

Articles publiés dans des revues scientifiques

Quarks, leptons et symétries fondamentales

ATLAS collaboration

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Analyse des publications et taux de citations

Analyse effectuée sur les publications (articles) au 1^{er} mars 2008. Les données sont issues de ISI Web of Knowledge Citation Report.

Pour la période 1975-2008

Nombre de publications du laboratoire: 2084

Taux de citation moyen par article: 13,62

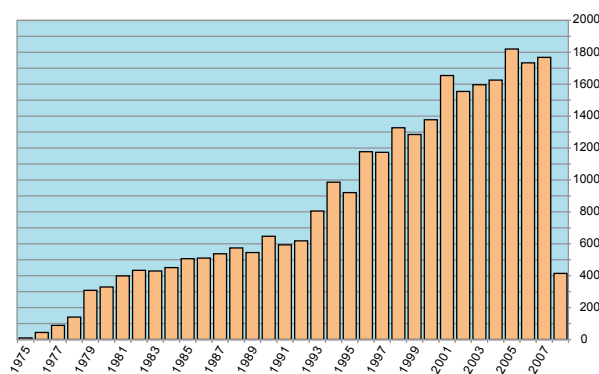
h-index: 63

Pour l'année 2004

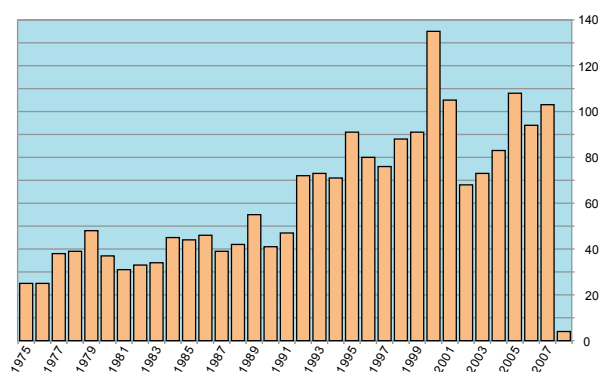
Nombre de publications du laboratoire: 83

Taux de citation moyen par article: 9,96

h-index: 15



Évolution du nombre des publications par année.



Évolution du nombre de citations par année.

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C.H. Hyun, S. Ando, B. Desplanques – Two-pion-exchange parity-violating potential and $np \rightarrow d\gamma$ – *Eur. Phys. J. A. 32 (2007) 513-515* – Contributed Talk

J.S. Réal for the G⁰ collaboration – Results from the forward G⁰ experiment – *Eur. Phys. J. A. 32 (2007) 463-468* – Invited Talk

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E. Voutier – Nucleon structure and generalized parton distributions – *Proc. edited by S. Dimitrova (Heron Press Science Series, 2006)*

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A. Barrau – World-making with extended gravity black holes for cosmic natural selection in the multiverse scenario – *To be edited by H. Kleinert et al. (World Scientific, 2008)*

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A. Nuttin, P. Guillemin, T. Courau, G. Marleau, O. Méplan, S. David, F. Michel-Sendis, J.N. Wilson – Study of CANDU thorium-based fuel cycles by deterministic and Monte Carlo methods – *Proc. CDRom (American Nuclear Society, 2006) C111*

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F. Ames et al. (**T. Lamy**) – ECRIS Charge Breeding at ISAC – *High Energy physics and nuclear physics chinese edition, 31 SI (2007) 211-215*

M. Marie-Jeanne, P. Delahaye – Recent developments on the Phoenix ECR booster at ISOLDE, CERN – *High Energy physics and nuclear physics chinese edition, 31 SI (2007) 216-218*

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A. Billebaud – Réacteurs hybrides: Avancées récentes pour un démonstrateur – *Proc. online (CENBG)* – Invited Talk

H. Nifenecker – Les énergies autres que le nucléaire – *Proc. online (CENBG)* – Invited Talk

K.V. Protasov – Physique fondamentale avec des neutrons ultra-froids – *Proc. online (CENBG)* – Invited Talk

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J. Genevey, J.A. Pinston, G.S. Simpson, W. Urban – Nuclear structure studies of microsecond isomers near $A = 100$ – *To be published by World Scientific* – Invited Talk

