

## TALKS AT CONFERENCES AND WORKSHOPS

1. Giulia Alemanno  
**Systematic study of parameters influencing spectral behavior of laboratory mixtures.**  
*EGU General Assembly 2017*  
Vienna (Austria), Apr. 23-28
2. Giulia Alemanno  
**Global map and spectroscopic analyses of Martian fluvial systems: paleoclimatic implications.**  
*EGU General Assembly 2017*  
Vienna (Austria), Apr. 23-28
3. Giulia Alemanno  
**Martian fluvial systems: global mapping and spectroscopic analyses.**  
*1st IUGG Symposium on Planetary Science*  
Berlino (Germania), Jul. 3-5
4. Giulia Alemanno  
**Spectral behavior of particulate samples with temperature variations.**  
*VIRTIS Science Team Meeting # 15*  
Firenze (Italia), Oct. 26-27
5. Luciana Angiuli  
**An overview on linear parabolic systems with unbounded coefficients.**  
*PDEs and Applications*  
Bologna, May 22-26
6. Luciana Angiuli  
**An overview on linear parabolic systems with unbounded coefficients.**  
*Incontro PRIN "Deterministic and Stochastic Evolution Equations*  
Parma, Sept. 4-6
7. Marco Anni  
**Temperature dependence of the Amplified Spontaneous Emission Properties from CsPbBr<sub>3</sub> nanocrystal films.**  
*3rd International Conference on Perovskite Solar Cells and Optoelectronics*  
Oxford (UK), Sept. 18-20.
8. Giorgia Aprile  
**Concerning the extinction of the wild horse in Italy and the newly introduction as domesticated: recent evidence from Grotta dei Cervi - Porto Badisco (Otranto, south Italy)**  
*3rd IMEKO International Conference on Metrology for Archaeology and Cultural Heritage, 2017, October 23-25, 2017 Lecce, Italy*
9. Giorgia Aprile  
**Radiocarbon dates from prehistoric sites in the Badisco area (Otranto-Le)**

*3rd IMEKO International Conference on Metrology for Archaeology and Cultural Heritage, 2017,*  
October 23-25, 2017 Lecce, Italy

10. Konstantinos Bachas  
**Searches for new heavy resonances in diboson final states with ATLAS at 13 TeV.**  
*IFAE 2017 XVI "Incontri di fisica delle alte energie"*  
Trieste, Apr. 19 al 21.
11. Konstantinos Bachas  
**Drell Yan lepton angular dependencies at the LHC.**  
*Transversity 2017*  
Frascati National Laboratories, Frascati, Dec. 11-15
12. Adriano Barra  
**Symmetry breaking and Andronov-Hopf bifurcations.**  
*Critics: Critical transitions in complex systems*  
Università del Salento (Rettorato), Lecce, May 2017
13. Adriano Barra  
**Statistical mechanics of lymphocyte networks.**  
*Modeling and computational approaches to biology and medicine.*  
Istituto Nazionale d'Alta Matematica, Roma, June 2017
14. Adriano Barra  
**Neural networks that learn, unlearn and sleep**  
*One-day conference to celebrate the Jülich Supercomputing Center.*  
Jülich Supercomputing Center, Jülich, Germany, June 2017
15. Paolo Bernardini (on behalf of DAMPE Collaboration)  
**Studies on Helium flux with DAMPE**  
*35th International Cosmic Ray Conference*  
Busan, Korea, July 12-20, 2017
16. Vittorio Bilò  
**Simple greedy algorithms for fundamental multidimensional graph problems.**  
*44th International Colloquium on Automata, Languages, and Programming*  
Warsaw, July 10-14
17. Vittorio Bilò  
**The complexity of computational problems about Nash equilibria in multi-player games.**  
*GSSI Algorithmic Summer Workshop: Algorithms, Games and Markets*  
L'Aquila, July 13-14
18. Eugenia Braione  
**A new combined IRMS-AMS system for the measurement of small samples at CEDAD**  
*3rd IMEKO International Conference on Metrology for Archaeology and Cultural Heritage,*  
October 23-25, 2017 Lecce, Italy
19. G. Buccolieri  
**Le corone doro del Museo MArTA di Taranto: misure in situ degli spessori delle foglie doro**  
*CONVEGNO Tematico AIAr - Beni Culturali: grandi facilities, reti e networks di laboratori,*

