

Publications du LAPP

Année 2009

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ATLAS

Articles dans des revues à comité de lecture

Study of the response of ATLAS electromagnetic liquid argon calorimeters to muons

Aharrouche M. et al., ATLAS Coll., Nuclear Instruments and Methods A606 (2009) 419-431 <http://hal.in2p3.fr/in2p3-00385432>

Study of the response of the ATLAS central calorimeter to pions of energies from 3 to 9 GeV

Aharrouche M., et al., ATLAS Coll., Nuclear Instruments & Methods A607 (2009) 372-386 <http://hal.in2p3.fr/in2p3-00395277>

The ATLAS muon Micromegas R&D project: towards large-size chambers for the s-LHC

Alexopoulos T., Iengo P. et al., Journal of Instrumentation 4 (2009) P12015 <http://hal.in2p3.fr/in2p3-00450357>

Autres productions

Expected performance of the ATLAS experiment - Detector, trigger and physics

Aad G., et al., ATLAS Coll., <http://hal.in2p3.fr/in2p3-00350536>

BABAR

Articles dans des revues à comité de lecture

Branching fractions and CP-violating asymmetries in radiative B decays to $\varepsilon K \gamma$

Aubert B., et al, BABAR Coll., Physical Review D79 (2009) 011102 <http://hal.in2p3.fr/in2p3-00361187>

Measurements of the semileptonic decays $\bar{B} \rightarrow D \ell \bar{\nu}$ and $\bar{B} \rightarrow D^{\Delta} \ell \bar{\nu}$ using a global fit to $D X \ell \bar{\nu}$ final states*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 012002 <http://hal.in2p3.fr/in2p3-00318877>

Search for lepton flavour violating decays $\bar{\tau} \rightarrow \ell \bar{K}_S^0$ with the BaBar experiment

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 012004 <http://hal.in2p3.fr/in2p3-00363111>

Angular distributions in the decay $B \rightarrow K^ \ell^+ \ell^-$*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 031102 <http://hal.in2p3.fr/in2p3-00276253>

Measurements of time-dependent CP asymmetries in $B^0 \rightarrow D^{()+} D^{(*)-}$ decays*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 032002 <http://hal.in2p3.fr/in2p3-00315929>

Dalitz plot analysis of $D_s^+ \rightarrow \pi^+ \pi^- \pi^+$

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 032003 <http://hal.in2p3.fr/in2p3-00346301>

Search for the decay $B^+ \rightarrow K_S^0 K_S^0 \pi^+$

Aubert B., et al, BABAR Coll., Physical Review D79 (2009) 051101 <http://hal.in2p3.fr/in2p3-00338417>

*Evidence for $B^+ \rightarrow \bar{K}^{*0} K^{*+}$*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 051102 <http://hal.in2p3.fr/in2p3-00352154>

Measurement of time dependent CP asymmetry parameters in B^0 meson decays to ωK_S^0 , $\varepsilon' K_S^0$, and $\pi^0 K_S^0$

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 052003 <http://hal.in2p3.fr/in2p3-00319857>

Observation of B meson decays to ωK^ and improved measurements for $\omega \rho$ and ωf_0*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 052005 <http://hal.in2p3.fr/in2p3-00373169>

Measurement of the $B^+ \rightarrow \omega \ell^+ \nu$ and $B^+ \rightarrow \varepsilon \ell^+ \nu$ branching fractions

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 052011 <http://hal.in2p3.fr/in2p3-00315930>

*Constraints on the CKM angle gamma in $B^0 \rightarrow \bar{D}^0 (D^0) K^{*0}$ from a Dalitz analysis of $D^0 \rightarrow K_S \pi^+ \pi^-$*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 072003 <http://hal.in2p3.fr/in2p3-00376044>

Dalitz plot analysis of $D^{\pm} \rightarrow \pi^{\pm} \pi^{\pm} \pi^{\pm}$ decays

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 072006 <http://hal.in2p3.fr/in2p3-00361258>

*Measurement of time-dependent CP asymmetry in $B^0 \rightarrow c\bar{c} K^{*0}$ decays*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 072009 <http://hal.in2p3.fr/in2p3-00378908>

