

## Publications 2006

1. M. Abou Zeid, C. M. Hull – *A Chiral Perturbation Expansion for Gravity* – JHEP 0602:057, 2006 – [e-Print Archive: hep-th/0511189].
2. R. Argurio, M. Bertolini, C. Closset, S. Cremonesi – *On Stable Non-Supersymmetric Vacua at the Bottom of Cascading Theories* - JHEP 0609: 030, 2006 – [e-Print Archive: hep-th/0606175].
3. R. Argurio, G. Ferretti, C. Petersson – *Massless Fermionic Bound States and the Gauge/Gravity Correspondence* - JHEP 0603: 043, 2006 – [e-Print Archive: hep-th/0601180].
4. I. Bakas, D. Orlando, P.M. Petropoulos – *Ricci Flows and Expansion in Axion-Dilaton Cosmology* – JHEP 0701:040, 2007 – [e-Print Archive: hep-th/0610281].
5. M. Banados, G. Barnich, G. Compère, A. Gomberoff – *Three Dimensional Origin of Goedel Spacetimes and Black holes* – Phys. Rev. D73: 044006, 2006 – [e-Print Archive: hep-th/0512105].
6. G. Barnich, M. Grigoriev – *Parent Form for Higher Spin Fields on Anti-de Sitter Space* – JHEP 0608: 013, 2006 – [e-Print Archive: hep-th/0602166].
7. G. Barnich, M. Grigoriev – *BRST Extension of the Non – Linear Unfolded Formalism* – in "Quantum Theory and Symmetries IV, volume 2" – ed. V.K. Dobrev, Heron Press 2006: 547-557 – [e-Print Archive: hep-th/0504119].

8. X. Bekaert, N. Boulanger, S. Cnockaert, S. Leclercq – *On Killing Tensors and Cubic Vertices in Higher-Spin Gauge Theories* – Fortsch. Phys. 54: 282-290, 2006 – e-Print Archive: hep-th/0602092.
9. X. Bekaert, N. Boulanger et S. Cnockaert – *Spin Three Gauge Theory Revisited* – JHEP 0601: 052,2006 – [e-Print Archive : hep-th/0508048].
10. X. Bekaert, S. Cnockaert, C. Iazeolla, M.A. Vasiliev – *Nonlinear Higher Spin Theories in Various Dimensions* – in Proceedings of the Solvay Workshop on Higher Spin Gauge Theories, R. Argurio, G. Barnich, G. Bonelli et M. Grigoriev eds., 2006 - [e-Print Archive: hep-th/0503128].
11. F. Bigazzi, A.L. Cotrone, L. Martucci, W. Troost – *Meson decays from string splitting* – arXiv : hep-th/0611253.
12. S. Bolognesi, J. Evslin – *Stable vs. Unstable Vortices in SQCD* – JHEP 0603: 023, 2006 – [e-Print Archive: hep-th/0506174].
13. L. Bonora, C. Maccaferri, R.J. Scherer Santos, D.D. Tolla – *Bubbling AdS and Vacuum String Field Theory* – Nucl. Phys. B749: 338-357, 2006 – [e-Print Archive: hep-th/0602015].
14. N. Boulanger, S. Cnockaert, S. Leclercq – *Parity Violating Vertices For Spin-3 Gauge Fields* – Phys. Rev. D73: 065019, 2006 – [e-Print archive : hep-th/0509118].
15. P. Bouwknegt, J. Evslin, B. Jurco, V. Mathai, H. Sati – *Flux Compactifications of Projective Spaces and the S- Duality Puzzle* – Adv. Theor. Math. Phys. 10: 345-394, 2006 – [e-Print Archive: hep-th/0501110].