Firenze, 8 - 10 Marzo 20

20. A. Buccolieri  
**Non-invasive and in situ analysis of golden leaves of a golden crown from Museum of Taranto, Italy**  
*IMEKO International Conference on Metrology for Archaeology and Cultural Heritage.*  
Lecce, 23-25 Ottobre 2017
21. Lucio Calcagnile  
**Solving an historical puzzle: radiocarbon dating the Capitoline she wolf**  
*International Conference on Accelerator Mass Spectrometry,*  
Ottawa, Canada, 14-18 August 2017
22. Lucio Calcagnile  
**The Centre for Dating and Diagnostics at the University of Salento: status report after 15 years**  
*14th International Conference on Accelerator Mass Spectrometry,*  
Ottawa, Canada, 14-18 August 2017
23. Lucio Calcagnile  
**Reconstructing the evolution of marine speleothems in the Mediterranean sea**  
*14th International Conference on Accelerator Mass Spectrometry,*  
Ottawa, Canada, 14-18 August 2017
24. Lucio Calcagnile  
**The new gas ion source at CEDAD for 14C applications**  
*International Radiocarbon in the Environment conference*  
Debrecen-Hunagry, 3-7 July, 2017
25. Lucio Calcagnile  
**The AMS-IBA techniques for Cultural Heritage studies at CEDAD**  
*Symposium: Le patrimoine sous le faisceau des particules : AGLAE, de nouvelles performances au service des oeuvres,*  
Paris, France, 30 November, 2017
26. Lucio Calcagnile  
**A novel IRMS-AMS system at CEDAD as a tool for microgram samples: from basic to applications**  
*The AMS14 International Conference, Small 14C samples workshop,*  
Ottawa, Canada, 14-18, August 2017
27. Lucio Calcagnile  
**Accelerator-based techniques for cultural heritage, environment and materials science studies at CEDAD**  
*103th Congresso Nazionale della Società Italiana di Fisica,*  
Trento, 11-15 Settembre 2017
28. Lucio Calcagnile  
**Accelerator-based techniques for cultural heritage, environment and materials science studies at CEDAD**  
*103th Congresso Nazionale della Società Italiana di Fisica,*  
Trento, 11-15 Settembre 2017
29. Giovanni Calvaruso  
**Recent results on the geometry of the oscillator group**

*Workshop su varietà reali e complesse: geometria, topologia e analisi armonica.*  
Scuola Normale Superiore (Pisa), Feb. 24-26

30. Giovanni Calvaruso  
**Left-invariant paracomplex structures and affine structures on Lie groups.**  
*19th OMG-DMV congress (Convegno delle società matematiche di Austria e Germania)*  
Salisburgo (Austria), Sept. 11-15
31. Gabriella Cataldi for the Pierre Auger Collaboration  
**AugerPrime: the upgrade program of the Pierre Auger Observatory.**  
*European Physical Society Conference on High Energy Physics (EPS-HEP)*  
Venice, Italy, July 5-12
32. Francesco Catino  
**Braces over a field and subgroups of the affine group.**  
*Groups, Rings and the Yang-Baxter equation*  
Spa, Belgio, June 18-24.
33. Anna Maria Cherubini  
**A Study of the Stochastic Resonance as a Periodic Random Dynamical System**  
*DinAmici V Modern Trends in the Ergodic Theory of Dynamical Systems*  
Rome, June 5-9
34. Anna Maria Cherubini  
**A Study of Stochastic Resonance as a Periodic Random Dynamical System.**  
*Llavest: A Broad Perspective on Finite and Infinite Dimensional Dynamical*  
Barcelona, June 12-16
35. Anna Maria Cherubini  
**Periodic random dynamical systems**  
*WASCOM 2017*  
Bologna, June 12-16
36. Giampaolo Co'  
**Matter distribution and spin-orbit force in spherical nuclei.**  
*Recent developments in microscopic theories for nuclear structure*  
Universidad Autónoma de Madrid, Madrid, Spain, Nov. 29, Dec. 1.
37. R. De Angelis  
**A particle space distribution from fusion reactions in Boron irradiated by mono-energetic protons**  
*Plasma Physics by LASers ad Applications, PPLA 2017 Conference, Messina 5-7 Luglio 2017*
38. Antonio De Benedittis (on behalf of DAMPE Collaboration)  
**The DAMPE Space Mission**  
*International School of Space Science, Cosmic Ray Physics in Space.*  
L'Aquila, Italy, June 11-16
39. Antonio De Benedittis (on behalf of DAMPE Collaboration)  
**Study of Galactic Cosmic Rays with the DAMPE Experiment.**  
*103<sup>o</sup> Congresso Nazionale Società Italiana di Fisica*  
Trento, Italy, Sept. 11-15
40. Marcella D'Elia  
**Un approccio innovativo per il tutoraggio in itinere nel Corso di laurea in Fisica.**