Search for the rare leptonic decays $B^+ \ell^+ \nu (\ell=e,\mu)$

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 091101 <http://hal.in2p3.fr/in2p3-00366582>

Exclusive initial-state-radiation production of the $D\bar{D}, D^ \bar{D}$, and $D^* \bar{D}^*$ systems*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 092001 <http://hal.in2p3.fr/in2p3-00367140>

Measurement of the semileptonic decays $\bar{B} \rightarrow D \tau^- \bar{\nu}_\tau$ and $\bar{B} \rightarrow D^ \tau^- \bar{\nu}_\tau$*

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 092002 <http://hal.in2p3.fr/in2p3-00362093>

Search for the $Z(4430)^-$ at BABAR

Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 112001 <http://hal.in2p3.fr/in2p3-00391740>

- Dalitz plot analysis of $B^- \rightarrow D^+ \pi^- \pi^-$*
Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 112004 <http://hal.in2p3.fr/in2p3-00352104>
- Measurement of the branching fraction and \bar{A} polarization in $B^0 \rightarrow \bar{A} \rho \pi^-$*
Aubert B. et al, BABAR Coll., Physical Review D79 (2009) 112009 <http://hal.in2p3.fr/in2p3-00418396>
- Search for B^0 meson decays to $\pi^0 K_S^0 K_S^0$, $\eta K_S^0 K_S^0$, and $\eta' K_S^0 K_S^0$*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 011101 <http://hal.in2p3.fr/in2p3-00418404>
- Search for $b \rightarrow u$ transitions in $B^0 \rightarrow D^0 K^{*0}$ decays*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 031102 <http://hal.in2p3.fr/in2p3-00375579>
- Search for B -meson decays to $b_1 \rho$ and $b_1 K^*$*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 051101 <http://hal.in2p3.fr/in2p3-00420307>
- Observation of the baryonic B -decay $\bar{B}^0 \rightarrow \lambda \alpha_c^+ \text{ anti-proton } K^- \pi^+$*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 051105 <http://hal.in2p3.fr/in2p3-00420362>
- Measurement of the $\gamma \gamma^* \rightarrow \pi^0$ transition form factor*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 052002 <http://hal.in2p3.fr/in2p3-00419188>
- Measurement of D^0 - \bar{D}^0 mixing using the ratio of life-times for the decays $D^0 \rightarrow K^- \pi^+$ and $K^+ K^-$*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 071103 <http://hal.in2p3.fr/in2p3-00420380>
- Measurement of CP violation observables and parameters for the decays $B^\pm \rightarrow D K^{*\mp}$*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 092001 <http://hal.in2p3.fr/in2p3-00430121>
- Study of D_{s1} decays to $D^* K$ in inclusive $e^+ e^-$ interactions*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 092003 <http://hal.in2p3.fr/in2p3-00420588>
- Measurements of the τ mass and mass difference of the τ^+ and τ^- at BaBar*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 092005 <http://hal.in2p3.fr/in2p3-00420591>
- Observation and polarization measurement of $B^0 \rightarrow a_1(1260)^+ a_1(1260)^-$ decay*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 092007 <http://hal.in2p3.fr/in2p3-00420482>
- Model-independent search for the decay $B^+ \rightarrow \ell^+ \nu_\ell \gamma$*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 111105 <http://hal.in2p3.fr/in2p3-00420549>
- Time-dependent amplitude analysis of $B^0 \rightarrow K_S^0 \pi^+ \pi^-$*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 112001 <http://hal.in2p3.fr/in2p3-00419181>
- B meson decays to charmless meson pairs containing η or η' mesons*
Aubert B. et al, BABAR Coll., Physical Review D80 (2009) 112002 <http://hal.in2p3.fr/in2p3-00420299>
- Measurement of the $e^+ e^- \rightarrow b \bar{b}$ cross section between $\sqrt{s}=10.54$ and 11.20 GeV*
Aubert B. et al, BABAR Coll., Physical Review Letters 102 (2009) 012001 <http://hal.in2p3.fr/in2p3-00324470>
- Direct CP, lepton flavor and isospin asymmetries in the decays $B \rightarrow K(^*) \ell^+ \ell^-$*
Aubert B. et al, BABAR Coll., Physical Review Letters 102 (2009) 091803 <http://hal.in2p3.fr/in2p3-00315876>
- Evidence for $X(3872) \rightarrow \psi(2S) \gamma$ in $B^\pm \rightarrow X(3872) K^\pm$ decays, and a study of $B \rightarrow c \bar{c} \gamma K$*
Aubert B. et al, BABAR Coll., Physical Review Letters 102 (2009) 132001 <http://hal.in2p3.fr/in2p3-00316058>
- Improved measurement of $B^+ \rightarrow \rho^+ \rho^0$ and determination of the quark-mixing phase angle α*
Aubert B. et al, BABAR Coll., Physical Review Letters 102 (2009) 141802 <http://hal.in2p3.fr/in2p3-00355607>
- Measurement of $B \rightarrow X_\gamma$ decays and determination of $|V_{td}/V_{ts}|$*
Aubert B. et al, BABAR Coll., Physical Review Letters 102 (2009) 161803 <http://hal.in2p3.fr/in2p3-00315878>
- Improved limits on lepton-flavor violating τ decays to $\ell \phi$, $\ell \rho$, ℓK^* and $\ell \bar{K}^*$*
Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 021801 <http://hal.in2p3.fr/in2p3-00373578>
- Search for second-class currents in $\bar{\tau} \rightarrow \omega \pi^- \nu_\tau$*
Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 041802 <http://hal.in2p3.fr/in2p3-00418618>
- Measurement of semileptonic B decays into orbitally excited charmed mesons*
Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 051803 <http://hal.in2p3.fr/in2p3-00315924>
- Search for dimuon decays of a light scalar boson in radiative transitions $\Upsilon \rightarrow \gamma A^0$*
Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 081803 <http://hal.in2p3.fr/in2p3-00418447>
- Evidence for the $\epsilon_b(1S)$ meson in radiative $\Upsilon(2S)$ decay*
Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 161801 <http://hal.in2p3.fr/in2p3-00366597>
- Search for a low-mass Higgs boson in $Y(3S) \rightarrow \gamma A^0, A^0 \rightarrow \tau^+ \tau^-$ at BABAR*
Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 181801 <http://hal.in2p3.fr/in2p3-00420531>
- Measurement of D^0 - \bar{D}^0 mixing from a time-dependent amplitude analysis of $D^0 \rightarrow K^+ \pi^- \pi^0$ decays*
Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 211801 <http://hal.in2p3.fr/in2p3-00315877>

