *Multi-Spin Strings in AdS_4*CP^3 and its \beta-deformations,*
   e-Print: arXiv:1208.0389 [hep-th]

Cited Work:
   Changrim Ahn**, Plamen Bozhilov**, *Three-point Correlation functions of Giant magnons with finite size,*
   Phys. Lett**. B702** (2011) 286-290, **ISSN** 0370-269, **IF** 3.955

10. Thomas Klose, Tristan McLoughlin, *A light-cone approach to three-point functions in AdS_5 x S^5,*
    JHEP **1204** (2012) 080, **ISSN** 1126-670, **IF** 5.831

11. D. Arnaudov, R.C. Rashkov, *Quadratic corrections to three-point functions,*
Fortsch. Phys**. 60** (2012) 217-223, **ISSN** 0015-820, **IF** 1.162

12. Yoichi Kazama, Shota Komatsu, *On holographic three point functions for GKP strings from integrability,*
JHEP **1201** (2012) 110, Erratum-ibid. 1206 (2012) 150 , **ISSN** 1126-670, **IF** 5.831

13. Agnese Bissi, Troels Harmark, Marta Orselli, *Holographic 3-Point Function at One Loop,*
JHEP **1202** (2012) 133, **ISSN** 1126-670, **IF** 5.831

14. George Georgiou, Valeria Gili, Andre Grossardt, Jan Plefka,
Three-point functions in planar N=4 super Yang-Mills Theory for
scalar operators up to length five at the one-loop order, JHEP **1204** (2012) 038, **ISSN** 1126-670, **IF** 5.831

15. Rafael Hernandez, *Semiclassical correlation functions of Wilson loops and local vertex operators,*
Nucl. Phys**. B862** (2012) 751-763, **ISSN** 0550-321, **IF** 4.661

16. Gianluca Grignani, A.V. Zayakin, *Matching Three-point Functions of BMN Operators at Weak and Strong coupling.*
JHEP **1206** (2012) 142, **ISSN** 1126-670, **IF** 5.831

17. Shijong Ryang, *Three-Point Correlator of Heavy Vertex Operators for Circular Winding Strings in AdS5xS5,.*
Phys. Lett. **B713** (2012) 122-128, **ISSN** 0370-269, **IF** 3.955

18. Pawel Caputa, Robert de Mello Koch, Konstantinos Zoubos,
Extremal versus Non-Extremal Correlators with Giant Gravitons,
JHEP **1208** (2012) 143, **ISSN** 1126-670, **IF** 5.831

19. Gianluca Grignani, A.V. Zayakin, *Three-point functions of BMN operators at weak and strong coupling II.*
One loop matching, JHEP **1209** (2012) 087, **ISSN** 1126-670, **IF** 5.831

20. Yoichi Kazama, Shota Komatsu,
   Wave functions and correlation functions for GKP strings from integrability.
   JHEP **1209** (2012) 022, **ISSN** 1126-670, **IF** 5.831

21. D. Arnaudov, R.C. Rashkov,
   On semiclassical four-point correlators in AdS_5 x S^5,
   TUW-12-11
   e-Print: arXiv:1206.2613 [hep-th]

22. Bogeun Gwak, Bum-Hoon Lee, Chanyong Park,
   Correlation functions of the ABJM model,
   e-Print: arXiv:1211.5838 [hep-th]

Cited Work:

   Changrim Ahn, **Plamen Bozhilov**, *Finite-size Giant Magnons on AdS_4 x CP^3_\gamma.*
   Phys. Lett**. B703** (2011) 186-192, **ISSN** 0370-269, **IF** 3.955

23. Jun-Bao Wu, *Multi-Spin Strings in AdS_4*CP^3 and its \beta-deformations,*
   e-Print: arXiv:1208.0389 [hep-th]

24. Carlo Alberto Ratti, *Notes on Multi-Spin Strings in AdS 4 ×CP 3 and its marginal deformations,*
   e-Print: arXiv:1211.4694 [hep-th]

Cited Work:

   Changrim Ahn, **Plamen Bozhilov**, *Three-point Correlation Function of Giant Magnons in the Lunin-Maldacena
   Background,* Phys. Rev. **D84** (2011) 126011, **ISSN** 1550-799, **IF** 4.558

