

PUBLICATIONS

Books

1. D. Valerini, A. Cretì, A. P. Caricato, M. Lomascolo, R. Rella, M. Martino
ZnO nanostructures deposited by laser ablation.
Nova Science Publishers Inc., New York (2010)

Editorial work

1. C. Alunni , M. Castellana, D. Ria, A. Rossi
Albert Einstein et Hermann Weyl (1955-2005): Questions Épistémologiques Ouvertes
Barbieri Selvaggi Editori-Editions Rue d'Ulm, Manduria, (2010)
2. P. Bernardini, G. Fogli, E. Lisi
NOW 2008
Nucl. Phys. B (Proc. Suppl.) 118 (2009)
3. M. Boiti, F. Pempinelli, A. K. Pogrebkov, B. Prinari
Nonlinear physics: theory and experiment. V
Theor. Math. Phys. Vol. 159 issue 3 and Vol. 160 issue 1 (2009)

Contributions to books

1. C. Buttarò, A. Rossi
Franco Rasetti: "Little Science" versus "Big Science"?
Relatività, quanti, caos e altre rivoluzioni della fisica
E. Giannetto, G. Giannini, M. Toscano Eds.
Guaraldi, Rimini, (2010).
2. C. Garola
Truth and completeness in Quantum Mechanics: A semantic view

Albert Einstein et Hermann Weyl (1955-2005): Questions Épistémologiques Ouvertes
C. Alunni, M. Castellana, D. Ria, A. Rossi Eds.
Barbieri Selvaggi Editori-Editions Rue d'Ulm, Manduria, (2010).

3. A. Morando, S. D'Agostino, A. Rossi

Gian Antonio Maggi

Da Archimede a Majorana: la fisica nel suo divenire
E. Giannetto, G. Giannini, D. Capecchi, R. Pisano Eds.
Guaraldi, Rimini, (2009).

4. A. Rossi

Science and common sense: the relativistic turn

Albert Einstein et Hermann Weyl 1955-2005. Questions épistémologiques ouverte
C. Alunni, M. Castellana, D. Ria, A. Rossi Eds.
Barbieri Selvaggi Editori, Manduria, Paris, Rue d'Ulm, (2009)

5. A. Rossi

L'evoluzione della fisica

La cultura scientifica del nostro tempo
D. Ria et al. Eds.
Barbieri Selvaggi, Manduria, (2009)

6. A. Rossi

The Foundational Side of Italian Physics in the First Half of the XXth Century

Sentieri aperti della ragione. Verità, metodo, scienza. Scritti in onore di D. Antiseri nel suo 70^o compleanno
G. Franco Ed.
Pensa Editore, Lecce (2010)

7. D. Valerini, A. Cretì, A. P. Caricato, M. Lomascolo, R. Rella, M. Martino

ZnO Nanostructures Deposited by Laser Ablation

Advances in Nanotechnology. Vol. 4
Zacharie Bartul and Jérôme Trenor Eds.
Nova Science Publishers Inc., New York (2010)

Scientific journals

Experiment

Astroparticle physics

1. J. Abraham et al. (Pierre Auger observatory collaboration)
Measurement of the energy spectrum of cosmic rays above 10^{18} eV
Phys. Lett. B 685 (2010) 239
2. J. Abraham et al. (Pierre Auger observatory collaboration)
Trigger and aperture of the surface detector array of the Pierre Auger observatory
Nucl. Instrum. Meth. A 613 (2010) 29

3. J. Abraham et al. (Pierre Auger observatory collaboration)
The fluorescence detector of the Pierre Auger observatory
 Nucl. Instrum. Meth. A 620 (2010) 227
4. J. Abraham et al. (Pierre Auger observatory collaboration)
Measurement of the depth of maximum of extensive air showers above 10^{18} eV
 Phys. Rev. Lett. 104 (2010) 091101
5. J. Abraham et al. (Pierre Auger observatory collaboration)
Atmospheric effects on extensive air showers observed with the surface detector of the Pierre Auger observatory
 Astropart. Phys. 32 (2009) 89
6. J. Abraham et al. (Pierre Auger observatory collaboration)
Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger observatory
 Astropart. Phys. 31 (2009) 399
7. J. Abraham et al. (Pierre Auger observatory collaboration)
Limit on the diffuse flux of ultra-high energy tau neutrinos with the surface detector of the Pierre Auger observatory
 Phys. Rev. D 79 (2009) 102001
8. P. Abreu et al. (Pierre Auger observatory collaboration)
Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter
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9. P. Abreu et al. (Pierre Auger observatory collaboration)
The exposure of the hybrid detector of the Pierre Auger observatory
 Astropart. Phys. 34 (2010) 368
10. P. Abreu et al. (Pierre Auger observatory collaboration)
A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger observatory
 Astropart. Phys. 33 (2010) 108
11. G. Aielli et al. (ARGO-YBJ collaboration)
Enhanced TeV gamma ray flux from the Crab Nebula observed with the ARGO-YBJ detector
 Astronomer's Telegram 2921 (2010) Oct. 11
12. G. Aielli et al. (ARGO-YBJ collaboration),
Gamma-Ray flares from Mrk421 in 2008 observed with the ARGO-YBJ detector
 Astroph. J. Lett. 714 (2010) L208
13. G. Aielli et al. (ARGO-YBJ collaboration)
Proton-air cross section measurement with the ARGO-YBJ cosmic ray experiment
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14. G. Aielli et al. (ARGO-YBJ collaboration)
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15. G. Aielli et al. (ARGO-YBJ collaboration)
Temperature effect on RPC performance in the ARGO-YBJ experiment
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16. G. Aielli et al. (ARGO-YBJ collaboration)
ARGO-YBJ constraints on very high energy emission from GRBs
 Astropart. Phys. 32 (2009) 47
17. G. Aielli et al. (ARGO-YBJ collaboration)
Search for Gamma Ray Bursts with the ARGO-YBJ detector in Scaler Mode
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Astrophysics

