

Talks given at conferences in the 2014

1. Z. Ameer, DNA Sensors with Impedimetric and Magnetoresistive Transduction - A Comparison Study, 11th International Bhurban Conference on Applied Sciences & Technology IBCAST, Islamabad, Pakistan, Jan. 15-18
2. M. Beccaria, Higher spins in AdS₅ at one loop: vacuum energy and conformal anomaly, Higher Spin Theory and Holography - Moscow, Dec.8-10
3. P. Bernardini, on behalf of the NESSiE Collaboration, WA104 - NESSiE Air Core Muon Spectrometer, LBNE Collaboration Meeting, Fermilab, Illinois (USA) Feb. 2.
4. P. Bernardini, on behalf of the ARGO-YBJ Collaboration Measurement of the Cosmic Ray energy spectrum by the ARGO-YBJ experiment, Astroparticle Physics: a joint TeVPA/IDM conference, Amsterdam (NL) June 23.
5. V. Bilò. On the Performance of Mildly Greedy Players in Cut Games. 20th International Computing and Combinatorics Conference, Atlanta, USA, Aug. 04-06.
6. V. Bilò. On Linear Congestion Games with Altruistic Social Context. 20th International Computing and Combinatorics Conference, Atlanta, USA, Aug. 04-06.
7. V. Bilò. On the Stackelberg Fuel Pricing Problem. 15th Italian Conference on Theoretical Computer Science, Perugia, Sept. 17-19.
8. A. M. Cherubini, A percolation approach to desertification transitions, 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Madrid, July 17 – 20.
9. A. M. Cherubini, Early-warning signals for desertification: a percolation framework, 5th International Conference on Drylands, Deserts and Desertification, Ben-Gurion University of the Negev, Nov. 17 – 20.
10. Gabriele Chiodini, Timing Diamond Detector for MIP, Workshop on picosecond photon sensors for physics and medical applications, Clermont-Ferrand, France, March 12-14.
11. Gabriele Chiodini, Diamond detector time resolution for large angle tracks, 10th International Conference on Radiation Effects on Semiconductor Materials, Detectors, Devices, Firenze, Oct. 8-10.
12. M. S. Chiriaco, EIS biochips with integrated microfluidic components for analysis of environmental, food and clinical samples, EMBL Conference Series Microfluidics 2014, European Molecular Biology Laboratory, Heidelberg - Germany, July 23 - 25.

13. M. S. Chiriaco', Lab on chip for diagnostics, IV WORKSHOP PSBA, Lecce, Oct. 17-18.
14. G. Co', The Fermi Hypernetted Chain methods for finite Fermi systems, Marciana Marina, Elba (It), June 23-25.
15. P. D. Cozzoli, Semiconductor-Plasmonic Copper Sulfide Nanocrystals: Phase- and Shape-Selective Synthesis, Near-Infrared Optical Properties, and Their Modeling, EMN Spring Meeting, Energy Materials Nanotechnology, Las Vegas (USA), Feb. 27 - Mar. 2.
16. P. D. Cozzoli, Colloidal Multimaterial Nanocrystal Heterostructures with Controlled Topologies: Synthesis and Growth Mechanisms, BITOs 3rd Annual World Congress of Advanced Materials 2014, Chongqing (China), June 6-9.
17. P. D. Cozzoli, Colloidal Nanocrystal Heterostructures Based on Magnetic Materials, IUMRS-ICEM 2014 International Union of Materials Research Societies International Conference on Electronic Materials, Taipei (Taiwan), June 10-14 Giugno 2014
18. P. D. Cozzoli, Colloidal Nanocrystal Heterostructures with Controlled Topologies: Synthesis and Growth Mechanisms, International Conference on Electron Microscopy and XXV Annual Meeting of the Electron Microscope Society of India (EMSI) 2014, New Delhi (India), July 9-11.
19. P. D. Cozzoli, Colloidal Heterostructured Nanocrystals: Synthesis, Growth Mechanisms, and Properties, 3rd International Symposium on Disperse Systems for Electronic Applications, Fraunhofer IISB, Erlangen (Germany), Sept. 11-12 Settembre
20. P. D. Cozzoli, Semiconductor-Magnetic and Plasmonic-Magnetic Heterostructured Nanocrystals, IUMRS-ICYRAM 2014 (2nd International Conference of Young Researchers on Advanced Materials), Symposium C2: Multifunctional and Hybrid Materials, Haikou (China), Oct. 24-27.
21. P. D. Cozzoli, Phase- and Shape-Controlled Semiconductor Nanocrystals with Tunable Near- to Mid-Infrared Plasmonic Properties, IUMRS-ICYRAM 2014 (2nd International Conference of Young Researchers), Symposium B2 Electronic Materials and Devices, Haikou (China), Oct. 24-27.
22. M. De Feudis, Realization and characterization of graphitic contacts on diamond by means of laser, IV Workshop Plasmi Sorgenti Biofisica e Applicazioni, Lecce, Oct. 17-18.
23. M. D'Elia, Spectroscopic studies of biogenicity and SEM morphology of carbonates for the search for biofabrics on Mars, 100^o Congresso della Società Italiana di Fisica, Pisa, Sept. 22-26

