Elenco pubblicazioni  (Su riviste internazionali con referaggio)

[L’Impact Factor Ì” relativo all’anno della pubblicazione]

1. **Gamma ray activity of neodymium samples**  
   C.Arpesella, E.Bellotti, L.Miramonti, P.P.Sverzellati  
   [IF = 1.038]

2. **Status of the EDELWEISS experiment**  
   Edelweiss Coll.  
   [IF = 5.631]

3. **Status of the EDELWEISS experiment**  
   Edelweiss Coll.  
   [IF = 0.964]

4. **320g ionization-heat bolometers design for the EDELWEISS experiment**  
   X.F.Navick, M.Chapellier, F.D’A®liot, S.Herv®©, L.Miramonti  
   [IF = 0.964]

5. **Physical Interpretation on the Neganov-Luke and related Effects**  
   M.Chapellier, G.Chardin, L.Miramonti, X.F.Navick  
   [IF = 0.893]

6. **High sensitivity quest for Majorana neutrino mass with the BOREXINO Counting Test Facility**  
   G.Bellini, B.Caccianiqa, M.Chen, F.A.Danveich, M.G.Giammarchi, V.V.Kobychev,  
   B.N.Kropivyansky, E.Meroni, L.Miramonti, A.S.Nikolayko, L.Oberauer, O.A.Ponkratenko,  
   S.Yu.Zdesenko, Yu.G.Zdesenko  
   [IF = 4.213]

7. **Event categories in the EDELWEISS WIMP search experiment**  
   Edelweiss Coll.  
   [IF = 4.213]
8. Background discrimination capabilities of a heat and ionization germanium cryogenic detector
   *Edelweiss Coll.*
   [IF = 4.110]

9. A low energy threshold scintillation detector for X and low gamma rays at the FrÅ©jus underground laboratory
   *L.Miramonti*
   [IF = 0.635]

10. **High sensitivity 2β decay study of** $^{116}$Cd and $^{100}$Mo **with the BOREXINO Counting Test Facility** (CAMEO project)
    [IF = 5.194]

11. **First results of the EDELWEISS WIMP search using 320g heat-and-ionization Ge detector**
    *Edelweiss Coll.*
    [IF = 4.377]

12. **The CAMEO Project: high sensitivity quest for majorana neutrino mass with the Borexino Counting Test Facility**
    Particles and Nuclei, Letters. 2001 No 3 [106].
    [IF = 1.100]

13. **Measurements of extremely low radioactive levels in Borexino**
    *Borexino Coll.*
    [IF = 4.270]

14. **Search for electron decay mode** $e \rightarrow \gamma \gamma$ **with prototype of Borexino detector**
    *Borexino Coll.*
    [IF = 4.298]

15. **A plastic scintillator detector for beta particles**
    *L.Miramonti*
    [IF = 0.974]
16. **Solar neutrino physics: present status and perspectives**  
*L. Miramonti, F. Reseghetti*  
*[IF = 1.565]*

17. **Study of nuclear recoil response of NaI(Tl) scintillator detector with a $^{252}$Cf neutron source**  
*L. Miramonti*  
Radiation Physics and Chemistry Vol. 64/5-6 pp. 337-342 (2002).  
*[IF = 0.738]*

18. **A very low background HPGe detector operating deep underground at 4800 meter water equivalent**  
*L. Miramonti*  
*[IF = 0.768]*

19. **The calibration and the monitoring of the Borexino detector**  
*L. Miramonti*  
Progress in Particle and Nuclear Physics 48/1 pp. 27 (2002).  
*[IF = 2.298]*

20. **Study of neutrino electromagnetic properties with prototype of Borexino detector**  
*Borexino Coll.*  
*[IF = 4.066]*

21. **New limits on nucleon decays into invisible channel with the Borexino Counting Test Facility**  
*Borexino Coll.*  
*[IF = 4.066]*

22. **A multiplex optical-fiber system for the PMT calibration of the Borexino experiment**  
*[IF = 1.166]*

23. **New experimental limits on heavy neutrino mixing in $^8$B decay obtained with the Borexino Counting Test Facility**  
*Borexino Coll.*  
JEPT Letters Pis’ma v ZhETF, vol 78, iss. 5 pp. 261-266 (2003).  
*[IF = 1.326]*

24. **New experimental limits on violations of the Pauli exclusion principle obtained with the Borexino Counting Test Facility**  
*Borexino Coll.*  
25. **Recent advances in neutrinoless double beta decay search**  
*L.Miramonti, F.Reseghetti*  
*[IF = 0.292]*

26. **Neutrinoless double beta decay: current status and perspectives and the Cameo project**  
*L.Miramonti*  
*[IF = 0.864]*

27. **Search for electron antineutrino interaction with the Borexino Counting Test Facility at Gran Sasso**  
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*[IF = 3.251]*

28. **Simultaneous measurement of gamma rays and radon emission (SIMGRAE) for solid samples radioactivity assessment**  
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29. **CNO and pep neutrino spectroscopy in Borexino: Measurement of the deep underground production of cosmogenic $^{11}$C in organic liquid scintillator**  
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*[IF = 3.327]*