16. C. W. Bunster, S. Cnockaert, M. Henneaux, R. Portugues – *Monopoles for Gravitation and for Higher Spin Fields* – Phys. Rev. D73: 105014, 2006 – [e-Print Archive: hep-th/0601222].
17. S. Colin, T. Durt, R. Tumulka – *On superselection rules in Bohr-Bell theories* – J. Phys. A. 39 (2006), 15403-15419.
18. B. Craps, O. Evnin, S. Nakamura – *DO-brane recoil revisited* – JHEP 0612 : 081, 2006.
19. B. Craps – *Big bang models in string theory* – Class. Quant. Grav. 23 : S849-S881, 2006.
20. B. Craps, A. Rajaraman, S. Sethi – *Effective dynamics of the matrix big bang* – Phys. Rev. D 73 : 106005, 2006.
21. T. Damour, A. Hanany, M. Henneaux, A. Kleinschmidt, H. Nicolai – *Curvature Corrections and Kac-Moody Compatibility Conditions* - Gen. Rel. Grav. 38: 1507-1528, 2006 – [e-Print Archive: hep – th/0604143].
22. S. de Buyl, M. Henneaux, Louis Paulot – *Extended E(8) Invariance of 11-Dimensional Supergravity* – JHEP 0602: 056, 2006 – [e-Print Archive: hep-th/0512292].
23. T. Durt – *About Weyl and Wigner tomography in finite dimensional Hilbert spaces* – Open system and Information Dyn 13 (2006), 1-11.
24. T. Durt – *Factorization of the Wigner distribution in prime power dimensions* – Int. Journ. of laser Phys. 16 (2006), 1557-1564.

25. T. Durt – *About the Mean King’s problem and discrete Wigner distributions* – Journ. Mod. Phys. B 20 (2006), 1742-1760.
26. J. Evslin, M. Fairbairn – *Photon Mixing in Domain Walls and the Cosmic Coincidence Problem* – JCAP 0602: 011, 2006 – [e-Print archive: hep-ph/0507020].
27. J. Evslin, H. Sati – *Can D-Branes Wrap Nonrepresentable Cycles?* – JHEP 0610: 050, 2006 – [e-Print Archive: hep-th/0607045].
28. F. Ferrari – *The Proof of the Dijkgraaf-Vafa Conjecture and Application to the Mass Gap and Confinement Problems* – JHEP 0606: 039, 2006 – [e-Print Archive: hep-th/0602249].
29. L.A. Forte, A. Sciarrino – *Standard and Non-Standard Extensions of Lie Algebras* – J. Math. Phys. 47: 013513, 2006 – [e-Print Archive: hep-th/0506048].
30. M. Henneaux – *BRST Quantization* – article in “Encyclopedia of Mathematical Physics” – eds. J.-P. Francoise, G.L. Naber and T.S. Tsun – Elsevier (2006)
31. M. Henneaux – *Constrained Systems* – article in “Encyclopedia of Mathematical Physics” – eds. J.-P. Francoise, G.L. Naber and T.S. Tsun – Elsevier (2006)
32. M. Henneaux, C. Teitelboim – *Electric-Magnetic Duality in Gravity* – in “Deserfest: A Celebration of the Life and Works of Stanley Deser” – eds. J.T. Liu, M.J. Duff, K.S. Stelle and R.P. Woodard – World Scientific (Singapore: 2006).

33. M. Henneaux, M. Leston, D. Persson, P. Spindel – *Geometric Configurations, Regular Subalgebras of  $E(10)$  and M-Theory Cosmology* – JHEP 0610: 021, 2006 – [e-Print Archive: hep-th/0606123].
34. A.N.W. Hone, V. Novikov, C. Verhoeven – *An integrable hierarchy with a perturbed Hénon-Heiles system* – Inv. Problems 22 (2006) 2001-2020.
35. L. Houart – *Kac-Moody Algebras in Gravity and M-theories* – AIP Conf. Proc. 841: 298-305, 2006 – [e-Print archive: hep-th/0511009].
36. F. Lambert, J. Springael – *From soliton equations to their zero-curvature formulation* – in “*Bilinear Integrable Systems from Classical to Quantum, Continuous to Discrete*”, Eds L. Faddeev, P. Van Moerbeke and F. Lambert, Nato Sciences Series II : Mathematics, Physics and Chemistry, 201, Springer-Verlag 2006, 147-159.
37. J. Maes, A. Sevrin – *A Note on  $N=(2,2)$  superfields in two dimensions* – Phys. Lett. B642 (2006) 535-539 [e-Print Archive: hep-th/0607119].
38. S. Nevens, A. Sevrin, W. Troost, A. Wijns – *Derivative corrections to the Born-Infeld action through beta-function calculations in  $N=2$  boundary superspace* – JHEP 0608 (2006) 086 [e-Print Archive : hep-th/0606255].
39. N. Tabti – *Signatures of Kac-Moody invariant theories* – Physicalia Mag. 28 (2006) 182-193.
40. C. Verhoeven, M. Musette, R. Conte – *On reductions of some KdV-type systems and their link to the quartic*

*Hénon-Heiler Hamiltonian – in “Bilinear Integrable Systems from Classical to Quantum, Continuous to Discrete”*, Eds L. Faddeev, P. Van Moerbeke and F. Lambert, Nato Sciences Series II : Mathematics, Physics and Chemistry, 201, Springer-Verlag 2006, 363-374.