Measurement of $B \rightarrow K^*(892) \gamma$ branching fractions and CP and isospin asymmetries

Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 211802 <http://hal.in2p3.fr/in2p3-00420466>

Precise measurement of the $e^+ e^- \rightarrow \pi^+ \pi^- (\gamma)$ cross section with the initial state radiation method at BABAR

Aubert B. et al, BABAR Coll., Physical Review Letters 103 (2009) 231801 <http://hal.in2p3.fr/in2p3-00420827>

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Search for the $B^+ \rightarrow K^+ \nu \bar{\nu}$ decay using semi-leptonic tags

Aubert B., Karyotakis Y., Lees J.P., Poireau V., Prencipe E., Prudent X., Tisserand V. et al, BABAR Coll., arXiv:0911.1988 <http://hal.in2p3.fr/in2p3-00435397>

CMS

Articles dans des revues à comité de lecture

The CMS barrel calorimeter response to particle beams from 2 to 350 GeV/c

Abdullin S., et al., CMS Coll., European Physical Journal C 60 (2009) 359-373 <http://hal.in2p3.fr/in2p3-00378460>

HESS

Articles dans des revues à comité de lecture

H.E.S.S. observations of the prompt and afterglow phases of GRB 060602B

Aharonian F. et al., HESS Coll., Astrophysical Journal 690 (2009) 1068-1073 <http://hal.in2p3.fr/in2p3-00321879>

A search for a dark matter annihilation signal towards the Canis Major overdensity with H.E.S.S.

Aharonian F. et al., HESS Coll., Astrophysical Journal 691 (2009) 175-181 <http://hal.in2p3.fr/in2p3-00324687>

Very high energy gamma-ray observations of the galaxy clusters Abell 496 and Abell 85 with H.E.S.S.