103<sup>o</sup> Congresso della Società Italiana di Fisica  
Trento (Italy), Sept. 11-15

41. Marisa DELia  
**Reconstructing the evolution of marine speleothems in the Mediterranean sea**  
*14th International Conference on Accelerator Mass Spectrometry, Ottawa, Canada, 14-18 August 2017*
42. Ivan De Mitri  
**Recent Advances in Cosmic Ray Observations.**  
*29th International Texas Symposium on Relativistic Astrophysics.*  
Cape Town (South Africa) Dec. 3-8
43. G. De Nunzio  
**Semi-automatic segmentation of architectural 3D models with semantic annotation and Web fruition.**  
*3rd IMEKO INTERNATIONAL CONFERENCE ON METROLOGY FOR ARCHAEOLOGY AND CULTURAL HERITAGE*  
Lecce. Oct. 23-25
44. Margherita Di Santo (on behalf of HERD Collaboration)  
**The HERD (High Energy Radiation Detection) space mission**  
*International School of Space Science (ISSS), Cosmic Ray Physics in Space.*  
L'Aquila, Italy, June 12-16
45. Margherita Di Santo (on behalf of DAMPE Collaboration)  
**Identificazione della carica dei raggi cosmici galattici**  
*103<sup>o</sup> National Congress of the Italian Physical Society (SIF)*  
Trento, Italy, September 11-15, 2017
46. Sergio Fonti  
**Laboratory studies of mixtures of particulate materials-Part I: Theoretical frame.**  
*VIRTIS Science Team Meeting # 15*  
Firenze, Oct. 26-27 Ottobre
47. Massimo Frittelli  
**Numerical preservation of invariant regions for reaction-CROSS-diffusion.**  
*27th Biennial Conference on Numerical Analysis,*  
Univ of Strathclyde, Glasgow, Scotland, June 27-30, 2017
48. Massimo Frittelli  
**Virtual Element Method for the Laplace-Beltrami equation on surfaces**  
*POEMS (Polytopal Element Methods in Math and Eng)*  
Univ. degli Studi di Milano Bicocca, July 5-7
49. Massimo Frittelli  
**Numerical preservation of invariant regions for reaction-diffusion PDE systems on evolving surfaces.**  
*SciCADE 2017 - International Conference on Scientific Computation and Differential Equations,*  
University of Bath, UK, September 11-15, 2017
50. Luca Girlanda  
**Nuclear electroweak currents in ChEFT**

ECT\* Doctoral Training Program 2017: Microscopic theories of nuclear  
ECT\*, Trento, June 12-30

51. Luca Girlanda  
**Symmetries and fundamental interactions, theory**  
*Rewriting Nuclear Physics textbooks*  
Pisa, July 24-28
52. Luca Girlanda  
**Subleading Contact TNI and the A=3 continuum**  
*Ab Initio Nuclear Structure and Electroweak Response: Current Status and*  
Jefferson Lab, Newport-News, VA, USA, Aug.
53. Francesco G. Gravili  
**Masterclass sulla Fisica di ATLAS a Lecce**  
*103° Congresso Nazionale della Società Italiana di Fisica*  
Trento, Sept. 11-15
54. Francesco G. Gravili  
**MultiVariate Analysis Tutorial**  
*XIII Workshop ATLAS Italia*  
Pavia, Oct. 25-27
55. Antonio Leaci  
**Segmentation and inpainting of color images**  
*Mathematical Methods for Digital Image Analysis and Processing.*  
Villa Toeplitz, Varese, March 6-7.
56. Francesca Mancarella  
**Laboratory studies of mixtures of particulate materials-Part II: Measurements.**  
*VIRTIS Science Team Meeting #15*  
Firenze (Italia), Oct. 26-27
57. Francesca Mancarella  
**Laboratory work in support of MAJIS observations of rocky Jovian satellites.**  
*MAJIS Science Team Meeting # 4*  
Institut d'Astrophysique Spatiale, Orsay (Francia), Nov. 14-16
58. Elisabetta Mangino  
**Is linear chaos a "quiet" chaos?**  
*CRITICS Spring Doctoral School*  
Lecce, Apr. 21.
59. Elisabetta Mangino  
**Composition operators between Fock space.**  
*Workshop on Functional Analysis and Operator Theory*  
Valencia, Sept. 21.
60. Giovanni Marsella  
**Recent Results from the DAMPE Experiment.**  
*XVIII Lomonosov Conference on Elementary Particle Physics*  
Moscow, Russia, Aug. 24-30
61. Daniele Martello for the Pierre Auger Collaboration  
**The Pierre Auger Observatory Upgrade**  
*35th International Cosmic Ray Conference (ICRC2017)*  
Bexco, Busan, Korea, July 12-20