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J. Bouvier, M. Dahoumane, D. Dzahini, J.Y. Hostachy, E. Lagorio, O. Rossetto, H. Ghazlane, D. Dallet – A low power, and low signal 5-bit 25 Msamples/s pipelined ADC for monolithic active pixels – *Proc. CD Rom edited by B. Philips (IEEE Nuclear Science Symposium Conference Record, 2006) 375-379*

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J. Morel – Recherche de nouveaux bosons de jauge provenant de dimensions supplémentaires à ATLAS – *Proc. (IN2P3, 2007) 217-220*

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E. Merle-Lucotte – Futur du nucléaire - Nucléaire du futur – *Proc. online (2007)* – Invited Talk

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S. Ando, C.H. Hyun, B. Desplanques – Hadronic parity violation in $\bar{n}p \rightarrow d+\gamma$ with effective field theory – *To be published by Pusan National University Press*

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M. Winter, D. Dzahini, J.Y. Hostachy – Development of fast CMOS sensors adapted to an ILC vertex detector operated at room temperature – *Edited by R.M. Godbole, A. Gurtu (Pramana, 2007) Special Issue 69 n° 5 part 1 n° 6 part 2*

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J.M. Richard – Charmonium singlets, open charm and exotic hadrons – *Edited by G. Grindhammer, K. Sachs (DESY, 2007) 849-852* – Talk

M. Klasen, B. List, S. Hansmann-Menzemer, R. Mankel – Summary of the heavy flavor working group – *Edited by G. Grindhammer, K. Sachs (DESY, 2007) 249-266*

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A. Bidaud et al. (O. Laulan, A. Nuttin) – Direct sensitivity analysis of a thorium molten salt at equilibrium to nuclear data using MURE – Poster

5th International Workshop on the Utilisation and Reliability of High Power Proton Accelerators, Mol, Belgium, 6-9 May 2007

J.M. De Conto, S. Albrand, M. Baylac, J.L. Belmont, A. Billebaud, J. Bouvier, A. Fontenille, E. Froidefond, M. Fruneau, A. Garrigue, M. Guisset, D. Marchand, R. Micoud, J.C. Ravel, C. Vescovi – The GENEPI neutron sources at Grenoble. Perspectives for the GUINEVERE project at VENUS – *Proc. to be published by Nuclear Energy Agency*

International Congress on Advances in Nuclear Power Plants (ICAPP 2007), Nice, France, 13 -18 May 2007

E. Merle-Lucotte, D. Heuer, M. Allibert, V. Ghetta, C. Le Brun, L. Mathieu, R. Brissot, E. Liatard – Optimized transition from the reactors of second and third generations to the Thorium Molten Salt Reactor – *Proc. CD Rom (American Nuclear Society, 2007) 7189 9 pages* – Talk

15th International Seminar on Interaction of Neutrons with Nuclei: “Fundamental Interactions and Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics” (ISINN), Dubna, Russia, 16-19 May 2007

D. Rebreyend et al. (G. Quémener, S. Roccia, M. Tur) – The neutron EDM project at PSI – Talk

V.V. Nesvizhevsky et al. (G. Pignol, K.V. Protasov, D. Rebreyend, F. Vezzu) – GRANIT project: a trap for gravitational quantum states of UCN – Talk

15th International Conference on Electromagnetic Isotopes Separators and Techniques Related to their Applications (EMIS 2007), Deauville, France, 24-29 Jun 2007

M. Marie-Jeanne, P. Delahaye – Charge breeding ions for nuclear physics with the PHOENIX ECRIS – *To appear in Nucl. Instrum. Meth. Phys. Res. B*

22nd Particle Accelerator Conference 07 (PAC '07), Albuquerque, USA, 25-29 Jun 2007

P. Bosland et al. (Y. Gómez-Martínez, F. Vezzu, M. Fruneau) – Status of the cryomodules for the SPIRAL 2 superconducting LINAC – *Proc. online JACoW PAC07 THOAKI04 2578-2580*

T. Planche et al. (J. Fourier, J. Pasternak, E. Froidefond, B. Autin, F. Méot) – 3-D magnetic calculation methods for SPIRAL scaling FFAG magnet design – *Proc. online JACoW PAC07 TUPAN007 1401-1403* – Poster

J. Pasternak, J. Fourier, E. Froidefond, B. Autin, F. Méot, D. Neuvéglise, T. Planche – Spiral FFAG for protontherapy – *Proc. online JACoW PAC07 TUPAN008 1404-1406* – Poster