Aharonian F. et al., HESS Coll., Astronomy and Astrophysics 495 (2009) 27-35 <http://hal.in2p3.fr/in2p3-00345966>

Discovery of gamma-ray emission from the shell-type supernova remnant RCW 86 with H.E.S.S.

Aharonian F. et al. HESS Coll., Astrophysical Journal 692 (2009) 1500-1505 <http://hal.in2p3.fr/in2p3-00331427>

H.E.S.S. observations of gamma-ray bursts in 2003-2007

Aharonian F. et al. HESS Coll., Astronomy and Astrophysics 495 (2009) 505-512 <http://hal.in2p3.fr/in2p3-00354648>

Discovery of very high energy gamma-ray emission from Centaurus A with H.E.S.S.

Aharonian F. et al., HESS Coll., Astrophysical Journal Lett. 695 (2009) L40-L44 <http://hal.in2p3.fr/in2p3-00367126>

Simultaneous observations of PKS 2155-304 with H.E.S.S., Fermi, RXTE and ATOM: spectral energy distributions and variability in a low state

Aharonian F. et al., HESS Coll., Astrophysical Journal 696 (2009) L150-L155 <http://hal.in2p3.fr/in2p3-00378403>

HESS upper limit on the very high energy γ -ray emission from the globular cluster 47 Tucanae

Aharonian F. et al. HESS Coll., Astronomy and Astrophysics 499 (2009) 273-277 <http://hal.in2p3.fr/in2p3-00392048>

Detection of very high energy radiation from HESS J1908+063 confirms the Milagro unidentified source MGRO J1908+06

Aharonian F. et al. HESS Coll., Astronomy and Astrophysics 499 (2009) 723-728 <http://hal.in2p3.fr/in2p3-00393808>

Radio imaging of the very-high-energy gamma-ray emission region in the central engine of a radio galaxy

Acciari V.A. et al., HESS Coll., Science 325 n° 5939 (2009) 444-448 <http://hal.in2p3.fr/in2p3-00414261>

Detection of gamma rays from a starburst galaxy

Aceron F. et al., HESS Coll., Science 326 n° 5956 (2009) 1080-1082 <http://hal.in2p3.fr/in2p3-00420843>

Constraints on the multi-TeV particle population in the Coma Galaxy Cluster with H.E.S.S. observations

Aharonian F. et al., HESS Coll., Astronomy & Astrophysics 502 (2009) 437-443 <http://hal.in2p3.fr/in2p3-00402427>

Simultaneous multiwavelength observations of the second exceptional gamma-ray flare of PKS 2155-304 in July 2006

Aharonian F. et al. HESS Coll., Astronomy and Astrophysics 502 (2009) 749-770 <http://hal.in2p3.fr/in2p3-00410643>

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Aharonian F. et al. HESS Coll., Astronomy and Astrophysics 503 (2009) 817-825 <http://hal.in2p3.fr/in2p3-00410625>

Very high energy gamma-ray observations of the binary PSR B1259-63/SS2883 around the 2007 Periastron

Aharonian F. et al. HESS Coll., Astronomy and Astrophysics 507 (2009) 389-396 <http://hal.in2p3.fr/in2p3-00438793>

Probing the ATIC peak in the cosmic-ray electron spectrum with H.E.S.S.

Aharonian F. et al. HESS Coll., Astronomy and Astrophysics 508 (2009) 561-564 <http://hal.in2p3.fr/in2p3-00380853>

HESS upper limits on very high energy gamma-ray emission from the microquasar GRS 1915+105

Acero F. et al., HESS Coll., Astronomy and Astrophysics 508 (2009) 1135-1140 <http://hal.in2p3.fr/in2p3-00445870>

The radio counterpart of the likely TeV binary HESS J0632+057

Skilton J.L., **Fiasson A.** et al, Monthly Notices of the Royal Astronomical Society 399 (2009) 317-322 <http://hal.archives-ouvertes.fr/hal-00398778>

A multivariate analysis approach for the imaging atmospheric Cherenkov telescopes system H.E.S.S.