30. **Pulse-Shape discrimination with the Counting Test Facility**  
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32. **Search for solar axions emitted in the M1-transition of $^{7}$Li* with Borexino CTF**  
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*[IF = 2.805]*

33. **Study of phenylxylylethane (PXE) as scintillator for low energy neutrino experiments**  
*Borexino Coll.*
[IF = 1.019]

34. \(^{7}\text{Be}\) neutron production cross section on \(^{12}\text{C}\) targets
M.G. Giammarchi, M. Laubenstein, J.P. Meulders, L. Miramonti, A. Formicola
[IF = 1.267]

35. Direct Measurement of the \(^{7}\text{Be}\) Solar Neutrino Flux with 192 Days of Borexino Data
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36. The Borexino detector at the Laboratori Nazionali del Gran Sasso
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[IF = 1.317]

37. Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory
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38. Limit on the diffuse flux of ultra-high energy tau neutrinos with the surface detector of the Pierre Auger Observatory
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39. Atmospheric effects on extensive air showers observed with the Surface Detector of the Pierre Auger Observatory
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40. The liquid handling systems for the Borexino solar neutrino detector
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41. Nuclear physics for geo-neutrino studies
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   [IF = 4.964]  

50. Update on the correlation of the highest energy cosmic rays with nearby extragalactic  
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   [IF = 3.808]
51. The exposure of the hybrid detector of the Pierre Auger Observatory  
   Auger Coll.  
   Astroparticle Physics 34 (2011) 368-381.  
   [IF = 3.216]

52. Study of solar and other unknown anti-neutrino fluxes with Borexino at LNGS  
   Borexino Coll.  
   [IF = 3.955]

53. The Pierre Auger Observatory Scaler Mode for the Study of Solar Activity Modulation of Galactic Cosmic Rays  
   Auger Coll.  
   Journal of Instrumentation (JINST) 6 (2011) P01003.  
   [IF = 3.140]

54. Search for First Harmonic Modulation in the Right Ascension Distribution of Cosmic Rays Detected at the Pierre Auger Observatory  
   Auger Coll.  
   [IF = 3.216]

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   [IF = 1.207]

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   [IF = 3.140]
59. **Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory**  
*Auger Coll.*  
Journal of Cosmology and Astroparticle Physics (JCAP) 6 (2011) 22.  
*IF = 5.723*

60. **Precision measurement of the $^7{\text{Be}}$ solar neutrino interaction rate in Borexino**  
*Borexino Coll.*  
*IF = 7.370*

61. **The Lateral Trigger Probability function for UHE Cosmic Rays Showers detected by the Pierre Auger Observatory**  
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   [IF = 4.777]

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71. Search for Solar Axions Produced in p(d,3 He) A Reaction with Borexino Detector
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72. Cosmic-muon flux and annual modulation in Borexino at 3800 m water-equivalent
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   [IF = 6.036]

73. Search for point-like sources of ultra-high energy neutrinos at the Pierre Auger
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   [IF = 6.345]

74. Measurement of CNGS muon neutrinos speed with Borexino
   Borexino Coll.
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75. The Rapid Atmospheric Monitoring System of the Pierre Auger Observatory
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76. Antennas for the detection of radio emission pulses from cosmic-ray induced air
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78. **A Search for Point Sources of EeV Neutrons**  
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83. **Solar neutrinos**  
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84. **Ultrahigh Energy Neutrinos at the Pierre Auger Observatory**  
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*IF = 2.624*
85. **Advancements in solar neutrinos physics**
   
   *Lino Miramonti, Vito Antonelli*
   
   
   [IF = 0.625]

86. **Measurement of geo–neutrinos from 1353 days of Borexino**
   
   *Borexino Coll.*
   
   
   [IF = 6.019]

87. **SOX: Short distance neutrino oscillations with Borexino**
   
   *Borexino Coll.*
   
   
   [IF = 5.375]

88. **Lifetime measurements of $^{214}$Po and $^{212}$Po in the CTF liquid scintillator detector at LNGS**
   
   *Borexino Coll.*
   
   
   [IF = 2.421]

89. **Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth**
   
   *Borexino Coll.*
   
   Journal of Cosmology and Astroparticle Physics (JCAP) 8 (2013) 49.
   
   [IF = 5.877]

90. **Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory**
   
   *Auger Coll.*
   
   
   [IF = 5.877]

91. **Techniques for Measuring Aerosols using the Central Laser Facility at the Pierre Auger Observatory**
   
   *Auger Coll.*
   
   Journal of Instrumentation (JINST) 8 (2013) P04009.
   
   [IF = 1.526]

92. **New limits on heavy sterile neutrino mixing in $^8$B-decay obtained with the Borexino detector**
   
   *Borexino Coll.*
   
   
   [IF = 4.864]

93. **Identifying Clouds over the Pierre Auger Observatory using IR Satellite Data**
   
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94. Probing the radio emission from cosmic-ray-induced air showers by polarization measurements
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95. Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy
   Borexino Coll.

