

Publications dans des revues avec comité de lecture entre 2007 et 2012

I. De A. à S. : Articles du LPNHE dans des revues avec comité de lecture - 2007-2012

II. T. : Articles dans des revues avec comité de lecture par des personnels arrivés après 2007 et publiés entre 2007 et avant leur arrivée au LPNHE

Equipe Masses et Interactions Fondamentales

A. ATLAS

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2. *Performance of the ATLAS liquid argon endcap calorimeter in the pseudorapidity region $2.5 < |\eta| < 4.0$ in beam tests*, Pinfeld, J. et al., *Nuclear Instruments and Methods in Physics Research A*, 593, p 324-342 (2008)
3. *Time resolution of the ATLAS barrel liquid argon electromagnetic calorimeter*, Aharrouche, M. et al., *Nuclear Instruments and Methods in Physics Research A*, 597, p 178-188 (2008)
4. *Construction, assembly and tests of the ATLAS electromagnetic end-cap calorimeters*, ATLAS Electromagnetic Liquid Argon Endcap Calorimeter Group et al., *Journal of Instrumentation*, 3, p P06002 (2008)
5. *The ATLAS Experiment at the CERN Large Hadron Collider*, The ATLAS Collaboration, *Journal of Instrumentation*, 3, p 8003+ (2008)
6. *Radiation qualification of the front-end electronics for the readout of the ATLAS liquid argon calorimeters*, N J Buchanan et al., *Journal of Instrumentation*, 3, p P10005 (2008)
7. *ATLAS liquid argon calorimeter front end electronics*, N J Buchanan et al., *Journal of Instrumentation*, 3, p P09003 (2008)
8. *Design and implementation of the Front End Board for the readout of the ATLAS liquid argon calorimeters*, N J Buchanan et al., *Journal of Instrumentation*, 3, p P03004 (2008)
9. *Study of the response of the ATLAS central calorimeter to pions of energies from 3 to 9 GeV*, Abat, E. et al., *Nuclear Instruments and Methods in Physics Research A*, 607, p 372-386 (2009)
10. *Study of the response of ATLAS electromagnetic liquid argon calorimeters to muons*, Aharrouche, M. et al., *Nuclear Instruments and Methods in Physics Research A*, 606, p 419-431 (2009)
11. *Expected Performance of the ATLAS Experiment - Detector, Trigger and Physics*, Aad, G. et al., hep-ex:0901.0512 (2009)
12. *Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector*, G. Aad et al. [ATLAS Collaboration] arXiv: 1112.6297 [hep-ex].
13. *Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], arXiv: 1112.5755 [hep-ex].
14. *Observation of a new χ_b state in radiative transitions to $\Upsilon(1S)$ and $\Upsilon(2S)$ at ATLAS*, G. Aad et al. [ATLAS Collaboration] arXiv: 1112.5154 [hep-ex].
15. *Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], arXiv: 1112.4828 [hep-ex].
16. *Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], arXiv: 1112.4462 [hep-ex].
17. *Search for production of resonant states in the photon-jet mass distribution using pp collisions at $\sqrt{s} = 7$ TeV collected by the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], arXiv: 1112.3580 [hep-ex].
18. *Search for the Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow l\nu l\nu$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], arXiv: 1112.2577 [hep-ex].
19. *Search for Extra Dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], arXiv: 1112.2194 [hep-ex].
20. *Measurement of the WZ production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], arXiv: 1111.5570 [hep-ex].
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26. *Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data*, G. Aad et al. [ATLAS Collaboration], arXiv: 1110.3174 [hep-ex].
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31. *Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV pp collisions using 1 fb^{-1} of ATLAS data*, G. Aad et al. [ATLAS Collaboration], Phys. Rev. D **85** (2012) 012006 [arXiv: 1109.6606 [hep-ex]].
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33. *Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow 4l$ with the ATLAS detector*, G. Aad et al. [ATLAS Collaboration], Phys. Lett. B **705** (2011) 435 [arXiv: 1109.5945 [hep-ex]].
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6. *Observation of the Suppression of the Flux of Cosmic Rays above 4×10^{19} eV*, Abraham, J. et al., *Phys. Rev. Lett.*, 101, p 061101 (2008)
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26. *Description of Atmospheric Conditions at the Pierre Auger Observatory using the Global Data Assimilation System (GDAS)*, The Pierre Auger Collaboration, *Astroparticle Physics*, 35, 591 (2012)
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2. *Gravitational dynamics of an infinite shuffled: particle coarse-grainings, non-linear clustering and the continuum limit*, Baertschiger et al. (2007), Phys. Rev. E 76, 011116
3. *Cosmological N body simulations and the Vlasov equation*, Joyce (2007), Comm. Nonlin. Sc. Num. Sim, 13, 100
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S. Autres