Dubois F., Lamanna G. et al. HESS Coll., Astroparticle Physics 32 (2009) 73-88 <http://hal.in2p3.fr/in2p3-00431663>

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New unidentified H.E.S.S. Galactic sources

Tibolla O. et al. HESS Coll., Contributed paper to ICRC 2009 Lodz 2009 <http://hal.in2p3.fr/in2p3-00432341>

LEP collaborations

Articles dans des revues à comité de lecture

Measurement of Z-pair production in e^+e^- collisions and constraints on anomalous neutral gauge couplings

Schael S. et al., ALEPH Coll., Journal of High Energy Physics 04 (2009) 124 <http://hal.in2p3.fr/in2p3-00396724>

Autres productions

Precision electroweak measurements and constraints on the Standard Model

ALEPH, CDF, D0, DELPHI, L3, OPAL and SLD Collaborations, LEP Electroweak Working Group, Tevatron Electroweak Working Group, SLD electroweak heavy flavour group, <http://fr.arxiv.org/abs/0911.2604>

LHCb

Autres productions

Roadmap for selected key measurements of LHCb

Adeva B. et al., LHCb Coll., <http://fr.arxiv.org/abs/0912.4179>

NOMAD

Articles dans des revues à comité de lecture

A study of quasi-elastic muon neutrino and antineutrino scattering in the NOMAD experiment

Lyubushkin V. et al., NOMAD Coll., European Phys. Journal C63 (2009) 355-381 <http://hal.in2p3.fr/in2p3-00421711>

A measurement of coherent neutral pion production in neutrino neutral current interactions in NOMAD

Kullenberg C.T. et al., NOMAD Coll., Physics Letters B 682 (2009) 177-184 <http://hal.in2p3.fr/in2p3-00434440>

OPERA

Articles dans des revues à comité de lecture

The OPERA experiment in the CERN to Gran Sasso neutrino beam
Acquafredda R. et al. OPERA Coll., J. of Instrumentation 4 (2009) P04018 <http://hal.in2p3.fr/in2p3-00388711>

The detection of neutrino interactions in the emulsion/lead target of the OPERA experiment

Agafonova N. et al. OPERA Coll., J. of Instrumentation 4 (2009) 06020 <http://hal.in2p3.fr/in2p3-00376229>

POSITRON

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Advances in anodic alumina MCP development

Sillou D. et al., NIM A610 (2009) 246-248, Contribution to NDIP08, Aix les Bains 2008 <http://hal.in2p3.fr/in2p3-00447166>

Virgo

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Gravitational wave burst search in the Virgo C7 data
Acernese F. et al., VIRGO Coll., Classical and Quantum Gravity 26 (2009) 085009 <http://hal.in2p3.fr/in2p3-00373791>

Laser with an in-loop relative frequency stability of 1.0×10^{-21} on a 100-ms time scale for gravitational-wave detection

Acernese F. et al., VIRGO Coll., Physical Review A79 (2009) 053824 <http://hal.in2p3.fr/in2p3-00399922>

An upper limit on the stochastic gravitational-wave background of cosmological origin

Abbott B.P. et al., LIGO/Virgo Coll., Nature 460 n° 7258 (2009) 990-994 <http://hal.in2p3.fr/in2p3-00414345>

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Cleaning the Virgo sampled data for the search of periodic sources of gravitational waves

Acernese F. et al., VIRGO Coll., Classical and Quantum Gravity 26 (2009) 204002, Contribution to GWDW13, San Juan, Porto Rico 2009 <http://hal.in2p3.fr/in2p3-00423954>

Autres productions

Chance estimations for detecting gravitational waves with LIGO/Virgo associated with gamma ray bursts

Dietz A., LIGO/Virgo Coll., <http://hal.in2p3.fr/in2p3-00373768>

R&D Futurs Collisionneurs Linéaires

Articles dans des revues à comité de lecture

Response of the CALICE Si-W electromagnetic calorimeter physics prototype to electrons

Boumediene D. et al., CALICE Coll., Nuclear Instruments and Methods A608 (2009) 372-383 <http://hal.in2p3.fr/in2p3-00413406>