96. Origin of atmospheric aerosols at the Pierre Auger Observatory using studies of air mass trajectories in South America
   Auger Coll.
   Atmospheric Research 149 (2014) 120-135

97. A search for point sources of EeV photons
   Auger Coll.

98. A Targeted Search for Point Sources of EeV Neutrons
   Auger Coll.

99. Reconstruction of inclined air showers detected with the Pierre Auger Observatory
   Auger Coll.
   Journal of Cosmology and Astroparticle Physics (JCAP) 8 (2014) 19.

100. Neutrinos from the primary proton?proton fusion process in the Sun
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101. Muons in air showers at the Pierre Auger Observatory: measurement of atmospheric production depth
    Auger Coll.

102. Searches for Large-Scale Anisotropy in the Arrival Directions of Cosmic Rays above $10^{19}$ eV at the Pierre Auger Observatory and the Telescope Array
    Auger Coll. and Telescope Array Coll.

103. Depth of Maximum of Air-Shower Profiles at the Auger Observatory: Measurements at Energies above $10^{17.8}$ eV
    Auger Coll.

104. Depths of Maximum of Air-Shower Profiles at the Pierre Auger Observatory: Composition Implications
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105. Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events
   *Auger Coll.*

106. Spectroscopy of geoneutrinos from 2056 days of Borexino data
   *Borexino Coll.*

107. Test of Electric Charge Conservation with Borexino
   *Borexino Coll.*

108. The Pierre Auger Cosmic Ray Observatory
   *Auger Coll.*

109. Search for patterns by combining cosmic ray energy and arrival directions at the Pierre Auger Observatory
   *Auger Coll.*

110. An improved limit to the diffuse flux of ultra-high energy neutrinos from the Pierre Auger Observatory
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111. Measurement of the cosmic ray spectrum above $4 \cdot 10^{18}$ eV using inclined events detected with the Pierre Auger Observatory
    *Auger Coll.*

112. Searches for Anisotropies in the Arrival Directions of the Highest Energy Cosmic Rays Detected by the Pierre Auger Observatory
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113. Large scale distribution of ultra high energy cosmic rays detected at the Pierre Auger Observatory with zenith angles up to 80 degrees
    *Auger Coll.*

114. Azimuthal asymmetry in the risetime of the Surface Detector signals of the Pierre Auger Observatory
    *Auger Coll.*
115. Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory  
*Auger Coll.*  

116. Nanosecond-level time synchronization of autonomous radio detector stations using a reference beacon and commercial airplanes  
*Auger Coll.*  

117. Search for correlations between the arrival directions of IceCube neutrino events and ultrahigh-energy cosmic rays detected by the Pierre Auger Observatory and the Telescope Array  
*Auger Coll., Telescope Array Coll., IceCube Coll.*  
Journal of Cosmology and Astroparticle Physics (JCAP) 1 (2016) 037.

*Auger Coll.*  

119. Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory  
*Auger Coll.*  

120. Neutrino Physics with JUNO  
*JUNO Coll.*  

121. Testing hadronic interactions at ultrahigh energies with air showers measured by the Pierre Auger Observatory  
*Auger Coll.*  

122. Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory  
*Auger Coll.*  

123. Evidence for a mixed mass composition at the "ankle" in the cosmic-ray spectrum  
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124. Measurement of the Muon Production Depths at the Pierre Auger Observatory  
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125. Ultrahigh energy neutrino follow-up of Gravitational Wave events GW150914 and GW151226 with the Pierre Auger Observatory
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126. Search for photons above $10^{18} \text{ eV}$ with the hybrid detector of the Pierre Auger Observatory
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127. Impact of atmospheric effects on the energy reconstruction of air showers observed by the surface detectors of the Pierre Auger Observatory
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128. Muon Counting using Silicon Photomultipliers in the AMIGA detector of the Pierre Auger Observatory
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129. A targeted search for point sources of EeV photons with the Pierre Auger Observatory
   Auger Coll.

130. Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory
   Auger Coll.

131. Low background techniques in liquid scintillators detectors
   L. Miramonti

132. Multi-resolution anisotropy studies of ultra-high energy cosmic rays detected at the Pierre Auger Observatory
   Auger Coll.
   Journal of Cosmology and Astroparticle Physics (JCAP) 6 (2017) 026.

133. Spectral calibration of the fluorescence telescopes of the Pierre Auger Observatory
   Auger Coll.
   Astroparticle Physics 95 (2017) 44-56.

134. Seasonal modulation of the $^7\text{Be}$ solar neutrino rate in Borexino
   Borexino Coll.
135. Observation of a Large-scale Anisotropy in the Arrival Directions of Cosmic Rays above $8 \times 10^{18}$ eV
Auger Coll.
DOI: 10.1126/science.aan4338

136. Inferences on Mass Composition and Tests of Hadronic Interactions from 0.3 to 100 EeV using the water-Cherenkov Detectors of the Pierre Auger Observatory
Auger Coll.

137. A search for low-energy neutrinos correlated with gravitational wave events GW150914, GW151226 and GW170104 with the Borexino detector
Borexino Coll.

