Lino Miramonti

July 9, 2020

Elenco pubblicazioni (Su riviste internazionali con referaggio)

[L’Impact Factor è 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.Déliot, S.Hervé, 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.Danevich, M.G.Giammarchi, V.V.Kobychev,
   B.N.Kropivyanansky, E.Meroni, L.Miramonti, A.S.Nikolayko, L.Oberaurer, 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 Fréjus underground laboratory  
   *L.Miramonti*
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10. High sensitivity $2\beta$ 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  
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    [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
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22. A multiplex optical-fiber system for the PMT calibration of the Borexino experiment
    B.Caccianiga, D.Franco, D.Giugni, P.Lombardi, S.Maleazzi, J.Maneira, G.Manusardi,
    L.Miramonti, G.Ranucci, O.Smirnov
    [IF = 1.166]

23. New experimental limits on heavy neutrino mixing in $^8$B decay obtained with the Borexino Counting Test Facility
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    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
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25. Recent advances in neutrinoless double beta decay search  
L. Miramonti, F. Reseghetti  
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26. Neutrinoless double beta decay: current status and perspectives and the Cameo project  
L. Miramonti  
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27. Search for electron antineutrino interaction with the Borexino Counting Test Facility at Gran Sasso  
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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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30. Pulse-Shape discrimination with the Counting Test Facility  
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31. First real time detection of $^7$Be solar neutrinos by Borexino  
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32. Search for solar axions emitted in the M1-transition of $^7Li^*$ with Borexino CTF  
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33. Study of phenylxylylethane (PXE) as scintillator for low energy neutrino experiments  
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34. $^7$Be neutron production cross section on $^{12}$C targets
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35. Direct Measurement of the $^7$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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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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43. A Study of the Effect of Molecular and Aerosol Conditions on Air Fluorescence Measurements at the Pierre Auger Observatory

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47. Observation of geo-neutrinos

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50. Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter

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51. The exposure of the hybrid detector of the Pierre Auger Observatory  
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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  
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   [IF = 3.140]

54. Search for First Harmonic Modulation in the Right Ascension Distribution of Cosmic Rays Detected at the Pierre Auger Observatory  
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55. Advanced functionality for radio analysis in the Offline software framework of the Pierre Auger Observatory  
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56. Search for modulations of the solar Be-7 flux in the next-generation neutrino observatory LENA  
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58. Muon and cosmogenic neutron detection in Borexino  
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59. **Anisotropy and chemical composition of ultra-high energy cosmic rays using arrival directions measured by the Pierre Auger Observatory**  
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60. **Precision measurement of the $^7$Be solar neutrino interaction rate in Borexino**  
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69. A search for anisotropy in the arrival directions of ultra high energy cosmic rays
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70. Measurement of the proton-air cross-section at sqrt(s) = 57 TeV with the Pierre
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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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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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77. Borexino calibrations: Hardware, Methods, and Results
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78. A Search for Point Sources of EeV Neutrons
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[IF = 6.733]

79. Results of a self-triggered prototype system at the Pierre Auger Observatory for radio-detection of air showers induced by cosmic rays
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80. Large scale distribution of arrival directions of cosmic rays detected above $10^{18}$ eV at the Pierre Auger observatory
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81. Constraints on the origin of cosmic rays above $10^{18}$ eV from large scale anisotropy searches in data of the Pierre Auger observatory
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82. Interpretation of the depths of maximum of extensive air showers measured by the Pierre Auger Observatory
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83. Solar neutrinos
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84. Ultrahigh Energy Neutrinos at the Pierre Auger Observatory
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85. Advancements in solar neutrinos physics
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86. Measurement of geo–neutrinos from 1353 days of Borexino
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87. SOX: Short distance neutrino oscillations with Borexino
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88. Lifetime measurements of $^{214}$Po and $^{212}$Po in the CTF liquid scintillator detector at LNGS
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89. Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth
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90. Bounds on the density of sources of ultra-high energy cosmic rays from the Pierre Auger Observatory
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91. Techniques for Measuring Aerosols using the Central Laser Facility at the Pierre Auger Observatory
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92. New limits on heavy sterile neutrino mixing in $^8\text{B}$-decay obtained with the Borexino detector
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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
   
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97. A search for point sources of EeV photons
   
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98. A Targeted Search for Point Sources of EeV Neutrons
   
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99. Reconstruction of inclined air showers detected with the Pierre Auger Observatory
   