MICROMEGAS chambers for hadronic calorimetry at a future linear collider

Adloff C. et al., Journal of Instrumentation 4 (2009) P11023 <http://hal.in2p3.fr/in2p3-00419201>

Contributions écrites à des conférences avec comité de lecture

ATF2 Commissioning

Seryl A. et al., ATF2 Coll., Contributed paper to 23rd Particle Accelerator Conference PAC09, Vancouver, 4-8/05/2009 <http://hal.in2p3.fr/in2p3-00447323>

Ground vibration and coherence length measurements for the CLIC nano-stabilization studies

Artoos K. et al., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00590525>

Linear collider test facility: ATF2 final focus active stabilisation pertinence

Bolzón B. et al., ATF2 Coll., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00424396>

Linear collider final doublet considerations: ATF2 vibration measurements

Bolzón B. et al., ATF2 Coll., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00590521>

Nanometer order of stabilization for precision beam size monitor (Shintake Monitor)

Kume T., et al., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00590505>

Orbit reconstruction, correction, stabilization and monitoring in the ATF2 extraction line

Renier Y. et al., ATF2 Coll., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00424418>

Status of the CLIC Beam Delivery System

Tomas R., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00590531>

Study of the stabilization to the nanometer level of mechanical vibrations of the CLIC main beam

Artoos K. et al., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00590476>

Superconducting magnets for a final focus upgrade of ATF2

Parker B. et al., ATF2 Coll., Contributed paper to PAC09, Vancouver <http://hal.in2p3.fr/in2p3-00590535>

Autres productions

Environmental study of a Micromegas detector

Adloff C., Chefdeville M., Espargilière A., Gaglione R., <http://hal.in2p3.fr/in2p3-00413881>

MICROMEGAS Beam Test 2008 - Analysis & Results

Adloff C., Espargilière A., Karyotakis Y. <http://hal.in2p3.fr/in2p3-00544969>

SiD Letter of Intent

Aihara H., **Adloff C., Blaha J., Blaising J.-J., Cap S., Chefdeville M., Drancourt C., Espargilière A., Gaglione R., Geffroy N., Jacquemier J., Karyotakis Y., Prast J., Vouters G.** et al, March 31, 2009, LOI Letter of intent <http://silicondetector.org>

Calibration of Electronic Read-out chains for the Micromegas chambers

Adloff C., Chefdeville M., Espargilière A., Gaglione R., <http://hal.in2p3.fr/in2p3-00400295>

Report to the DESY PRC

Adloff C. et al., CALICE collaboration <http://hal.in2p3.fr/in2p3-00438264>

GEANT4

Articles dans des revues à comité de lecture

Geometry and physics of the Geant4 toolkit for high and medium energy application

Apostolakis J., **Elles S., Jacquemier J., Maire M.** et al., GEANT4 Coll., Radiation Physics and Chemistry 78 (2009) 859-873 <http://hal.in2p3.fr/in2p3-00418375>

Hors Collaboration LAPP

Articles dans des revues à comité de lecture

Constraints on CDM cosmology from galaxy power spectrum, CMB and SNIa evolution

Ferramacho L.D., **Zolnierowski Y.,** Astronomy and Astrophysics 499 (2009) 21-29 <http://hal.archives-ouvertes.fr/hal-00390654>

Measuring the Higgs sector

Lafaye R. et al., Journal of High Energy Physics 08 (2009) 009 <http://hal.in2p3.fr/in2p3-00379065>

A high performance likelihood reconstruction of γ -rays for imaging atmospheric Cherenkov telescopes

De Naurois M., **Rolland L.,** Astroparticle Physics 32 (2009) 231-252 <http://hal.in2p3.fr/in2p3-00433882>

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Proceedings of the HERA and the LHC Workshop series on the implications of HERA for LHC physics

Jung H., **Coco V.**, **Delsart P.A.**, et al., Contributed paper to 2nd Workshop on implications of HERA for LHC Phys. 2006-2008, Hamburg-Geneva <http://hal.archives-ouvertes.fr/hal-00437657>

Autres Productions

Superbradyons and some possible dark matter signatures

Gonzalez-Mestres L., <http://fr.arxiv.org/abs/0905.4146>