138. Search for High-energy Neutrinos from Binary Neutron Star Merger GW170817 with ANTARES, IceCube, and the Pierre Auger Observatory
ANTARES, ICECUBE, Auger, LIGO, VIRGO Coll.
https://doi.org/10.3847/2041-8213/aa9aed

139. Multi-messenger Observations of a Binary Neutron Star Merger
Auger + n Coll.
https://doi.org/10.3847/2041-8213/aa91c9

140. Calibration of the Logarithmic-Periodic Dipole Antenna (LPDA) Radio Stations at the Pierre Auger Observatory using an Octocopter
Auger Coll.

141. Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data
Borexino Coll.

142. Borexino: geo-neutrino measurement at Gran Sasso, Italy
Borexino Coll.
ANNALS OF GEOPHYSICS, 60, 1, (2017).
https://doi.org/10.4401/ag-7389

143. An Indication of Anisotropy in Arrival Directions of Ultra-high-energy Cosmic Rays through Comparison to the Flux Pattern of Extragalactic Gamma-Ray Sources
Auger Coll.

144. Fabrication of unquenched, liquid scintillator-based, high-activity $^{222}$Rn calibration sources for the Borexino detector
145. The Monte Carlo simulation of the Borexino detector
   Borexino Coll.

146. Charge reconstruction in large-area photomultipliers
   JUNO Italia short author list
   Journal of Instrumentation (JINST) 13, February 2018.
   https://doi.org/10.1088/1748-0221/13/02/P02008

147. Lorentz Invariance Violation effects on UHECR propagation: A geometrized approach
   Marco Danilo Claudio Torri, Stefano Bertini, Marco Giammarchi, Lino Miramonti
   Journal of High Energy Astrophysics Volume 18, June 2018, Pages 5-14
   https://doi.org/10.1016/j.jheap.2018.01.001

148. Neutrino oscillations and Lorentz Invariance Violation in a Finslerian Geometrical model
   Vito Antonelli, Lino Miramonti, Marco Danilo Claudio Torri
   European Physical Journal C (2018) 78:667
   https://doi.org/10.1140/epjc/s10052-018-6124-2

149. Comprehensive measurement of pp-chain solar neutrinos
   Borexino Coll.

150. Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory
   Auger Coll.
   https://doi.org/10.1088/1475-7516/2018/10/026

151. Large-scale cosmic-ray anisotropies above 4 EeV measured by the Pierre Auger Observatory
   Auger Coll.

152. GIGJ: a crustal gravity model of the Guangdong Province for predicting the geoneutrino signal at the JUNO experiment
   JUNO Italia short author list
   https://doi.org/10.1029/2018JB016681
153. Distillation and stripping pilot plants for the JUNO neutrino detector: design, operations and reliability
   *JUNO Italia short author list*
   https://doi.org/10.1016/j.nima.2019.01.071

154. Measurement of the average shape of longitudinal profiles of cosmic ray air-showers at the Pierre Auger Observatory
   *Auger Coll.*
   https://doi.org/10.1088/1475-7516/2019/03/018

155. Modulations of the Cosmic Muon Signal in Ten Years of Borexino Data
   *Borexino Coll.*
   https://doi.org/10.1088/1475-7516/2019/02/046

156. Data-driven estimation of the invisible energy of cosmic ray showers with the Pierre Auger Observatory
   *Auger Coll.*
   https://doi.org/10.1103/PhysRevD.100.082003

157. Multi-Messenger Physics with the Pierre Auger Observatory
   *Auger Coll.*
   https://doi.org/10.3389/fspas.2019.00024

158. Homogeneously Modified Special relativity (HMSR)
   *Marco Danilo Claudio Torri, Vito Antonelli, Lino Miramonti*
   European Physical Journal C (2019) 79:808
   https://doi.org/10.1140/epjc/s10052-019-7301-7

159. Probing the origin of ultra-high energy cosmic rays with neutrinos in the EeV energy range using the Pierre Auger Observatory
   *Auger Coll.*
   https://doi.org/10.1088/1475-7516/2019/10/022

160. Simultaneous precision spectroscopy of pp, $^7$Be, and $pep$ solar neutrinos with Borexino Phase-II
   *Borexino Coll.*
   https://doi.org/10.1103/PhysRevD.100.082004

161. A 3-Year Sample of Almost 1,600 Elves Recorded Above South America by the Pierre Auger Cosmic-Ray Observatory
   *Auger Coll.*
162. Limits on point-like sources of ultra-high-energy neutrinos with the Pierre Auger Observatory
Auger Coll.
https://doi.org/10.1088/1475-7516/2019/11/004

163. Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU
Juno Coll. and IceCube-Gen2 Coll.
https://doi.org/10.1103/PhysRevD.101.032006

164. The QUPLAS experimental apparatus for antimatter interferometry
Quplas Coll.
https://doi.org/10.1016/j.nima.2019.163019

165. Comprehensive geoneutrino analysis with Borexino
Borexino Coll.
https://doi.org/10.1103/PhysRevD.101.012009

166. Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II
Borexino Coll.
https://doi.org/10.1007/JHEP02(2020)038

167. Improved measurement of $^8B$ solar neutrinos with 1.5 kt·y of Borexino exposure
Borexino Coll.
https://doi.org/10.1103/PhysRevD.101.062001