25. George Georgiou, Valeria Gili, Andre Grossardt, Jan Plefka, *Three-point functions in planar N=4 super Yang-Mills Theory*

for scalar operators up to length five at the one-loop order, JHEP **1204** (2012) 038, **ISSN** 1126-670, **IF** 5.831

26. Rafael Hernandez, *Semiclassical correlation functions of Wilson loops and local vertex operators,*
    Nucl. Phys**. B862** (2012) 751-763, **ISSN** 0550-321, **IF** 4.661

27. Shijong Ryang, *Three-Point Correlator of Heavy Vertex Operators for Circular Winding Strings in AdS5xS5,.*
    Phys. Lett. **B713** (2012) 122-128, **ISSN** 0370-269, **IF** 3.955

28. Joseph A. Minahan, *Holographic three-point functions for short operators,*
    JHEP **1207** (2012) 187, **ISSN** 1126-670, **IF** 5.831

Cited Work:
    Plamen Bozhilov, *"More three-point correlators of giant magnons with finite size",*
    JHEP **1108** (2011), 121, **ISSN** 1126-670, **IF** 5.831

29. Rafael Hernandez, *Semiclassical correlation functions of Wilson loops and local vertex operators,*
    Nucl. Phys**. B862** (2012) 751-763, **ISSN** 0550-321, **IF** 4.661

30. Gianluca Grignani, A.V. Zayakin, *Matching Three-point Functions of BMN Operators at Weak and Strong coupling.*
    JHEP **1206** (2012) 142, **ISSN** 1126-670, **IF** 5.831

31. Shijong Ryang, *Three-Point Correlator of Heavy Vertex Operators for Circular Winding Strings in AdS5xS5,.*
    Phys. Lett. **B713** (2012) 122-128, **ISSN** 0370-269, **IF** 3.955

32. Pawel Caputa, Robert de Mello Koch, Konstantinos Zoubos,
    Extremal versus Non-Extremal Correlators with Giant Gravitons,
    JHEP **1208** (2012) 143, **ISSN** 1126-670, **IF** 5.831

33. D. Arnaudov, R.C. Rashkov,
    On semiclassical four-point correlators in AdS_5 x S^5,
    TUW-12-11
     e-Print: arXiv:1206.2613 [hep-th]

34. Bogeun Gwak, Bum-Hoon Lee, Chanyong Park,
    Correlation functions of the ABJM model,
    e-Print: arXiv:1211.5838 [hep-th]

Cited Work:
        Plamen Bozhilov, *Three-point correlators:*
        Finite-size giant magnons and singlet scalar operators on higher string levels,
        Nucl. Phys. **B855** (2012) 268-279, **ISSN** 0550-321, **IF** 4.661

35. Pawel Caputa, Robert de Mello Koch, Konstantinos Zoubos,
    Extremal versus Non-Extremal Correlators with Giant Gravitons,
    JHEP **1208** (2012) 143, **ISSN** 1126-670, **IF** 5.831

36. D. Arnaudov, R.C. Rashkov,
    On semiclassical four-point correlators in AdS_5 x S^5,
    TUW-12-11
    e-Print: arXiv:1206.2613 [hep-th]

37. Bogeun Gwak, Bum-Hoon Lee, Chanyong Park,
    Correlation functions of the ABJM model,
    e-Print: arXiv:1211.5838 [hep-th]

Cited Work:

P.Bozhilov,P.Furlan,**V.B.Petkova,M.Stanishkov**,
On the semiclassical 3-point function in AdS_3,
Phys. Rev**. D86** (2012) 066005, **ISSN** 1550-799, **IF** 4.558

38.Yoichi Kazama, Shota Komatsu,
Wave functions and correlation functions for GKP strings from integrability.
JHEP **1209** (2012) 022, **ISSN** 1126-670, **IF** 5.831

Cited Work: **E. Nissimov, S. Pacheva**, S. Solomon, *Covariant Canonical Quantization of the Green-Schwarz Superstring,* Nucl. Phys. B297 (1988) 349

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