24. L. Delle Rose, Sum Rules and Spectral density flow in QCD and in superconformal theories, QCDWork 2014, Giovinazzo (Bari - Italy), June 16-19.
25. I. De Mitri, Measurement of the cosmic ray energy spectrum with ARGO-YBJ, Workshop on Frontier Research in Astrophysics Mondello (Palermo), May 26-31, 2014
26. I. De Mitri, Measurement of the cosmic ray all-particle and light-component energy spectra with the ARGO-YBJ experiment, ISVHECRI 2014: International Symposium on Very High Energy Cosmic Ray Interactions CERN, August 18-22, 2014
27. I. De Mitri, Measurement of the cosmic ray all-particle and light-component energy spectra with the ARGO-YBJ experiment, ECRS 2014: European Cosmic Ray Symposium Kiel, September 1-5, 2014
28. I. De Mitri, Study of extensive air shower structure near its axis with the ARGO-YBJ experiment, ECRS 2014: European Cosmic Ray Symposium Kiel, September 1-5, 2014
29. I. De Mitri, Measurement of the cosmic ray all-particle and light-component energy spectra with the ARGO-YBJ experiment, RICAP 2014: Roma International Conference on Astroparticle Physics Noto, September 30-October 3, 2014
30. I. De Mitri, *Cosmic Ray measurements around the knee of the energy spectrum* Workshop on Multiple Messengers and Challenges in Astroparticle Physics Gran Sasso Science Institute (GSSI) L'Aquila (Italy), October 6-17, 2014
31. G. De Nunzio, Computer-Assisted Detection in FLAIR and DT neuroimages: automatic segmentation and volume assessment of cerebral gliomas. *Dagli atomi al cervello - Le Scienze di Base per la comprensione delle funzioni del cervello.* Milano, Jan. 27
32. G. De Nunzio, Robust gray-level standardization in brain Magnetic-Resonance images. *Dagli atomi al cervello - Le Scienze di Base per la comprensione delle funzioni del cervello.* Milano, Jan. 27
33. F. De Paolis, The supermassive black hole at the galactic center, International Workshop on recent LHC results and related topics, Shkodra, Albania, Oct. 6-9.
34. S. Fonti, Hydrate Minerals on 67P/CG, VIRTIS Science Team Meeting #8, Roma. Oct. 21-24
35. S. Fonti, Nucleus surface temperatures, VIRTIS Science Team Meeting #8, Roma, Oct. 21-24