41. R. Willox, J. Hietarinta – *On the bilinear forms of Painlevé’s 4th equation- in “Bilinear Integrable Systems from Classical to Quantum, Continuous to Discrete”*, Eds L. Faddeev, P. Van Moerbeke and F. Lambert, Nato Sciences Series II: Mathematics, Physics and Chemistry, 201, Springer-Verlag 2006, 375-390.

## Preprints

42. M. Abou Zeid, C.M. Hull, L.J. Mason – *Einstein Supergravity and New Twistor String Theories* – e-Print Archive: hep-th/0606272.
43. R. Argurio, M. Bertolini, S. Franco, S. Kachru - *Gauge/Gravity Duality and Meta-stable Dynamical Supersymmetry Breaking* - e-Print Archive: hep-th/0610212.
44. G. Barnich, G. Compère - *Classical Central Extension for Asymptotic Symmetries at Null Infinity in Three Spacetime Dimensions* - e-Print Archive: gr-qc/0610130.
45. L. Bonora, N. Bouatta, C. Maccaferri - *Towards Open-Closed String Duality: Closed Strings as Open String Fields* - e-Print Archive: hep – th/0609182.
46. R. Brout - *The Causet Mechanism for the Creation of Energy* - e-Print Archive: gr-qc/0607012.
47. A.S. Carstea, A. Romani, J. Satsuma, R. Willox, B. Grammaticos – *Continuous, discrete and ultra-discrete models of an inflammatory response* – *Physica A*, 364 (2006), 276-286.
48. S. Cnockaert - *Higher Spin Gauge Field Theories: Aspects of Dualities and Interactions* - e-Print Archive: hep-th/0606121.
49. A. Collunici, J. Evslin – *Twisted Homology* – e-Print Archive: hep-th/0611218.

50. A. Collinucci, A. Wijns – *Topology of Fiber Bundles and Global Aspects of Gauge Theories* – e-Print Archive: hep-th/0611201.
51. M. Courbage, T. Durt, M. Saberi – *Two-level Friedrichs model and kaonic phenomenology* – accepted for publication in Phys. Lett. A (2006).
52. M. Courbage, T. Durt, M. Saberi – *Non exponential quantum mechanical decay laws in neutral kaons* – submitted for publication to J. Phys A (2006).
53. B. Craps, O. Evnin, S. Nakamura – *Local recoil of extended solitons : a string theory example* – accepted for publication in Journ. of High Energy Physics, hep-th/0608123.
54. S. de Buyl - *Kac-Moody Algebras in M-theory* – e-Print Archive: hep-th/0608161.
55. S. Deser, M. Henneaux – *A Note on Spin Two Fields in Curved Backgrounds* – e-Print Archive: gr-qc/0611157.
56. J.F. Du, M. Sun, X. Peng, T. Durt – *NMR realization of entanglement-assisted qubit covariant SIC-POVM* – accepted for publication in Phys. Rev. A (2006).
57. T. Durt, J. Corbett – *Quantum Mechanics interpreted in Quantum Real Numbers* –submitted for publication to Studies in History and Philosophy of Modern Physics.
58. J. Evslin - *Twisted K-Theory as a BRST Cohomology* – e- Print Archive: hep-th/0605049.

59. J. Evslin - *What Does(n't) K-theory Classify?* – e-Print Archive: hep-th/0610328.
60. W. Fischler, V. Kaplunovsky, C. Krishnan, L. Mannelli, M. Torres – *Meta-Stable Supersymmetry Breaking in a Cooling Universe* – e-Print Archive: hep-th/0611018.
61. M. Henneaux, M. Leston, D. Persson, P. Spindel – *A Special Class of Rank 10 and 11 Coxeter Groups* – e-Print Archive: hep-th/0610278.
62. M. Henneaux, C. Martinez, R. Troncoso, J. Zanelli – *Asymptotic Behavior and Hamiltonian Analysis of Anti-de Sitter Gravity coupled to Scalar Fields* - e-Print Archive: hep-th/0603185.
63. A.N.W. Hone, V. Novikov, C. Verhoeven – *An extended Hénon-Heiles system* – submitted for publication to Physics Lett. A (2006).
64. A. Keurentjes – *Determining the Dual* – e-Print Archive: hep-th/0607069.
65. S. Kuperstein, O. Mintkevich, J. Sonnenschein – *On the pp-wave Llimit and the BMN Structure of New Sasaki-Einstein Spaces* – e-Print Archive: hep-th/0609194.
66. F. Lambert, J. Springael, S. Colin, R. Willox – *An elementary approach to soliton hierarchies* – submitted for publication to J. Phys. Soc. Jpn (2006).
67. I. Loris, G. Nolet, I. Daubechies, F.A. Dahlen – *Tomographic inversion using L1 norm regularization of wavelet coefficients* – submitted to Geophysical J.International.