1. A. Coradini et al.
The martian atmosphere as observed by VIRTIS-M on Rosetta spacecraft
 J. Geophys. Res. Planets 115 (2009) E04004
2. D. Elia et al.
A Herschel study of YSO evolutionary stages and formation timelines in two fields of the Hi-GAL survey
 Astronomy and Astrophysics 518L (2010) 97
3. S. Fonti, G. A. Marzo
Mapping the methane on Mars
 Astronomy and Astrophysics 512 (2010) A51
4. S. Fonti, S. Montanaro, R. Politi, A. Blanco, A. C. Marra, G. A. Marzo, V. Orofino
Infrared reflectance spectra of particulate mixtures
 J. Geophys. Res. 115, (2010) E06003
5. T. Giannini, D. Lorenzetti, D. Elia, F. Strafella, M. De Luca, G. Fazio, M. Marengo, B. Nisini, H. A. Smith
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6. P. G. Martin et al.
Direct estimate of cirrus noise in Herschel Hi-GAL images
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7. S. Molinari et al. (Herschel/Hi-GAL Collaboration)
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8. S. Molinari et al. (Herschel/Hi-GAL Collaboration)
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10. L. Olmi, D. Angles-Alcazar, M. De Luca, D. Elia, T. Giannini, D. Lorenzetti, F. Massi, P. G. Martin, F. Strafella
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12. V. Orofino, A. Blanco, M. D'Elia, S. Fonti, D. Licchelli
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13. V. Orofino, A. Blanco, M. D'Elia, D. Licchelli, S. Fonti, G. A. Marzo
Study of terrestrial fossils in phyllosilicate-rich soils: implication in the search for biosignatures on Mars
Icarus 208 (2010) 202
14. F. Strafella, D. Elia, L. Campeggio, T. Giannini, D. Lorenzetti, M. Marengo, H. A. Smith, G. Fazio, M. De Luca, F. Massi
The Spitzer-IRAC point-source catalog of the Vela-D cloud
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Condensed matter

1. A. P. Caricato, M. Anni, M. G. Manera, M. Martino, R. Rella, F. Romano, T. Tunno, D. Valerini
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Applied Surface Science 255 (2009) 9659
2. A. P. Caricato, M. Cesaria, A. Luches, M. Martino, G. Maruccio, D. Valerini, M. Catalano, A. Cola, M. G. Manera, M. Lomascolo, A. Taurino, R. Rella
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3. A. P. Caricato, M. Epifani, M. Martino, F. Romano, R. Rella, A. Taurino, T. Tunno, D. Valerini
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4. A. P. Caricato, N. T. Gorbachuk, A. M. Korduban, G. Leggieri, A. Luches, P. Mengucci, S. A. Mulenko, D. Valerini
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Journal of Vacuum Science and Technology B 28 (2010) 295
5. A. P. Caricato, G. Leggieri, M. Martino, A. Vantaggiato, D. Valerini, A. Creti, M. Lomascolo, M. G. Manera, R. Rella, M. Anni
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6. A. P. Caricato, A. Luches, R. Rella
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8. F. Fotsa-Ngaffo, A. P. Caricato, F. Romano
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9. A. Lamperti, G. Radnoczi, A. P. Caricato, C. Trautmann, P. M. Ossi
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Pulsed laser deposition of organic and biological materials
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1. The ATLAS Collaboration (G. Aad et al.)
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6. The FOCUS Collaboration (J.M. Link et al.)
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 Phys. Rev. C 79 (2009) 015201

Instrumentation and technical advances

1. C. Adorisio et al.
Study of the ATLAS MDT spectrometer using high energy CERN combined test beam
 Nucl. Instr. Meth. A 598 (2009) 400
2. F. Anulli et al.
The Level-1 trigger muon barrel system of the ATLAS experiment at CERN
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3. The ATLAS Collaboration (G. Aad et al.)
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4. The ATLAS Collaboration (G. Aad et al.)
Performance of the ATLAS detector using first collision data
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5. The ATLAS Collaboration (G. Aad et al.)
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6. The ATLAS Collaboration (G. Aad et al.)
Drift time measurement in the ATLAS liquid argon electromagnetic calorimeter using cosmic muons
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7. The ATLAS Collaboration (G. Aad et al.)
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8. The ATLAS Collaboration (G. Aad et al.)
The ATLAS simulation infrastructure
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Interdisciplinary applications

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30. U. Singh, N. Jha, T.P. Singh, A. Kapoor, A. Perrone
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Theory

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