168. Present and Future Contributions of Reactor Experiments to Mass Ordering and Neutrino Oscillation Studies
Vito Antonelli, Lino Miramonti and Gioacchino Ranucci
Universe 2020, 6, 52.
https://doi.org/10.3390/universe6040052

169. Cosmic ray anisotropies in right ascension measured by the Pierre Auger Observatory
Auger Coll.
https://doi.org/10.3847/1538-4357/ab7236
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170. Borexino’s search for low-energy neutrinos from astrophysical sources  
   Borexino Coll.  
   to be summited to Astroparticle Physics

171. Search for low-energy neutrinos from astrophysical sources with Borexino  
   Borexino Coll.  
   Astroparticle Physics 125 (2021) 102509.  
   https://doi.org/10.1016/j.astropartphys.2020.102509

172. $^{222}$Rn contamination mechanisms on acrylic surfaces  
   JUNO Italia short author list  
   Summited to Eur. Phys. J. C

173. Measurement of the cosmic ray energy spectrum above $2.5 \times 10^{18}$ eV using the Pierre Auger Observatory  
   Auger Coll.  
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174. Features of the energy spectrum of cosmic rays above $2.5 \times 10^{18}$ eV using the Pierre Auger Observatory  
   Auger Coll.  
   DA METTERE IN AIR!?  

175. Reconstruction of Events Recorded by the Surface Detector of the Pierre Auger Observatory  
   Auger Coll.  
   Accepted in JINST

176. A search for Ultra-High Energy neutrinos from TXS 0506+056 using the Pierre Auger Observatory  
   Auger Coll.  
   https://doi.org/10.3847/1538-4357/abb476  
   DA METTERE IN AIR

177. Search for magnetically-induced signatures in the arrival directions of ultra-high-energy cosmic rays measured at the Pierre Auger Observatory  
   Auger Coll.  
   Journal of Cosmology and Astroparticle Physics (JCAP) 06 (2020) 17.  
   https://doi.org/10.1088/1475-7516/2020/06/017  
   DA METTERE IN AIR!?  

178. Studies on the response of a water-Cherenkov detector of the Pierre Auger Observatory to atmospheric muons using an RPC hodoscope  
   Auger Coll.  
   Journal of Instrumentation (JINST) 15 (2020) P09002  
   https://doi.org/10.1088/1748-0221/15/09/P09002
179. **Phenomenological Effects of CPT and Lorentz Invariance Violation in Particle and Astroparticle Physics**
   Vito Antonelli, Lino Miramonti, Marco Danilo Claudio Torri
   *Symmetry* 2020, 12(11), 1821
   https://doi.org/10.3390/sym12111821

180. **TAO Conceptual Design Report**
   *JUNO Coll.*

181. **Sensitivity to neutrinos from the solar CNO cycle in Borexino**
   *Borexino Coll.*
   https://doi.org/10.1140/epjc/s10052-020-08534-2

182. **Feasibility and physics potentials of detecting $^8$B solar neutrinos at JUNO**
   *JUNO Coll.*
   Chinese Physics C Vol. 45, No. 2 (2021)

183. **Experimental evidence of neutrinos produced in the CNO fusion cycle in the Sun**
   *Borexino Coll.*
   NATURE vol. 587 577-582 (2020).
   https://doi.org/10.1038/s41586-020-2934-0

184. **Optimization of the JUNO liquid scintillator composition using a Daya Bay antineutrino detector**
   *JUNO Coll.*

185. **Embedded Readout Electronics R&D for the Large PMTs in the JUNO Experiment**
   *JUNO Italia short author list*
   Nuclear Inst. and Methods in Physics Research, A 985 (2021) 164600
   https://doi.org/10.1016/j.nima.2020.164600

186. **Extraction of the Muon Signals Recorded by the Surface Detector of the Pierre Auger Observatory Using Recurrent Neural Networks**
   *Auger Coll.*
   Submitted to JINST

187. **Predictions of Ultra-High Energy Cosmic Ray anisotropies in the context of Homogeneously Modified Special Relativity**
   Marco Danilo Claudio Torri, Lorenzo Caccianiga, Armando di Matteo, Andrea Maino, Lino Miramonti
   *Symmetry* 2020, 12(12), 1961
188. **FPGA Implementation of a NCO based CDR for the JUNO Front-End Electronics**  
*JUNO Italia short author list*  
To be submitted

189. **Calibration of the underground muon detector of the Pierre Auger Observatory**  
*Auger Coll.*  
Accepted for publication in JINST
Lavori a stampa (Note interne, Reports, Dispense, Articoli Divulgativi ecc.)

1. **Misure di basse attività gamma con applicazione al decadimento beta doppio su livelli eccitati del nucleo figlio.**

2. **Recherche des WIMP’s du halo galactique dans l’expérience EDELWEISS: Étude du bas bruit radioactive et mesures à l’aide de bolomètres à double détection ionisation/chaleur**
   Université D’Orsay - Paris XI. DAPNIA/SPP 99/1006.