68. L. Paulot – *Infinite-Dimensional Gauge Structure of  $d=2$   $N=16$  Supergravity* – e-Print Archive: hep-th/0604098.
69. A. Volkov – *On the periodicity conjecture for Y-systems* – accepted for publication in Commun. Math. Phys. (2006).

## Edition

Higher Spin Gauge Theories – R. Argurio, G. Barnich, G. Bonelli and M. Grigoriev eds, Proceedings of the Solvay Workshops and Symposia (n° 1) (197 pages).

## Invited Talks at conferences, seminars and schools

1. January 5, 2006 : **Glenn Barnich**, “Thermodynamics of Gödel black holes” – CECS, Valdivia, Chile.
2. January 12, 2006 : **Marc Henneaux**, “Magnetic sources for gravitation and for Higher Spins” – Centro de Estudios Científicos, Valdivia, Chile.
3. January 14, 2006 : **Mohab Abou Zeid**, “Twistor Strings and Supergravity” – EU Network RTN Meeting, CERN, Genève, Switzerland.
4. January 15, 2006 : **Mohab Abou Zeid**, “Twistor strings and supergravity” – Invited talk given at the Institute of Mathematics, German University of Cairo and the Cairo International Conference on High Energy Physics, Egypt.
5. January 16, 2006 : **Glenn Barnich**, “Thermodynamics of Gödel black holes” – UNAM, Mexico City, Mexico.
6. January 16-20, 2006 : **Ben Craps**, “Big Bang Models in String Theory” – Invited lecture series at EC-RNT School on Strings, Supergravity and Gauge Theories, CERN, Genève, Switzerland.
7. January 25, 2006 : **Alexandre Sevrin**, “Supersymmetry and Geometry : a Solved Example” – Theoretical Physics Colloquium, Utrecht Universiteit, The Netherlands.

8. February 15, 2006 : **Ben Craps**, “A big bang model in string theory” – HEP/GR Wednesday Seminar, University of Cambridge, United Kingdom.
9. February 17, 2006 : **Ben Craps**, “A big bang model in string theory” – Seminar, Durham University, United Kingdom.
10. February 27, 2006 : **Mohab Abou Zeid**, “Iteration relations of planar amplitudes in N=4 super Yang-Mills theory”- Theory Division, CERN, Genève, Switzerland.
11. March 7, 2006 : **Marc Henneaux**, “BKL Billiards and Lorentzian Kac-Moody algebras in four and higher dimensions ” – Kavli Institute for Theoretical Physics, University of Santa Barbara, California, USA.
12. March 21, 2006 : **Alexander Wijns**, “Derivative corrections to the Born-Infeld action and N=2 boundary super space” – Instituut voor Theoretische Fysica, Rijksuniversiteit Groningen, The Netherlands.
13. March 26, 2006 : **Ben Craps**, “Een moderne kijk op de oerknal” – Meesterklassen, Vrije Universiteit Brussel, Belgium.
14. March 28, 2006 : **Marc Henneaux**, “Hidden Symmetries of Gravity” – Stockholms Universitet, Sweden.
15. March 28, 2006 : **Franklin Lambert**, talk following the presentation of the movie picture “ Einstein’s Big Idea” – VUB, Belgium.

