

GSS: Gauge and String Theories

S. Bellucci (Resp.), S. Ferrara (Ass.), G. Gionti (Ass.), S. Krivonos (Osp.), A. Sutulin (Bors. PD), A. Yeranyan (Bors. Fermi Institute)

List of Conference Talks

S. Bellucci, Brane effects in vacuum currents on AdS spacetime with toroidal compactifications, Invited Presentation at the 7th Italy-Russia-JINR@Dubna Round Table, November 24 – 28, 2015.

S. Ferrara, Supergravity and Cosmology, Invited Presentation at the 7th Italy-Russia-JINR@Dubna Round Table, November 24 – 28, 2015.

S. Bellucci, FPS approach and the one-dimensional supersymmetric model with PBGS, XXIIIth International Conference on Integrable Systems and quantum symmetries (Prague, 23-27 June 2015)

S. Bellucci, Vacuum currents in braneworlds on AdS bulk with compact dimensions, Workshop on the Theories of the Fundamental Interactions TFI 2015, Napoli (Italy), 18-20 November 2015

Publications by LNF Authors in the Year 2015

- [1] Component on-shell actions of supersymmetric 3-branes: I. 3-brane in D= 6, S. S Bellucci, N Kozyrev, S Krivonos, A Sutulin, Classical and Quantum Gravity 32 (3), 035025 (2015)
- [2] Testing the FPS approach in d= 1, S Bellucci, S Krivonos, A Sutulin, Journal of High Energy Physics 2015 (4), 1-16 (2015)
- [3] Component on-shell actions of supersymmetric 3-branes: II. 3-brane in D= 8, S Bellucci, N Kozyrev, S Krivonos, A Sutulin, Classical and Quantum Gravity 32 (11), 115008 (2015)
- [4] Space-filling D3-brane within coset approach, S Bellucci, N Kozyrev, S Krivonos, A SutulinJournal of High Energy Physics, August 2015, 2015:94
- [5] Casimir effect for scalar current densities in topologically nontrivial spaces, S Bellucci, AA Saharian, NA Saharyan, The European Physical Journal C 75 (8), 1-17 (2015)
- [6] Vacuum currents in braneworlds on AdS bulk with compact dimensions, S Bellucci, AA Saharian, V Vardanyan, Journal of High Energy Physics, November 2015, 2015:92 (2015)
- [7] Scale invariant Volkov–Akulov supergravity, S Ferrara, M Porrati, A Sagnotti, Physics Letters B 749, 589-591
- [8] \mathcal{R}^2 supergravity, S Ferrara, A Kehagias, M Porrati, Journal of High Energy Physics 2015 (8).
- [9] Some pathways in non-linear supersymmetry: Special geometry Born-Infeld's, cosmology and dualities, S Ferrara, A Sagnotti, P-Adic Numbers, Ultrametric Analysis, and Applications 7 (4), 291-311.
- [10] Observations on the partial breaking of N= 2 rigid supersymmetry, L Andrianopoli, R D'Auria, S Ferrara, M Trigiante, Physics Letters B 744, 116-119
- [11] Doubly self-dual actions in various dimensions, S Ferrara, A Sagnotti, A Yeranyan Journal of High Energy Physics 2015 (5), 1-16
- [12] Massive Born-Infeld and other dual pairs, S Ferrara, A Sagnotti, Journal of High Energy Physics 2015 (4), 1-15.

[13] Generalized Born–Infeld actions and projective cubic curves, S Ferrara, M Petrati, A Sagnotti, R Stora, A Yeranyan, Fortschritte der Physik 63 (3-4), 189-197

[14] Electric-magnetic duality and supersymmetry, P Aschieri, S Ferrara, A Marrani
Subnucl. Ser. 51, 91-110

[15] The imaginary Starobinsky model and higher curvature corrections
S Ferrara, A Kehagias, A Riotto, Fortschritte der Physik 63 (1), 2-11