3. **Misure in campo di radioattività ambientale nella regione del Gran Sasso d’Italia**
   Published as internal note N.162 at Consorzio di Ricerca del Gran Sasso dell’ INFN I-67010 Assergi Italia.

4. **Le spectromètre germanium EDELWEISS**
   Published in BIU n. 62 - may 1998 at Laboratoire Souterrain de Modane IN2P3/DAPNIA, 90 rue Polset F-73500 Modane France.

5. **Développement d’un banc de test ($\beta$,X,\(\gamma\)) à bas seuil d’énergie dans le cadre de l’expérience EDELWEISS**
   Published in BIU n. 63 - june 1998 at Laboratoire Souterrain de Modane IN2P3/DAPNIA, 90 rue Polset F-73500 Modane France.

6. **Banc de test pour la détection des rayons beta: BPS (Beta Plastic Scintillator)**
   Published in BIU n. 80 - décembre 1999 at Laboratoire Souterrain de Modane IN2P3/DAPNIA, 90 rue Polset F-73500 Modane France.

7. **Estimation of gamma radioactivity induced by the neutron source in the Edelweiss experiment**

8. **Determination of radiocontaminants in Neutron Transmutation Doped (NTD) thermometers production obtained by irradiation with thermal neutrons**

9. **Observation and study of light production inside photomultipliers at low energy**

10. **Test on PC+PPO 1.5 g/l scintillator excited by a 266 nm and 355 nm laser beam.**

11. **Borexino. Solar Neutrino Physics**
    LNGS Annual Report 2000 - INFN.
12. Radioattivitā' ed Interazione della radiazione con la materia

13. Edelweiss: Expérience pour la détection des WIMPs en site souterrain

   LNGS Annual Report 2001 - INFN.

15. Study of the radon removal efficiency employing xenon gas as tracer in ICP-Mass Spectroscopy

16. Neutrino. La particella fantasma

17. Introduzione alla teoria della misura

18. Search of the 478 keV gamma peak in CTF from the deexcitation of $^7$Be induced by cosmic neutrons on carbon during the pseudocumene transportation

19. BOREXINO: un rivelatore unico per lo studio dell’oscillazione dei neutrini di bassissima energia

20. Analisi degli errori sperimentali di laboratorio

21. The northern site of the Pierre Auger Observatory

22. Milano-Torino Infill reconstruction and preliminary Spectrum
   Published as Auger Technical and Scientific Notes - GAP2011,100 - (2011).

23. Counting performances of the AMIGA Muon detectors
   Published as Auger Technical and Scientific Notes - GAP2012,032 - (2012).

24. Nature and origin of very high-energy cosmic rays
   Europhysics News 43 3 (2012) 24-27

25. MuScint - An underground Muon Detector for the Beyond 2015 Auger Upgrade
   Published as Auger Technical and Scientific Notes - GAP2013,050 - (2013).
26. Light Sterile Neutrinos: A White Paper  

27. L’osservatorio Pierre Auger: una nuova finestra sul vicino Universo  
Notiziario trimestrale Sistema Universitá UNIMI Anno X. n 41 Settembre - (2013).

Proceeding of the 33RD INTERNATIONAL COSMIC RAY CONFERENCE, RIO DE JANEIRO 2013 THE ASTROPARTICLE PHYSICS CONFERENCE).

29. Il sole studiato in tempo reale col rivelatore di neutrini borexino  
Scienze e Ricerche n. 5, marzo 2015, pp. 97-100 - ISSN 2883-5873  

30. JUNO Conceptual Design Report  
JUNO Coll.  
arXiv:1508.07166

31. The Pierre Auger Observatory Upgrade ”AugerPrime”  
Auger Coll.  
arXiv:1604.03637

32. Catching Elves with the Pierre Auger Observatory  
Auger Coll.  
https://doi.org/10.1029/2020EO145248  
DA METTERE IN AIR!?
Proceedings e presentazioni (a conferenze e scuole)

1. Search for inclusive double beta decay of $^{150}$Nd to excited states of $^{150}$Sm at Laboratori Nazionali del Gran Sasso
   Proceedings of the 4th International Workshop on Theoretical and Phenomenological Aspect of Underground Physics (TAUP 95), Toledo, Spain, 17-21 September 1995.

2. Status report of the EDELWEISS Experiment
   VIIe RENCONTRES DE BLOIS - NEUTRINOS, DARK MATTER AND THE UNIVERSE - Château de Blois 41000, Blois, France June 8-12, 1996.

3. EDELWEISS: Un bolomètre a double détection ionisation/chauffe pour la recherche des WIMP’s du halo galactique
   3ème Ecole d’Automne Aussois - 24 - 29 November 1996 Aussois, France.
   Published in the CNRS/CEA yellow report, Gif-sur-Yvette France.

4. Dark matter search using a 70g Germanium bolometer in the Fr jus Underground Laboratory
   Published by the Max Planck Institute of Physics, Führinger Ring 6 D-80805 Munich, Germany. ISBN 3-00-002266-X.

5. The Neganov-Luke effect in a 70g double detection Germanium bolometer
   Published by the Max Planck Institute of Physics, Führinger Ring 6 D-80805 Munich, Germany. ISBN 3-00-002266-X.