Semaine de l’Astrophysique Française (SF2A 2007), Grenoble, France, 2-6 juillet 2007

M. Mangin-Brinet – High energy cosmic rays composition measurements by CREAM experiment – *Proc. to be published online (SF2A, ADS)* – Talk

A. Barrau – Higher-order gravity black holes and the multiverse – *Proc. to be published online (SF2A, ADS)* – Talk

30th International Cosmic Ray Conference (ICRC '07), Merida, Mexico, 3-11 Jul 2007

A. Putze, L. Derome, D. Maurin, M. Buénerd – Nuclear cosmic rays propagation in the atmosphere

Agnetta G. et al. (J. Chauvin, D. Lebrun, S. Moreggia, P. Stassi) – Detection of the Cherenkov light diffused by sea water with the ULTRA experiment

F. Barao et al. (B. Baret, A. Barrau, M. Buénerd, L. Derome, M. Mangin-Brinet, A. Putze, Y. Sallaz-Damaz, M. Vargas-Trevino, O. Véziat) – The AMS-RICH velocity and charge reconstruction

L. Derome et al. (A. Barrau, O. Bourrion, J. Bouvier, B. Boyer, M. Buénerd, L. Eraud, R. Foglio, L. Gallin-Martel, M. Mangin-Brinet, A. Putze, Y. Sallaz-Damaz, J.P. Scordilis) – CHERCAM: the Cherenkov imager of the CREAM experiment, results in Z=1 test beams

12th International Workshop on Low Temperature Detectors (LTD-12), Paris, France, 22-27 Jul 2007

F. Pajot et al. (D. Santos) – Large bolometers arrays with superconducting NbSi sensors for future space experiments – *Proc. to appear in Journ. Low Temp* – Poster

15th International Conference on Supersymmetry and the Unification of Fundamental Interactions (SUSY'07), Karlsruhe, Germany, 26 Jul – 1 Aug 2007

B. Herrmann – Squark and gaugino hadroproduction and decays in non-minimal flavour violating supersymmetry – *Proc. to be published by Librix-publishers* – Talk

S. Kraml – CP violation in SUSY – (2007) *Proceedings of the SUSY'07* – *To be published Librix-publishers* – Plenary Talk

B. Fuks – Transverse momentum, threshold and joint resummations for slepton pair production at hadron colliders – *Proc. to be published by Librix-publishers* – Session Talk

B. Herrmann – Effect of SUSY-QCD corrections to neutralino annihilation on the cold dark matter relic density in the Higgs funnel – *Proc. to be published by Librix-publishers* – Session Talk

12th International Conference on Ion Sources (ICIS '07), Jeju, Korea, 26-31 Aug 2007

T. Lamy, J. Angot, T. Thuillier – European research activities on charge state breeding related to radioactive ion beam facilities – *To appear in Rev. Sci. Instrum.* – Invited Talk

L. Schachter et al. (**T. Thuillier, T. Lamy**) – The influence of ambipolarity on plasma confinement and the performance of ECRIS – *To appear in Rev. Sci. Instrum.* – Poster

T. Thuillier, T. Lamy, L. Latrasse, J. Angot – First plasma of the A-PHOENIX electron cyclotron resonance ion source – *To appear in Rev. Sci. Instrum.* – Talk

A. Lacoste, S. Béchu, O Maulat, J. Pelletier, Y. Arnal – Production of large area low-energy electron beams by extraction from a multi-dipolar plasma – *To appear in Rev. Sci. Instrum.* – Poster

E. Ames et al. (**T. Lamy**) – The ECRIS charge state breeding project at TRIUMF – *To appear in Rev. Sci. Instrum.* – Poster

T. Thuillier, T. Lamy, L. Latrasse et al. – Study of pulsed ECRIS plasma near breakdown: the Preglow – *To appear in Rev. Sci. Instrum.* – Poster

S. Béchu, A. Bès, D. Lemoine, J. Pelletier – Investigation of H-production by surface interaction of the plasma generated in “camembert III” reactor via Distributed Electron Cyclotron Resonance (DECR) at 2.45 GHz – *To appear in Rev. Sci. Instrum.* – Poster

C. Barton et al. (**T. Lamy, M. Marie-Jeanne**) – Status of the PHOENIX ECR charge breeder at ISOLDE, CERN – *To appear in Rev. Sci. Instrum.* – Poster