16. March 2006 : **Geoffrey Compère**, “Three dimensional Gödel spacetimes and black holes” – FYNU-FYMA, Université Catholique de Louvain, Belgium.
17. April 7-8, 2006 : **Alexander Volkov**, “On Zamolodchikov’s conjecture” – Workshop “Operator equations in quantum optics”, Universiteit Antwerp, Belgium.
18. April 13, 2006 : **Ben Craps**, “Matrix description of a big bang singularity” – Seminar, Queen Mary, University of London, United Kingdom.
19. April 13, 2006 : **Arjan Keurentjes**, “Determining the dual” – Instituut voor Theoretische Fysica, Groningen, The Netherlands.
20. April 22 - 27, 2006 : **Marc Henneaux**, Course of lectures on “Hidden Symmetries of gravitational theories” – 4th International School on Field Theory and Gravitation, Rio de Janeiro, Brazil.
21. April 25, 2006 : **Ben Craps**, “Einstein bekeken n°3 : back to the future”- Vrije Universiteit Brussel, Belgium.
22. May 3, 2006 : **Ben Craps**, “Matrix description of a big bang singularity” – Seminar, SISSA, Trieste, Italy.
23. May 11, 2006 : **Frank Ferrari**, “The Proof of the Dijkgraaf-Vafa Conjecture and application to the mass gap and confinement problems” – Ecole Normale Supérieure, Paris, France.

24. May 20, 2006 : **Glenn Barnich**, “Thermodynamics of Gödel black holes” – Spring School and Workshop on Quantum Field Theory and Hamiltonian Systems, Calimanesti-Caciulata, Roumania.
25. May 22, 2006 : **Franklin Lambert**, “An elementary approach to integrable hierarchies of solitons equations” – Universidade Federal de Santa Catarina, Florianopolis, Brazil.
26. May 23, 2006 : **Marc Henneaux**, “Hidden Symmetries of Gravity and Lorentzian Kac-Moody Algebras” – University of California, Davis, U.S.A.
27. May 26, 2006 : **Alexander Wijns**, “D-brane effective action and boundary superspace” – Summer School on High Energy Physics and Astrophysics, Cargese, Corsica.
28. June 13, 2006 : **Glenn Barnich**, “Higher spin fields on anti-de Sitter space” – Université de Mons-Hainaut, Belgium.
29. June 14, 2006 : **Ben Craps**, “Matrix description of a big bang singularity” – Oral contribution at Satellite workshop of Strings 2006 Gravitation and Cosmology Fudan University Shanghai, China.
30. June 15, 2006 : **Ben Craps**, “Matrix description of a big bang singularity” – Invited talk at 06 Strings Satellite Conference, Zhejiang University, Hangzhou, China.
31. June 22-July 1, 2006 : **C. Verhoeven**, “Spiderweb solutions for the CKP equation” - 2006 Gallipole Workshop on Non-linear Physics : Theory and Experiment, Gallipoli, Turkey.

32. July 6, 2006 : **Frank Ferrari** , “Gauge invariance and Super Yang-Mills theory” – Conference “QCD and String Theory”, Centro de ciencias de Benasque, Spain.
33. July 20/22/23 2006 : **Frank Ferrari**, “Supersymmetric Gauge Theories, Matrix Models and Geometric Transitions” – XVth Oporto meeting on Geometry, Topology and Physics : Mathematical aspects of super symmetry, Universidade do Porto, Portugal.
34. August 23, 2006 : **Marc Henneaux**, “Geometric Configurations, Regular Subalgebras of  $E_{10}$  and M-Theory Cosmology” – Centro de Estudios Científicos, Valdivia, Chile.
35. August 23, 2006 : **Ben Craps**, “A matrix big bang” - Invited talk at the first Cambridge-Mitchell Texas conference : time dependent backgrounds and the cosmic singularity in string and M Theory , University of Cambridge, United Kingdom.
36. September 1, 2006 : **Ben Craps**, “Cosmological Singularities” – Invited overview talk at 38th International Symposium Ahrenschoop on the Theory of Elementary Particles : Recent Developments in String/M-theory and field Theory, Berlin, Germany.
37. September 10 & 11, 2006 : **Mohab Abou Zeid**, “Twistor- strings and supergravity”- Twistors, Strings and Gauge Theory Workshop, Perimeter Institute, Waterloo, Canada.
38. September 14, 2006 : **Ben Craps**, “Dynamics of low-dimensional D-branes: recoil and local recoil”, Rencontres théoriciennes, IHP, Paris, France.