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101. Muons in air showers at the Pierre Auger Observatory: measurement of atmospheric production depth
    
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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
    
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103. Depth of Maximum of Air-Shower Profiles at the Auger Observatory: Measurements at Energies above $10^{17.8}$ eV
    
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107. **Test of Electric Charge Conservation with Borexino**

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

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

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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**

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114. **Azimuthal asymmetry in the risetime of the Surface Detector signals of the Pierre Auger Observatory**

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115. Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory
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116. Nanosecond-level time synchronization of autonomous radio detector stations using a reference beacon and commercial airplanes
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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
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119. Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory
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120. Neutrino Physics with JUNO
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121. Testing hadronic interactions at ultrahigh energies with air showers measured by the Pierre Auger Observatory
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122. Search for ultrarelativistic magnetic monopoles with the Pierre Auger observatory
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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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130. Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory

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131. Low background techniques in liquid scintillators detectors

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132. Multi-resolution anisotropy studies of ultra-high energy cosmic rays detected at the Pierre Auger Observatory

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134. Seasonal modulation of the $^7Be$ solar neutrino rate in Borexino

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135. **Observation of a Large-scale Anisotropy in the Arrival Directions of Cosmic Rays above** $8 \times 10^{18}$ eV

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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**

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

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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.*

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139. **Multi-messenger Observations of a Binary Neutron Star Merger**

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

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

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142. **Borexino: geo-neutrino measurement at Gran Sasso, Italy**

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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  
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146. Charge reconstruction in large-area photomultipliers  
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Marco Danilo Claudio Torri, Stefano Bertini, Marco Giammarchi, Lino Miramonti  
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149. Comprehensive measurement of pp-chain solar neutrinos  
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150. Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory  
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151. Large-scale cosmic-ray anisotropies above 4 EeV measured by the Pierre Auger Observatory  
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152. GIGJ: a crustal gravity model of the Guangdong Province for predicting the geoneutrino signal at the JUNO experiment  
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153. Distillation and stripping pilot plants for the JUNO neutrino detector: design, operations and reliability
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154. Measurement of the average shape of longitudinal profiles of cosmic ray air-showers at the Pierre Auger Observatory
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155. Modulations of the Cosmic Muon Signal in Ten Years of Borexino Data
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   *Auger Coll.*
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157. Multi-Messenger Physics with the Pierre Auger Observatory
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158. Homogeneously Modified Special relativity (HMSR)
   *Marco Danilo Claudio Torri, Vito Antonelli, Lino Miramonti*
   European Physical Journal C (2019) 79:808
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159. Probing the origin of ultra-high energy cosmic rays with neutrinos in the EeV energy range using the Pierre Auger Observatory
   *Auger Coll.*
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160. Simultaneous precision spectroscopy of pp, $^7$Be, and pep solar neutrinos with Borexino Phase-II
   *Borexino Coll.*
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161. A 3-Year Sample of Almost 1,600 Elves Recorded Above South America by the Pierre Auger Cosmic-Ray Observatory
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162. **Limits on point-like sources of ultra-high-energy neutrinos with the Pierre Auger Observatory**  
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163. **Combined sensitivity to the neutrino mass ordering with JUNO, the IceCube Upgrade, and PINGU**  
*Juno Coll. and IceCube-Gen2 Coll.*  
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164. **The QUPLAS experimental apparatus for antimatter interferometry**  
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165. **Comprehensive geoneutrino analysis with Borexino**  
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166. **Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II**  
*Borexino Coll.*  
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167. **Improved measurement of $^8\text{B}$ solar neutrinos with 1.5 kt·y of Borexino exposure**  
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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*  
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169. **Cosmic ray anisotropies in right ascension measured by the Pierre Auger Observatory**  
*Auger Coll.*  
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170. Borexino’s search for low-energy neutrinos from astrophysical sources  
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   to be summited to Astroparticle Physics

171. Search for low energy neutrinos from astrophysical sources  
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172. $^{222}$Rn contamination mechanisms on acrylic surfaces  
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173. A measurement of the cosmic ray energy spectrum above $2.5 \times 10^{18}$ eV using the Pierre Auger Observatory  
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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  
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175. Reconstruction of Events Recorded by the Surface Detector of the Pierre Auger Observatory  
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   to be summited

176. Search for magnetically-induced signatures in the arrival directions of ultra-high-energy cosmic rays measured at the Pierre Auger Observatory  
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178. TAO Conceptual Design Report  
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