25th International Symposium on Lattice Field Theory (Lattice2007), Regensburg, Germany, 30 Jul - 4 Aug 2007

R. Baron et al. (**J. Carbonell**) – Moments of meson distribution functions with dynamical twisted mass fermions – *Proceeding of Science (2007) 153 (7 pages)* – Talk

C. Alexandrou et al. (**M. Brinet, J. Carbonell, V. Drach**) – Baryon masses with dynamical twisted mass fermions – *Proceeding of Science (2007) 087 (7 pages)* – Talk

International Conference on Computing in High Energy and Nuclear Physics (CHEP-07), Victoria, Canada, 2-7 Sep 2007

S. Albrand, T. Doherty, J. Fulachier, F. Lambert – The ATLAS Metadata Interface – *Proc. to be published in Journal of Physics: Conference Series* – Poster

T. Doherty, S. Albrand, J. Fulachier, F. Lambert – Integration of the ATLAS VOMS system with the ATLAS Metadata Interface – *Proc. to be published in Journal of Physics: Conference Series* – Poster

Topical Workshop on Electronics for Particle Physics (TWEPP-07), Prague, Czech Republic, 3-7 Sep 2007

M. Dahoumane, D. Dzahini, J. Bouvier, E. Lagorio, J.Y. Hostachy, O. Rossetto, H. Ghazlane, D. Dallet – A low power and low signal 4 bit 50MS/s double sampling pipelined ADC for monolithic active pixels sensor – *CERN-2007-07 326-331*

20th European Cosmic Ray Symposium (ECRS2006), Lisbon, Portugal, 5-8 Sep 2006

M. Buénerd – CHERCAM: a Cherenkov imager for the CREAM experiment – *Proc. Cdrom and online* – Poster

Global 07: “Advanced Nuclear Fuel Cycles and Systems”, Boise, Idaho, USA, 9-13 Sep 2007

G. Granget et al. (**A. Billebaud**) – ECATS: an international experimental program on the reactivity monitoring of Accelerator Driven Systems - Status and progress – *Proc. to be published by American Nuclear Society CDRom*

R. Chambon, P. Guillemin, A. Nuttin, A. Bidaud, N. Capellan, S. David, O. Méplan, J. Wilson – Neutronic study of slightly modified water reactors and application to transition scenarios – *Proc. to be published by American Nuclear Society CDRom*

E. Merle-Lucotte, D. Heuer, C. Le Brun, M. Allibert, V. Ghetta, L. Mathieu, R. Brissot, E. Liatard – The non-moderated TMSR: an efficient actinide burner and a very promising thorium breeder – *Proc. to be published by American Nuclear Society CDRom*

20th European Few Body Conference (EFB 20), Pisa, Italy, 10-14 Sep 2007

V.A. Karmanov, **J. Carbonell, M. Mangin-Brinet** – Electromagnetic form factor via Minkowski and Euclidean Bethe-Salpeter amplitudes – *To appear in Few-Body Systems* – Talk

J. Carbonell – What have we learnt from a relativistic description of a few-nucleon problem? – *To appear in Few-Body Systems* – Invited Talk

F. Buisseret, C. Semay, V. Mathieu, **B. Silvestre-Brac** – Excited string and constituent gluon descriptions of hybrid mesons – *To appear in Few-Body Systems* – Talk

European Nuclear Conference (ENC 2007), Brussels, Belgium, 16-20 Sep 2007

E. Merle-Lucotte, D. Heuer, M. Allibert, V. Ghetta, C. Le Brun, R. Brissot, E. Liatard, L. Mathieu – The thorium molten salt reactor: Launching the thorium cycle while closing the current fuel cycle – *Proc. CDRom (ENS, 2007) 48-53*

E. Merle-Lucotte, R. Brissot – Physics and engineering of nuclear reactors at the “École Nationale Supérieure de Physique de Grenoble” of the “Institut National Polytechnique de Grenoble” – *Proc. CDRom (ENS, 2007)* 9-15

NATO Advanced Study Institute on Materials for Generation IV Nuclear Reactors (MATGEN-IV), Cargèse, France, 24 Sep – 6 Oct 2007

D. Chatain, V. Ghetta – Some aspects of wetting at high temperature – *Proc. of the MATGEN-IV: Materials for Generation IV Nuclear Reactors* (2007) – Invited Talk