6. Low radioactivity background in bolometer detectors for Dark Matters search
   Proceedings of the 5th Neuchatel workshop on experimental problems in low count rate, low energy particle physics. Neuchatel, Switzerland (June 1997)
   http://neiphsg2.unine.ch/workshop.html

7. MonteCarlo background radioactivity simulation in a 70g double detection germanium bolometer
   Journées Scientifiques du D@partement d’Astrophysique, de Physique des Particules, de Physique Nucl@aire et de l’Instrumentation Associée. Keravel, France (March 1998)
   Published in the CNRS/CEA yellow report, Gif-sur-Yvette France.

8. Status of the EDELWEISS experiment
9. **70g heat-ionisation bolometer for Dark Matter at Laboratoire Souterrain de Modane**

   Proceeding of the GDR-Supersym\'trie General Meeting. April 1998 Montpellier, France.
   [http://www.lpml.univ-montp2.fr/gdr](http://www.lpml.univ-montp2.fr/gdr)

10. **Dark matter search using an ionization/heat bolometer in the Fr\'jus Underground Laboratory**

    Proceeding of Theoretical and observational cosmology - NATO advanced study institute (17 - 29 August 1998) Carg\`se, France.
    Published by the Institut d'\'tudes scientifiques de Carg\`se - NATO advanced study institute

11. **Status of the EDELWEISS experiment**

    Proceedings of the 6\textsuperscript{th} International Workshop on Theoretical and Phenomenological Aspect of Underground Physics (TAUP 99), Coll\`ege de France - Paris, France, 6-10 September 1999.

12. **Dark matter search in the EDELWEISS experiment**

    Proceeding at the 3\textsuperscript{rd} International workshop on the Identification of Dark Matter (IDM2000).
    Published in World Scientific. Astro-ph/0101204.

13. **Preliminary results of the Edelweiss experiment**


14. **The Edelweiss experiment at Fr\'jus underground laboratory**

    Journ\'e\`es scientifiques du DAPNIA, 30 March 1 April 1998, Karavel France.
    Compte-Rendues des Journ\'e\`es scientifiques du DAPNIA.

15. **Status of the Edelweiss experiment**

    Proceeding at the 4\textsuperscript{th} International Symposium sponsored by UCLA on Sources and Detection of Dark Matter in the Universe. 23-25 February 2000, Marina del Rey, CA USA.
    Published in CERN libraries LYCEN 2000/45 May 2000.

16. **The Edelweiss experiment: Status and Outlook**


17. **Borexino**


18. **Interpretation of anomalous NaI events**

    Published as Proceeding at the 4\textsuperscript{th} International Symposium sponsored by UCLA on Sources and Detection of Dark Matter in the Universe. 23-25 February 2000, Marina del Rey, CA USA
19. **Status report of Borexino experiment**

*Proceeding at the 3rd International workshop on Neutrino Factories based on Muon Storage Rings (NUFACT01), 24-30 May 2001 Tsukuba, Japan.*


20. **Borexino: A Real Time Liquid Scintillator Detector for Low Energy Solar Neutrino Study**


21. **Neutrinos and (Anti)neutrinos from Supernovae and from the Earth in the Borexino detector**

*Proceedings of the 1st Yamada Symposium on Neutrinos and Dark Matter in Nuclear Physics June 9-14, 2003, Nara Japan*


22. **European underground facilities. An overview**


23. **Non-accelerator astroparticle physics: Borexino and ICARUS experiments**

*Highlight in physics 2005 - 11-14 October 2005 Milano Italy.*

Annual report of Physics Dept. of the Milano University (2006).

24. **Geoneutrinos detection at Gran Sasso National Laboratory**

*Proceedings of the Ninth International Workshop on Theoretical and Phenomenological Aspect of Underground Physics (TAUP 2005), Zaragoza, Spain, 10-14 September 2005.*


25. **Geoneutrinos in Borexino**

*Proceedings of the International Conference Neutrino Geophysics, Honolulu, Hawaii USA, 14-16 December 2005*


26. **Borexino**

*Proceedings of the XXII International Conference on Neutrino Physics and Astrophysics. Santa Fe, New Mexico USA, June 13-19, 2006*

https://doi.org/10.1016/j.nuclphysbps.2011.10.023

27. **Solar neutrino detection**

*Proceeding of the Third School on Cosmic Rays and Astrophysics. Arequipa - Perú, August 25 - September 5, 2008*
28. **Solar neutrinos: from their production to their detection**  
*Proceedings of the 4th School on Cosmic Rays and Astrophysics. Sao Paolo - Brazil, August 25 - September 4, 2010*  
PoS - Proceedings of Science, CRA School 030 (2010).