62. Daniele Martello for the Collaborazione Pierre Auger  
**L'Osservatorio Pierre Auger e il suo programma di potenziamento.**  
*103<sup>o</sup> Congresso Nazionale dell Società Italiana di Fisica (SIF2017)*  
 Trento, Sept. 11-15
63. L. Maruccio  
**Study of the catalytic reduction of CO<sub>2</sub> on Ti relevant for gas ion source functioning**  
*14th International Conference on Accelerator Mass Spectrometry,*  
 Ottawa, Canada, 14-18 August 2017
64. Luigi Longo for the ATLAS Collaboration  
**Search for top squark pair production and decay in four bodies, with two leptons in the final state, at the ATLAS Experiment with LHC Run 2 data**  
*European Physics Society Conference on High Energy Physics, (EPS-HEP 2017)*  
 Venezia, July 5-12
65. Luigi Longo for the ATLAS Collaboration  
**Search for top squark pair production in final states with two leptons at LHC Run 2 with the ATLAS detector**  
*European Physics Society Conference on High Energy Physics, (EPS-HEP 2017)*  
 Venezia, July 5-12
66. Luigi Longo  
**Characteristics of Micromegas detectors at high temperature**  
*5th International Conference on Micro-Pattern Gas Detectors (MPGD2017)*  
 Template University, Philadelphia (USA), May 22-26
67. Luigi Longo for the ATLAS Collaboration  
**Search for pair production of top squark at LHC Run 2 with the ATLAS detector**  
*XVI Incontri di Fisica delle Alte Energie (IFAE 2017)*  
 Trieste (Italy), April 19-21
68. Daniele Montanino  
**Spectral Hardening of cosmic TeV photons in realistic extragalactic magnetic fields.**  
*13th Patras Workshop on Axions, Wimps and Wisps*  
 Thessaloniki, Greece, May 15-19
69. Daniele Montanino  
**Spectral Hardening of cosmic TeV photons in realistic extragalactic magnetic fields.**  
*Axions at the crossroads: QCD, dark matter, astrophysics*  
 Trento, Italy, Nov. 20-24.
70. Alessandro Mirto  
**Ricerca di produzione diretta di squark top in stati finali con due leptoni**  
*103<sup>o</sup> Congresso Nazionale della Società Italiana di Fisica*  
 Trento, Sept. 11-15
71. Alessandro Mirto  
**Italian SUSY effort**  
*XIII Workshop ATLAS Italia*  
 Pavia, Oct. 25-27
72. Gaetano Napoli  
**Equilibrium of two nested elastic rings.**

*NdAM Meeting on Mathematical Physics of Living Systems*  
Cortona, Aug 27 - Sep 2