36. C. Garola, Outline of a Generalization and a Reinterpretation of Quantum Mechanics Recovering Objectivity, 12th Biennial IQSA Meeting on Quantum Structures, Olomouc, Czech Republic, June 23-27.
37. L. Girlanda Determining the three-nucleon force from three-nucleon data, Bound states and resonances in Effective Field Theories and Lattice QCD calculations Benasque (Spain), July 20 - Aug. 1.
38. F. Gontad, Preparation of metallic thin film photocathodes by pulsed laser deposition, P3 2014: Photocathodes Physics for Photoinjectors Workshop, Lawrence Berkeley National Laboratory (LBL), Berkeley, United States, Nov. 3-5.
39. F. Mancarella, Laboratory measurements of carbonate-phyllsilicate mixtures, Giornata della Planetologia, Roma, June 3-4
40. F. Mancarella, Laboratory measurements of carbonate-phyllsilicate mixtures, European Planetary Science Congress, Cascais, Sept. 07-12
41. L. Manni, PLS 2013/2014 - Spettroscopia stellare e pianeti extrasolari: un approccio didattico per le scuole superiori, 100° Congresso Nazionale SIF, Pisa, Sept. 22-26
42. F. Mancarella, Aqueous alteration detection in Tikhonravov crater, European Planetary Science Congress, Cascais, Sept. 07-12
43. E. Mangino, Analyticity of semigroups generated by Fleming-Viot type operators, 9th Euro-Maghreb Workshop on Evolution Equations, Marrakech, Sept. 22-26
44. G. Marsella, Multiple Shell Shower fronts in EAS with ARGO-YBJ, ISVHE-CRI 2014, Ginevra, Aug. 18-22.
45. G. Marsella, NeSSiE and sterile neutrinos, NOW2014, Otranto, Sept. 7-14.
46. L. Martina, Waves in Skyrme-Faddeev Model, Workshop on Nonlinear Waves and Integrable Systems, Taormina (ME) , June 8-13.
47. L. Martina, Laboratorio di Fisica Moderna, Meeting Nazionale PLS - Fisica: La fisica moderna nella scuola secondaria , Dip. Astronomia e Fisica, Catania, Sept. 5.
48. M. Mazzeo, Ultrastrong light-matter coupling in electroluminescent organic microcavities, 2nd Workshop on Surfaces, Interfaces and Functionalization Processes in organic compounds and applications- SINFO II, Trieste, June 25-27.
49. M. Mazzeo, Ultrastrong light-matter coupling in electroluminescent organic microcavities, European Optical Society Annual Meeting (EOSAM 2014), Berlin, Germany, Sept. 15-19

50. D. Pallara, Fractional operators: perimeters and related semilinear equations, PDE's, Control theory and Inverse problems, Bologna, Sept. 18.
51. F. Paparella, A Survey of Mathematical Ecology, Four invited lectures at the PhD in agrarian and forestry sciences, University of Torino, January-February
52. F. Paparella, Clustering and staircase formation in fingering convection, Workshop on Fundamentals on Climate, Atmosphere and Ocean Dynamics, Hamburg, May 12-14.
53. F. Paparella, Coherent structures and large-scale instabilities in fingering convection, Mini-Workshop on Coherent Structures and Nonlinear Waves at the 2014 General Assembly of SIMAI (Italian Society of Applied and Industrial Mathematics), Taormina, July 7-10
54. C. Pennetta, The desertification transition in semi-arid ecosystems: early indicators and effect of sprawl phenomena, International Conference on Statistical Physics, SigmaPhi 2014, Rhodes, Greece, July 7-11.
55. C. Pennetta, Desertification transition in semi-arid ecosystems and directed percolation, Interdisciplinary Symposium on Complex Systems, ISCS 2014, Firenze, Sept. 15-18.
56. C. Pennetta, Early warning signals of desertification transitions in semi-arid ecosystems, Biophys 2014: from Physics to Biology and beyond, Bologna, Sept. 10-12,
57. M.R. Perrone, Dust concentration in PM10 samples and comparison with model results, DUST2014-1st Int. Conf. on Atmospheric Dust, Castellaneta Marina (I), June 1 - 6
58. M. R. Perrone, LIDAR ratios and aerosol microphysical properties by multi wavelength lidar and sun photometer measurements over the Central Mediterranean, ACTRIS 4th W2-W20 workshop, Lille, Oct. 28-31.
59. D. Pisignano, Photon waveguiding and optical resonances management by electrospun nanofibers, 3rd International Conference on Electrospinning (Electrospin 2014) San Francisco, U.S.A., Apr. 07-08
60. D. Pisignano, Nanobiotech: nanomateriali e piattaforme tecnologiche, School of 3D Visualization, Simulation and Technologies in Medicine, CEIT, Otranto, May 12-17
61. D. Pisignano, Electrospun conjugated polymer nanofibers as miniaturized light sources: control of morphology, optical properties and assembly, Organic Light-Emitting Materials and Devices XVIII, International Symposium on Optics & Photonics 2014, SPIE's Annual Meeting, San Diego U.S.A., Sept. 17-21