29. **Nuclear physics for geo-neutrino studies**  
*Proceedings of the Neutrino Geoscience 2010. LNGS - Italy, October 6-8 2010*  
http://geoscience.lngs.infn.it/Program/Pdf_presentations/Miramonti.pdf

30. **Lifetimes of $^{214}$Po and $^{212}$Po measured with Counting Test Facility at Gran Sasso National Laboratory**  
*Proceedings of 2nd International Conference on Po and Radioactive Pb Isotopes. Mangalore - India, February 10-13 2013*  
http://inco.mangaloreuniversity.ac.in/  
Journal of Environmental Radioactivity 138 (2014) 444-446

31. **Solar neutrino physics: Status and perspectives**  
*Proceedings of XII IFAE - Incontri di Fisica delle Alte Energie Cittadella Universitaria di Monserrato Italy, April 2013*  
IL NUOVO CIMENTO Vol. 37 C, N. 1

32. **Present and Future of Solar neutrino Physics**  
*Proceedings of the XV NEUTRINO TELESCOPES Workshop, Venezia, Italy, March, 2013*  
PoS - Proceedings of Science, Neutel 064 (2013)

33. **Preface: IV Workshop in Low Radioactivity Techniques 2013 (LRT 2013)**  
*Proceedings of the IV Workshop in Low Radioactivity Techniques 2013. LNGS, Assergi Italy, April 10-12, 2013*  

34. **Water purification in Borexino**  
*Proceedings of the IV Workshop in Low Radioactivity Techniques 2013. LNGS, Assergi Italy, April 10-12, 2013*  

35. **Measurements of Ultra High Energy Cosmic Rays with the Pierre Auger Observatory**  
*Proceedings of INTERNATIONAL CONFERENCE ON "Black holes, jets and outflows Kathmandu, Nepal, October 2013. Published online at http://www.iasfbo.inaf.it/ palazzi/Nepal/Nepal2013/*

36. **Impact on Astrophysics and Elementary Particle Physics of recent and future Solar Neutrino data**  
*Proceedings of the 14th ICATPP Conference on Astrophysics, Particle, Space Physics and Detectors for Physics Applications. Villa Olmo, Italy, September, 2013*  
37. Geo-neutrinos from 1353 days with the Borexino detector
Proceedings of the 13th International Conference on Topics in Astroparticle and Underground Physics (TAUP 2013). Asilomar, California USA, September, 2013

38. Measurement of geo-neutrinos detected in the Borexino experiment at the Laboratory Nazionali del Grasso
Proceedings of the XXVI Conference on Neutrino Physics and Astrophysics (Neutrino 2014). Boston, Massachusetts USA, June, 2014
https://indico.fnal.gov/contributionDisplay.py?contribId=12&sessionId=29&confId=8022

39. Achievements in solar neutrino physics with the Borexino detector

40. Status and potentialities of the JUNO experiment
Proceedings of the XVII NEUTRINO TELESCOPES Workshop, Venezia, Italy, February, 2017
PoS - Proceedings of Science, Neutel 056 (2017)

41. Neutrino Physics and Astrophysics with the JUNO Detector
Published in the MDPI Universe - Open Access Journal of Theoretical Physics, following a peer review of contributions. A Special Issue "Selected Papers from the 7th International Conference on New Frontiers in Physics (ICNFP 2018)". 4-12 July 2018, Kolymbari, Crete
Universe 2018, 4(11), 126; https://doi.org/10.3390/universe4110126

42. Solar Neutrinos Spectroscopy with Borexino Phase-II
Published in the MDPI Universe - Open Access Journal of Theoretical Physics, following a peer review of contributions. A Special Issue "Selected Papers from the 7th International Conference on New Frontiers in Physics (ICNFP 2018)". 4-12 July 2018, Kolymbari, Crete
Universe 2018, 4(11), 118; https://doi.org/10.3390/universe4110118

43. Recent results of solar pp-neutrino flux with the Borexino detector
http://inspirehep.net/record/1717480

44. Solar neutrino results and future prospects with the Borexino detector
doi:10.1088/1742-6596/1766/1/012006
45. **Latest results and future prospects of the Pierre Auger Observatory**
   Proceedings for "Tenth edition of the International Conference on High Energy and Astroparticle Physics (TIC-HEAP)”. 19-21 October 2019, Constantine, Algeria
   doi:10.1088/1742-6596/1766/1/012002

46. **Homogeneously Modified Special Relativity applications for UHECR and Neutrino oscillations**
   Proceedings for "Tenth edition of the International Conference on High Energy and Astroparticle Physics (TIC-HEAP)”. 19-21 October 2019, Constantine, Algeria
   doi:10.1088/1742-6596/1766/1/012009

47. **Status and the perspectives of the Jiangmen Underground Neutrino Observatory (JUNO)**
   Proceedings for "20th International Workshop on Next generation Nucleon Decay and Neutrino Detectors (NNN19)”. 7-9 November 2019, Medellin, Colombia
   doi:10.1142/S0217732320300049

48. **Results and perspectives in solar neutrino detection with Borexino**
   Proceedings for "International Conference on Neutrinos and Dark Matter (NDM-2020)”. 11-14 January 2020, Hurghada, Egypt
   Published in open access volume of Andromeda Conference Proceeding (ACP)
   http://www.andromedapublisher.com/media/img/confprocimg/2/Pdf/Lino-Miramonti.pdf
   DOI: 10.31526/ACP.NDM-2020.29