J. Fouletier, V. Ghetta – Potentiometric sensors for high temperature liquids – *Proc. of the MATGEN-IV: Materials for Generation IV Nuclear Reactors* (2007) – Invited Talk

E. Merle-Lucotte, D. Heuer, M. Allibert, V. Ghetta, C. Le Brun – Introduction to the physics of molten salt reactors – *Proc. of the MATGEN-IV: Materials for Generation IV Nuclear Reactors* (2007) – Invited Talk

H. Nifenecker – The energy issue and the possible contribution of the various nuclear energy production scenarios – *Proc. of the MATGEN-IV: Materials for Generation IV Nuclear Reactors* (2007) – Invited Talk

10th ICATPP Conference on Astroparticle, Particle, Space Physics, Detectors and Medical Physics Applications, Como, Italy, 8-12 Oct 2007

M. Brinet, A. Barrau, O. Bourrion, J. Bouvier, B. Boyer, M. Buénerd, L. Derome, L. Eraud, R. Foglio, L. Gallin-Martel, A. Putze, Y. Sallaz-Damaz, J.P. Scordilis et al. – CHERCAM: a Cherenkov imager for the CREAM experiment – *To be published by World Scientific* – Talk

13th International Workshop on RF Superconductivity (SRF2007), Beijing, China, 14-19 Oct 2007

T. Cabanel, Y. Gomez-Martínez, D. Marchand, R. Micoud, F. Pancher, D. Tourres, F. Vezzu – SPIRAL 2 coupler preparation and RF conditioning – *Proc. to be published online JACoW*

6th International Workshop on Ring Imaging Cherenkov Counters (RICH2007), Trieste, Italy, 15-20 Oct 2007

Y. Sallaz-Damaz et al. (A. Barrau, O. Bourrion, J. Bouvier, B. Boyer, M. Buénerd, L. Derome, L. Eraud, R. Foglio, L. Gallin-Martel, M. Mangin-Brinet, J.P. Scordilis) – CHERCAM: the Cherenkov imager of CREAM for nuclear cosmic-rays charge measurements – *To appear in Rev. Sci. Instrum A* – Talk

4^e Colloque Interdisciplinaire en Instrumentation, Nancy, France, 17-19 octobre 2007

M. Dahoumane, D. Dzahini, O. Rossetto, J. Bouvier, E. Lagorio, J.Y. Hostachy, Y. Hu, H. Ghazlane, D. Dallet – Conception d’un CAN pipeline de très faible consommation pour capteurs monolithiques à pixels actifs en technologie CMOS dédié aux applications de physique de particules et imageries biomédicales – *Proc. edited by J. Ragot, M. Robert (Hermès Lavoisier, 2007)*

COMSOL Conference, Grenoble, France, 23-24 oct 2007

S. Béchu, T. Than Vinh, A. Lacoste, A. Bès, M. Rayar, J. Pelletier – Dipolar plasma source modeling: a first approach

2007 IEEE Nuclear Science Symposium and Medical Imaging Conference, Honolulu, USA, 27 Oct – 3 Nov 2007

D. Dzahini, M. Dahoumane, E. Lagorio, J.Y. Hostachy, O. Rossetto, H. Ghazlane, J. Bouvier, L. Gallin-Martel, D. Dallet – A 35 mW 12 Bits 25 MS/s Pipelined Analog to Digital Converter – *Proc. to be published by IEEE*

FFAG Workshop '07, KURRI, Osaka, Japan, 5-10 Nov 2007

F. Méot – The RACCAM project

J. Fourier – Beam dynamics studies toward the RACCAM magnet prototyping

Communications sans actes

2nd Meeting: Flavour in the Era of the LHC, Genève, Switzerland, 6-8 Feb 2006

B. Fuks – Determining the SUSY CKM matrix in mixed squark production

Journées de la Physique Théorique, Grenoble, France, 10 février 2006

G. Bozzi – Physique des particules: de la QCD perturbative à la supersymétrie

Rencontres de Physique des Particules, Paris, France, 1^{er}-3 mars 2006

B. Fuks – Determining the SUSY CKM matrix in mixed squark production

Journées de Physique ATLAS France, Autrans, France, 27-29 mars 2006

G. Bozzi – Higgs boson phenomenology at the LHC

F. Chevallier, A. Lleres, A. Lucotte – La production simple du quark Top

Workshop on Resonance Transition between Gravitationally Bound Quantum States of Neutrons, Grenoble, France, 6-7 Apr 2006