73. Diego Pallara  
**Heat Semigroup and perimeters: the local and the nonlocal cases.**  
*Operator Semigroups in/for Analysis: modern developments*  
Będlewo (Polonia), Apr. 23 – 29.
74. Andrea Perulli  
**Color tuning in binary polymer:perovskite nanocrystals organic-inorganic hybrid blends.**  
*3rd International Conference on Perovskite Solar Cells and Optoelectronics*  
Oxford (UK), Sept. 18-20.
75. Lorenzo Perrone for the Pierre Auger Collaboration  
**Results from the Pierre Auger Observatory.**  
*15th International Conference on Topics in Astroparticle and Underground Physics, TAUP17*  
Sudbury, ON, Canada, July 24 - 28
76. Maria Rita Perrone  
**Lidar and in situ observations of aerosols, radiation fluxes, and meteorological parameters during the 20 March 2015 solar eclipse over southern Italy.**  
*SPIE Remote Sensing*  
Warsaw (Poland), Sept. 12
77. Dario Pisignano  
**New light emission and waveguiding properties in electrospun optical nanofibers.**  
*ONNA: Optical Nanofiber Applications: From Quantum to Bio Technologies*  
Okinawa (Japan), June 5-8
78. Dario Pisignano  
**Enhanced photon coupling and transport properties in electrospun nanowires.**  
*MP1206 COST Conference ELECTROSPINCY*  
Nicosia (Ciprus), Apr. 19-21
79. Marina Popolizio  
**On the computation of Mittag-Leffler functions with matrix arguments.**  
*Giornata su "Fractional Calculus and its Applications"*  
Uninettuno, Roma, Jan. 27
80. Marina Popolizio  
**On the computation of the matrix Mittag-Leffler function with applications to fractional calculus.**  
*International conference on Transform Methods and Special Functions,*  
Bulgarian Academy of Sciences, Sofia (Bulgaria), Aug. 27 - 30
81. G. Quarta  
**AMS-14C determination of the biogenic-fossil fraction in fuel gases**  
*2nd International Radiocarbon in the Environment conference- Debrecen-Hungary, 3-7 July, 2017*
82. G. Quarta  
**From exotic to routine: 14C AMS for the analysis of carbon based products and stack emissions from industrial sources**



*14th International Conference on Accelerator Mass Spectrometry,*  
Ottawa, Canada, 14-18 August 2017.

83. Rosaria Rinaldi  
**Toxicity assessment of anatase and rutile titanium dioxide nanoparticles: the role of degradation in different ph conditions and light exposure.**  
*Towards Reliably in Nanoscale Materials IX*  
Levi (Finland), Feb. 13-16
84. Rosaria Rinaldi  
**Multifunctional nano-carriers for theranostics.**  
*Nanobiomed Sardinia*  
Alghero, June 24 - 27
85. Rosaria Rinaldi  
**Microfluidics and BIO-encapsulation for drug- and cell-therapy.**  
*SPIE Optics and photonics*  
San Diego (USA), Aug. 6 - 11
86. G. Semeraro, F. Notarstefano, R. Caldarola, G. Quarta, L. Calcagnile  
**Investigations on provenance and content of archaic transport amphorae from Castello di Alceste (S.Vito dei Normanni-Br) by chemical analyses through XRF/FP and GC-MS**  
*3rd IMEKO International Conference on Metrology for Archaeology and Cultural Heritage,*  
October 23-25, 2017 Lecce, Italy
87. Stefania Spagnolo for the ATLAS collaboration  
**Production of Electroweak Bosons in association with jets at the ATLAS detector.**  
*Low x Meeting, Bari, Italy, June 13-17 2017*  
Bari, (Italy), June 13-17 2017
88. Chiara Spina  
**Kernel estimates for elliptic operators with second order discontinuous coefficients.**  
*Deterministic and stochastic evolution equations*  
Parma, Sept. 4-6
89. Andrea Ventura for the ATLAS Collaboration  
**Searches for Supersymmetry**  
*21st Particle and Nuclei International Conference (PANIC 2017)*  
Beijing (China), Sept. 1-5
90. Raffaele Vitolo  
**On the geometry of third-order homogeneous Hamiltonian operators.**  
*Dynamics in Siberia, invited speaker*  
Sobolev Mathematical Institute, Novosibirsk, Russia, 26/02/2017-04/03/2017.
91. Raffaele Vitolo  
**The symbolic computation of Hamiltonian operators for integrable systems.**  
*Assemblea Scientifica del Gruppo Nazionale di Fisica Matematica*  
Montecatini Terme, 4-6 maggio 2017.
92. Raffaele Vitolo  
**On the geometry of third-order homogeneous Hamiltonian operators.**  
*Geometry, Symmetry and Dynamics, invited speaker*  
S. Marinella, Roma, 5-7 giugno 2017.

93. Raffaele Vitolo

**Systems of conservation laws with third-order Hamiltonian operators.**

*Workshop on Geometry and Integrable Systems, invited speaker*

SISSA, Trieste, 7-9 giugno 2017.