

Pubblicazioni del Prof. Roberto Battiston

Citations summary

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456 papers found, 395 of them citeable (published or arXiv)

Citation summary results	Citeable papers	Published only
Total number of papers analyzed:	395	373
Total number of citations:	20,002	19,953
Average citations per paper:	50.6	53.5
Breakdown of papers by citations:		
Renowned papers (500+)	5	5
Famous papers (250-499)	3	3
Very well-known papers (100-249)	25	25
Well-known papers (50-99)	58	58
Known papers (10-49)	190	189
Less known papers (1-9)	85	75
Unknown papers (0)	29	18
h_{HEP} index [?]	63	63

1) Proceedings of the 4th International Conference on Particle and Fundamental Physics in Space (SpacePart12) : Geneva, Switzerland, 5-7 November, 2012
By Roberto Battiston, Sergio Bertolucci.
[Nucl.Phys.Proc.Suppl. 243–244 \(2013\) pp.1-258.](#)

2) First evidence for correlations between electron fluxes measured by NOAA-POES satellites and large seismic events
By Roberto Battiston, Vincenzo Vitale.
[10.1016/j.nuclphysbps.2013.09.002.](#)
[Nucl.Phys.Proc.Suppl. 243-244 \(2013\) 249-257.](#)

3) Ettore Majorana: Unpublished Research Notes on Theoretical Physics
By Salvatore Esposito, Erasmo Recami, Alwyn van der Merwe, Roberto Battiston.
[10.1007/978-1-4020-9114-8.](#)

4) Development of new photon detection device for Cherenkov and fluorescence radiation
By C. Aramo, A. Ambrosio, M. Ambrosio, R. Battiston, P. Castrucci, M. Cilmo, M. de Crescenzi, E. Fiandrini et al..
[10.1051/epjconf/20135308014.](#)
[EPJ Web Conf. 53 \(2013\) 08014.](#)

5) Progress on the development of a silicon-carbon nanotube photodetector
By C. Aramo, A. Ambrosio, M. Ambrosio, R. Battiston, P. Castrucci, M. Cilmo, M. De Crescenzi, E. Fiandrini et al..
[10.1016/j.nima.2012.10.107.](#)
[Nucl.Instrum.Meth. A718 \(2013\) 554-556.](#)

6) First Result from the Alpha Magnetic Spectrometer on the International Space Station: Precision Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5–350 GeV

By AMS Collaboration (M. Aguilar et al.).
[10.1103/PhysRevLett.110.141102](https://doi.org/10.1103/PhysRevLett.110.141102).
Phys.Rev.Lett. 110 (2013) 141102.

7) Electroweak Measurements in Electron-Positron Collisions at W-Boson-Pair Energies at LEP
By ALEPH and DELPHI and L3 and OPAL and LEP Electroweak Collaborations (S. Schael et al.).
arXiv:1302.3415 [hep-ex].
[10.1016/j.physrep.2013.07.004](https://doi.org/10.1016/j.physrep.2013.07.004).
Phys.Rept. 532 (2013) 119-244.

8) Search for Charged Higgs bosons: Combined Results Using LEP Data
By ALEPH and DELPHI and L3 and OPAL and LEP Collaborations (G. Abbiendi et al.).
arXiv:1301.6065 [hep-ex].
[10.1140/epjc/s10052-013-2463-1](https://doi.org/10.1140/epjc/s10052-013-2463-1).
Eur.Phys.J. C73 (2013) 2463.

9) Active Radiation Shield for Space Exploration Missions (ARSSEM)
By R. Battiston, W.J. Burger, V. Calvelli, R. Musenich, V. Choutko, V.I. Datskov, A. Della Torre, F. Venditti et al..
arXiv:1209.1907 [physics.space-ph].

10) The Anti Matter Spectrometer (AMS-02): A particle physics detector in space
By AMS Collaboration (R. Battiston for the collaboration).
[10.1142/9789814307529_0118](https://doi.org/10.1142/9789814307529_0118).
In *Como 2009, Astroparticle, particle and space physics, detectors and medical physics applications* 741-750.

11) Generalized event shape and energy flow studies in e^+e^- annihilation at $s^{1/2} = 91.2$ - 208.0 -GeV
By P. Achard, O. Adriani, M. Aguilar-Benitez, J. Alcaraz, G. Alemanni, J. Allaby, A. Aloisio, M.G. Alvigi et al..
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JHEP 1110 (2011) 143.

12) Upgrade of the Alpha Magnetic Spectrometer (AMS-02) for long term operation on the International Space Station (ISS)
By K. Lubelsmeyer, A. Schultz von Dratzig, M. Wlochal, G. Ambrosi, P. Azzarello, R. Battiston, R. Becker, U. Becker et al..
[10.1016/j.nima.2011.06.051](https://doi.org/10.1016/j.nima.2011.06.051).
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13) Isotopic Composition of Light Nuclei in Cosmic Rays: Results from AMS-01
By AMS-01 Collaboration (M. Aguilar et al.).
arXiv:1106.2269 [astro-ph.HE].
[10.1088/0004-637X/736/2/105](https://doi.org/10.1088/0004-637X/736/2/105).
Astrophys.J. 736 (2011) 105.