R. Arvieu – Comparison between quantum revivals of simple systems

131^e Congrès National des Sociétés Historiques et Scientifiques, Grenoble, France 25-28 avril 2006

A. Barrau – Masse manquante, antimatière et trous noirs: quelques états singuliers de la matière

ILL Millennium Symposium & European User Meeting, Grenoble, France 27-29 Apr 2006

K.V. Protasov – The Granit experiment

G.S. Simpson – Nuclear structure studies of neutron-rich nuclei at the ILL

3rd Meeting: Flavour in the Era of the LHC, Genève, Switzerland, 15-17 May 2006

B. Fuks – SUSY-CKM matrix determinations in SUSY electroweak processes at the LHC

ECT Workshop on Generalized Parton Distributions - The Present Status (GPD2006), Trento, Italy, 15-19 May 2006

M. Mazouz – The DVCS, Deeply Virtual Compton Scattering, experiment on the neutron at JLab-Hall A

Semi-Annual International 2006 FFAG Workshop, Port Jefferson, NY, USA, 15-19 May 2006

F. Méot – Status of tracking codes

F. Méot – Hadron therapy beams from FFAGs and the RACCAM project

F. Méot – FFAG for muon acceleration – Summary of Monday's session

Réseau Plasmas Froids du CNRS – Atelier « Sondes électrostatiques », Sarcenas, France, 14-16 juin 2006

S. Béchu – À quels paramètres plasma peut-on accéder et avec quel type de Sonde? – Invited Talk

LoopFest V: Radiative Corrections for the International Linear Collider: Multi-Loops and Multi-Legs, Menlo Park, California, USA, 19-21 Jun 2006

B. Fuks – Polarization and resummation for slepton-pair hadroproduction

International Workshop on the Dark Side of the Universe, Madrid, Spain, 20-24 Jun 2006

B. Herrmann – NLO calculation of the “EGRET Gamma-Ray Excess” $XX \rightarrow A^0 \rightarrow b\bar{b}$

4th International Workshop on Heavy Quarkonium, BNL, Brookhaven, NY, USA, 27-30 Jun 2006

J.M. Richard – $X(3872)$ as a four-quark state

Kyungzik Kang's Memorial Workshop, Providence, Rhode Island, USA, Jul 2006

J.M. Richard – $X(3872)$ in a chromagnetic model

China-US Symposium on Medium Energy Physics, Beijing, China, 1-4 Aug 2006

E. Voutier – Deeply virtual Compton scattering at JLab
PAC30 Jefferson Laboratory, Newport News, Virginia, USA, 21-25 Aug 2006

J. Roche et al. (M. Mazouz, E. Voutier) – Measurement of the electron-helicity dependent cross sections of deeply virtual Compton scattering with CEBAF at 12GeV

2nd Sino-French Workshop on the Dark Universe, Beijing, China, 28 Aug – 3 Sep 2006

B. Herrmann – NLO SUSY-QCD calculation of the “EGRET Gamma-Ray Excess” $XX \rightarrow A^0 \rightarrow b\bar{b}$

D. Santos – Non-baryonic dark matter: from the CMB measurements and direct detection by axial interaction

Séminaire Daniel Dautreppe: Phénomènes Physiques Ultra Rapides, Grenoble, France, 25-29 sept 2006

S. Kox – Processus ultrarapides en physique subatomique

5^e Journées d'Échange du Réseau Plasmas Froids, Bonasces, France, 3-6 oct 2006

T. V. Tran, S. Béchu, A. Bès, J. Pelletier – Sources dipolaires micro-onde – Invited Talk

L. Latrasse, A. Lacoste, A. Bès, J. Pelletier – Sources plasma micro-onde haute densité distribuées dans une configuration matricielle – Invited Talk

Joint INT/JLab/BNL Workshop on Hard Exclusive Processes at JLab 12 GeV and a Future EIC, College Park, Maryland, USA, 29-30 Oct 2006

E. Voutier – Quasi-free DVCS on the neutron in Hall A
GDR SUSY: Matière Noire, Annecy-le-Vieux, France, 13-14 novembre 2006