62. M. Primavera on behalf of the ATLAS and CMS Collaborations, Natural SUSY searches in ATLAS and CMS, Naturalness 2014, Weizmann Institute of Science, Israel, Nov. 14-17.
63. B. Prinari, Inverse scattering transform for the focusing nonlinear Schrödinger equation with fully asymmetric non-zero boundary conditions, AMS National Meeting, Baltimore, (MD) U.S.A. Jan, 15-18
64. B. Prinari, Inverse scattering transform for the focusing nonlinear Schrödinger equation with fully asymmetric non-zero boundary conditions, AMS South-eastern spring sectional meeting, Knoxville (TN) U.S.A., March, 21-23.
65. B. Prinari, Inverse scattering transform for the focusing nonlinear Schrödinger equation with fully asymmetric non-zero boundary conditions, 10th AIMS conference, Madrid, Spain, July 7-11.
66. A. Rossi, Cosimo De Giorgi and the Development of Natural Sciences in the South of Italy, STEP 2014, Science and Technology in the European Periphery, 9-th STEP Meeting, Lisbona, Sept. 1-3.
67. A. Rossi, Alternatives to Positivism: Gaston Bachelard and Hèlène Metzger, XXXIV Convegno della Società italiana degli Storici della Fisica e dell'Astronomia, Firenze, Sept. 10-13.
68. C. Sempì, Copulae of processes related to the Brownian motion Fuzzy logic and related aspects, Conference in honour of E. P. Klement, Linz (Au), Oct. 2-3.
69. C. Sempì, The origin of the development of semi-copulas and their applications Convegno in ricordo di Bruno Bassan, Roma, Oct. 8.
70. Mirko Serino, Conformal Anomaly actions for Dilaton Interactions, QCD Work 2014, Giovinazzo (Bari - Italy), June 16-19.
71. I. Sgura, Spatio-temporal organization in a reaction-diffusion model for alloy electrodeposition. Part II: numerical issues", Workshop on Numerical Simulation of Evolutionary Processes, C.N.R., Area della Ricerca, Bari Italy, Jan. 14-17
72. I. Sgura, Numerical methods for spatio-temporal oscillating solutions in reaction-diffusion models, ICNAAM 2014, Rhodes, Greece, Sept. 22-28.
73. C. Spina, Weighted Rellich and Calderón-Zygmund inequalities in L^p spaces, 9th Euro-Maghrebian Workshop on Evolution Equations Mar-rakesh, Sept. 2014.
74. F. Vitale, The Inverse Scattering Transform for the Focusing Nonlinear Schrödinger Equation with Fully Asymmetric Non-zero Boundary Conditions, GNFM 2014, Montecatini Terme (Italy), May 14 - 17

75. A. Surdo (on behalf of ARGO-YBJ Collaboration), Measurement of the Cosmic Ray spectra by the ARGO-YBJ experiment, NOW-2014, Otranto (IT), Sept. 7-14.
76. A. Ventura on behalf of the ATLAS and CMS Collaborations, Third Generation Squark Searches, Physics at LHC and beyond, Quy-Nhon, Vietnam, Aug. 10-17.
77. F. Vitale, The Inverse Scattering Transform for the Focusing Nonlinear Schrödinger Equation with Fully Asymmetric Non-zero Boundary Conditions, SIAM Conference on Nonlinear Waves and Coherent Structures, Cambridge, UK, Aug. 11 - 14
78. F. Vitale, The Inverse Scattering Transform for the Focusing Nonlinear Schrödinger Equation with Fully Asymmetric Non-zero Boundary Conditions, Integrability and All That 2014, Lecce (Italy), Sept. 18 -19
79. R. Vitolo, On the projective geometry of third-order homogeneous Hamiltonian operators, Symmetry and Perturbation Theory 2014, Cala Gonone (Sardinia), May 2
80. R. Vitolo, On the projective geometry of third-order homogeneous Hamiltonian operators, Workshop on Integrable Equations, Università Milano Bicocca, June 5
81. R. Vitolo: On the mathematical structure of the equation of shear waves in elastodynamics, Workshop in memory of G. Crupi, Accademia Peloritana dei Pericolanti, Messina, Nov. 15