14) Test of the τ -Model of Bose-Einstein Correlations and Reconstruction of the Source Function in Hadronic Z-boson Decay at LEP
By L3 Collaboration (P. Achard et al.).
arXiv:1105.4788 [hep-ex].
[10.1140/epjc/s10052-011-1648-8](https://doi.org/10.1140/epjc/s10052-011-1648-8).
Eur.Phys.J. C71 (2011) 1648.

15) The MU-RAY project: Volcano radiography with cosmic-ray muons
By G. Ambrosi, F. Ambrosino, R. Battiston, A. Bross, S. Callier, F. Cassese, G. Castellini, R. Ciaranfi et al..
[10.1016/j.nima.2010.06.299](https://doi.org/10.1016/j.nima.2010.06.299).

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16) Relative Composition and Energy Spectra of Light Nuclei in Cosmic Rays. Results from AMS-01

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17) The construction and space qualification of the control electronics for the tracker detector cooling system of the AMS-02 experiment

By M. Menichelli, L. Accardo, G. Alberti, M. Bardet, R. Battiston, S. Blasko, Z. He, V. Koutsenko et al..

[10.1016/j.nima.2009.07.005](https://doi.org/10.1016/j.nima.2009.07.005).

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18) A moon-borne electromagnetic calorimeter

By Roberto Battiston, Maria Teresa Brunetti, Franco Cervelli, Cristiano Fidani, Mauro Menichelli.

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19) The internal alignment and position resolution of the AMS-02 silicon tracker determined with cosmic-ray muons

By B. Alpat, G. Ambrosi, Ph. Azzarello, R. Battiston, B. Bertucci, M. Bourquin, W.J. Burger, F. Cadoux et al..

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20) European facilities for accelerator neutrino physics: perspectives for the decade to come

By R. Battiston, M. Mezzetto, P. Migliozzi, F. Terranova.

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21) Study of hadronic event shape in flavour tagged events in $e^+ e^-$ annihilation at $\sqrt{s} = 197$ -GeV

By L3 Collaboration (P. Achard et al.).

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22) Silicon photomultiplier arrays - a novel photon detector for a high resolution tracker produced at FBK-irst, Italy

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23) A Scintillating Fiber Tracker With SiPM Readout

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24) The alpha magnetic spectrometer silicon tracker: Performance results with protons and helium nuclei

By J. Alcaraz, B. Alpat, G. Ambrosi, Ph. Azzarello, R. Battiston, B. Bertucci, J. Bolmont, M.

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25) The anti matter spectrometer (AMS-02): A particle physics detector in space

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26) Deflection of 400 GeV/c proton beam with bent silicon crystals at the CERN Super Proton Synchrotron

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27) Apparatus to study crystal channeling and volume reflection phenomena at the SPS H8 beamline

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28) Study of the solar anisotropy for cosmic ray primaries of about 200- GeV energy with the L3 + C muon detector

By L3 Collaboration (P. Achard et al.).

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By AMS-02 Collaboration (Roberto Battiston for the collaboration).

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31) Photon detection for high energy, medical and space applications. Proceedings, 1st Workshop, Perugia, Italy, June 13-14, 2007

By Giovanni Ambrosi, Leonello Servoli, Roberto Battiston, Ubaldo Bottigli.

32) Results and applications of SiPM photodetectors from FBK-irst by the DASIPM Collaboration

By A. Del Guerra, G. Collazuol, G. Llosa, S. Marcatili, C. Piemonte, G.F. Dalla Betta, G. Ambrosi, R. Battiston et al..

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33) Development of Silicon PhotoMultipliers at FBK-irst

By C. Piemonte, R. Battiston, M. Boscardin, G.F. Dalla Betta, A. Del Guerra, G. Llosa, M. Melchiorri, A. Pozza et al..

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35) Development of the first prototypes of Silicon PhotoMultiplier (SiPM) at ITC-irst
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36) Development of the power supply system for the AMS-02 tracker detector
By L. Accardo, G. Ambrosi, P. Azzarello, R. Battiston, M. Bizzarri, S. Blasko, D. Cosson, E.M.
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37) Construction and qualification of the power supply system of the AMS-02 Tracker detector
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39) Particle and fundamental physics in space. Proceedings, 3rd International Conference,
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40) High-efficiency volume reflection of an ultrarelativistic proton beam with a bent silicon
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- 46) A search for flaring very-high-energy cosmic gamma-ray sources with the L3+C muon spectrometer
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- 47) The Solar flare of the 14th of July 2000 (L3+C detector results)
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- 49) Analysis of the $\pi^+ \pi^- \pi^+ \pi^-$ and $\pi^+ \pi^0 \pi^- \pi^0$ final states in quasi-real two-photon collisions at LEP
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- 50) Absorbed dose rate estimation for protons, leptons and helium observed with AMS01 experiment in low earth orbit during STS-91 mission
By M. Ionica, B. Alpat, G. Ambrosi, R. Battiston, B. Bertucci, W.J. Burger, D. Caraffini, C. Cecchi et al..
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- 51) Measurement of hadron and lepton-pair production in $e^+ e^-$ collisions at $s^{1/2} = 192$ - 208 -GeV at LEP
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