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S. Baumont (Arrivée en 2011)

1. *SNLS3: Constraints on Dark Energy Combining the Supernova Legacy Survey Three-year Data with Other Probes*, Sullivan M. et al., The Astrophysical Journal 737, Issue 2, article id.102 (2011)
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12. *SALT2: using distant supernovae to improve the use of type Ia supernovae as distance indicators*, J. Guy et al., Astronomy & Astrophysics 466 pp.11-21 (2007)

T. Beau (Arrivée en 2008)

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13. *"Study of phenylxylylene (PXE) as scintillator for low energy neutrino experiments"*, H. O. Back, M. Balata, A. de Bari, T. Beau, A. de Bellefon, G. Bellini, J. Benziger and S. Bonetti et al., Nucl. Instrum. Meth. A **585**, 48 (2008).
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J. Bolmont (Arrivée en 2010)

15. *Erratum: Multiyear search for a diffuse flux of muon neutrinos with AMANDA-II* [Phys. Rev. D 76, 042008 (2007)], Collaboration AMANDA/IceCube, Phys. Rev. D, 77, 089904 (2008)
16. *The alpha magnetic spectrometer silicon tracker: Performance results with protons and helium nuclei*, Collaboration AMS: groupe trajectométrie, NIM A, 593, 376 (2008)
17. *Solar Energetic Particle Spectrum on 2006 December 13 Determined by IceTop* Collaboration AMANDA/IceCube, ApJL, 689, 65 (2008),
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19. *The Search for Muon Neutrinos from Northern Hemisphere Gamma-Ray Bursts with AMANDA* Collaboration AMANDA/IceCube, ApJ, 674, 357 (2008)
20. *Study of time lags in HETE-2 gamma-ray bursts with redshift: search for astrophysical effects and a Quantum Gravity signature* J. Bolmont, J.-L. Atteia, A. Jacholkowska, F. Piron, G. Pizzichini, ApJ, 676, 532-544 (2008)
21. *Detection of Atmospheric Muon Neutrinos with the IceCube 9-String Detector*, Collaboration AMANDA/IceCube, Phys. Rev. D, 76, 027101 (2007)
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S. Bongard (Arrivée en 2008)

P. Ghia (Arrivée en 2010)

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26. *First CNGS events detected by LVD* N. Y. Agafonova et al. (LVD Collaboration), Eur. Phys. J. C 52 (2007) 849
27. *On line recognition of supernova neutrino bursts in LVD*, N. Y. Agafonova et al. (LVD Collaboration), Astropart. Phys. 28 (2008) 516
28. *Time structure of the EAS electron and muon components measured by the KASCADE-Grande experiment*, W. D. Apel et al. [KASCADE-Grande Collaboration], Astropart. Phys. 29 (2008) 317.
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33. *The KASCADE-Grande experiment*, Apel et al [The KASCADE-Grande Collaboration], Nucl. Instr and Meth. A620 (2010) 202

C. Giganti (Arrivée en 2012)

En 2011-2011, signataire des publications de la collaboration T2K répertoriées dans la liste principale des publication du laboratoire.

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35. *Measurement of K^+ production cross section by 8 GeV protons using high energy neutrino interactions in the SciBooNE detector*, SciBooNE Collaboration, Phys.Rev. D84 (2011) 012009, 2011
36. *Measurement of inclusive charged current interactions on carbon in a few-GeV neutrino beam*, SciBooNE collaboration, Phys.Rev. D83 (012005), 2011
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38. *Improved measurement of neutral current coherent π^0 production on carbon in a few-GeV neutrino beam*, SciBooNE collaboration, Phys.Rev.D81 111102,2010
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A. Jacholkowska (Arrivée en 2008)

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