39. October 2 & 3, 2006 : **Mohab Abou Zeid**, “Lectures on twistor strings and gravity” – Institute for Mathematical Sciences, Imperial College London, United Kingdom.
40. October 6, 2006 : **Glenn Barnich**, “Higher spin fields on anti-de Sitter space” – Università degli Studi Milano, Italy.
41. October 8, 2006 : **Mohab Abou Zeid**, “Twistor- strings and supergravity” – RTN Midterm Meeting and workshop, Napoli, Italy.
42. October 10, 2006 : **Riccardo Argurio**, “Metastable Supersymmetry Breaking and Gauge/Gravity Duality” – RTN workshop, Napoli, Italy.
43. October 13, 2006 : **Nassiba Tabti**, “Gravitational theories coupled to matter as invariant theories under Kac-Moody algebras” - RTN Midterm Meeting and workshop, Napoli, Italy.
44. October 2006 : **Carlo Maccaferri**, “Exercises in Superstring Theory” – 1st International Doctoral School (Paris/Brussels/Amsterdam), ULB, Belgium.
45. October and November 2006 : **Frank Ferrari**, “Non-Perturbative aspects of quantum field theory” - 1st International Doctoral School (Paris/Brussels/Amsterdam), ULB, Belgium.
46. October 30 & 31 and November 3, 2006 : **Riccardo Argurio**, “Supersymmetric Gauge Theories” - 1st International Doctoral School (Paris/Brussels/Amsterdam), ULB, Belgium.

47. October 30 – November 8, 2006 : **Ben Craps**,  
“Introduction to D-branes” - 1st International Doctoral  
School (Paris/Brussels/Amsterdam), ULB, Belgium.
48. November 2006 : **Carlo Maccaferri**, “Introduction to  
Open String Field Theory” – 1st International Doctoral  
School (Paris/Brussels/Amsterdam), ULB, Belgium.
49. November 1 & 8, 2006 : **Mohab Abou Zeid**, “Lectures on  
twistor strings and gravity” – invited lectures given at  
CQUEST and the University of Sogang, Seoul, Korea.
50. November 6, 2006 : **Marc Henneaux**, “Hamiltonian  
Formalism of General Relativity I” – Institut Henri  
Poincaré, Paris, France.
51. November 7, 2006 : **Marc Henneaux**, “Hamiltonian  
Formalism of General Relativity II” – Institut Henri  
Poincaré, Paris, France.
52. November 13, 2006 : **Ben Craps**, “The Cosmic Microwave  
Background: How Cosmology has become a precision  
Science” – Physics Colloquium, KULeuven, Belgium.
53. November 15, 2006 : **Mohab Abou Zeid**, “Symmetries,  
conservation laws and gauge invariant operators in  
noncommutative field theory” – 21st Nishinomiya-  
Yukawa Memorial Symposium, Yukawa Institute for  
Theoretical Physics, Kyoto, Japan.
54. November 16, 2006 : **Mohab Abou Zeid**, “Twistor- strings  
and supergravity” – University of Tokyo, Japan.

55. November 17, 2006 : **Mohab Abou Zeid**, “Twistor- strings and supergravity” – KEK, Tsukuba, Japan.
56. November 17, 2006 : **Marc Henneaux**, “Hyperbolic Kac-Moody algebras : the key for understanding gravity ?” – Opening lecture at Conference on “Kac-Moody groups and Geometry”, Darmstadt Universität, Germany.
57. November 26, 2006 : **R. Willox**, “Canonical bilinear forms and bi-hamiltonian structures” – Universiteit Antwerp, Belgium.
58. November 30, 2006 : **Mohab Abou Zeid**, “Twistor- strings and supergravity” – Department ECM, Universidad de Barcelona, Spain.
59. November 30, 2006 : **Alexander Volkov**, “On the periodicity conjecture for Y-systems” – Institut Camille Jordan, Université de Lyon I, France.
60. December 6, 2006 : **Mohab Abou Zeid**, “Twistor- strings and supergravity” – Institut für Physik, Humboldt, Universität zu Berlin, Germany.
61. December 7, 2006 : **Ignace Loris**, “Seismic tomography with wavelets and  $L_1$  penalization” – FNRS Wavelets and Applications contact group meeting, IRM/KMI Brussels, Belgium.
62. December 13, 2006 : **Ben Craps**, “A matrix Big Bang” – Invited talk at IHP workshop “High Energy, Cosmology and Strings”, Paris, France.

63. December 14, 2006 : **Marc Henneaux**, Seminar “Hidden Symmetries of Gravitational Theories” – Università di Pisa and Scuola Normale, Italy.
64. December 14, 2006 : **Riccardo Argurio**, “Metastable Supersymmetry Breaking and Gauge/Gravity Duality” – Rencontres théoriciennes, Paris, France.
65. December 2006 : **Geoffrey Compère**, “Classical central extensions for asymptotic symmetries in three dimensional spacetimes” – Milano string theory group, Milano, Italy.
66. December 2006 : **Geoffrey Compère**, “Black holes thermodynamics” – Milano string theory group, Milano, Italy.