B. Herrmann – NLO calculation of the “EGRET Gamma-Ray Excess” $XX \rightarrow A^0 \rightarrow b\bar{b}$

Workshop on Design and Architectures for Signal and Image Processing (DASIP2007), Grenoble, France, 27-29 Nov 2007

F. Bautista, S.O. Martinez, G. Dieck, O. Rossetto – An ultra-low voltage high gain operational transconductance amplifier for biomedical applications – Poster

1st Chinese-French Workshop on LHC Physics and Associated Grid Computing, Beijing, China, 11-16 Dec 2006

M. Klasen – Physics at the TeV scale

Workshop on Precision Measurements at Low Energy, PSI, Villigen, Switzerland, 18-19 Jan 2007

D. Rebreyend, J. Zejma – Towards a new measurement of the neutron EDM. The nEDM project at PSI – Poster

**Rencontres de Physique des Particules,
Grenoble, France, 28 fév – 2 mars 2007**

A. Barrau – Black holes and quantum fields

B. Herrmann – NLO analysis of the “EGRET
gamma-ray signal” $\tilde{\chi}^0\tilde{\chi}^0 \rightarrow A^0 \rightarrow b\bar{b}$

B. Fuks – Flavor-violating squark and gaugino production at hadron colliders

**Rencontres de Moriond: Gravitational Waves
and Experimental Gravity, La Thuile, Italy, 11-
18 Mar 2007**

V.V. Nesvizhevsky, G. Pignol, K.V. Protasov –
Experimental constraints for additional short-range
forces from neutron experiments

Club EDF Traitements de Surface, Paris, France, 13
mars 2007

A. Lacoste, J. Pelletier – Technologies plasma de nouvelle
génération

Réseau Plasmas Froids du CNRS – Atelier
« Élaboration et Contrôle d’un Biomatériau », Le
Mans, France, 19-21 mars 2007

J. Pelletier – De la stérilisation conventionnelle à la
stérilisation plasma – Invited Talk

5th Meeting: Flavour in the Era of the LHC, Genève,
Switzerland, 26-28 Mar 2007

M. Klasen – Summary of the squark working group

**International Symposium on Grid Computing
(ISGC 2007), Taipei, Taiwan, 26-29 Mar 2007**

V. Breton, E. Lançon, F. Malek – LCG-France, the
French Grid Initiative – Status and Perspectives

**Semi-Annual International 2007 FFAG
Workshop, Grenoble, France, 12-17 Apr 2007**

E. Froidefond, B. Autin – Coil shaping magnet design

J. Fourier – Ray-tracing simulations in spiral sector
FFAG magnets using Zgoubi code

F. Lemuet, D. Kelliher, F. Méot, G. Rees – Tracking studies
regarding the electron model 3-5.4463 MeV of a
non-linear, non-scaling, proton driver FFAG 3-10 GeV

J. Pasternak – Spiral FFAG acelerator for cancer therapy

F. Méot – The RACCAM FFAG project 2006-2008

J. Pasternak – Cyclotrons vs FFAG

F. Méot – Comparison of hadrontherapy installation
methods

**8^e Rencontres du Centre de Coopération
Interuniversitaire Franco-Québécoise (CCIFQ),
Strasbourg, France, 10-11 mai 2007**

J. Pelletier – Pluridisciplinarité et coopération franco-
québécoise : l’exemple de la stérilisation plasma
– Invited Talk

**Réunion GDR SUSY, Montpellier, France, 14-16
mai 2007**

B. Fuks – NMFV – the beginning

B. Herrmann – NMFV2 – the return

J. Debove – Gaugino pair production in polarized
hadron collisions

**Japan-France Cooperative Science Program
Seminar on “Materials Processing under
Magnetic Field”, Nancy, France, 20-23 May 2007**

L. Latrasse, T.V. Tran, A. Lacoste, S. Béchu, J. Pelletier
– Multi-dipolar and matrix plasmas : a new line of mi-
crowave reactors for plasma processing – Invited Talk

**GDR ARCHES, Nouan Le Fuzelize, France, 20-
23 mai 2007**

S. Béchu, A. Bès, D. Lemoine, J. Pelletier, M. Bacal
– Production d’ions H⁺ par interaction des surfaces
avec le plasma généré dans le réacteur Camembert III
par résonance cyclotronique électronique distribuée à
2,45 GHz – Talk

**CMS SUSY-BSM Meeting, Geneve, Switerland,
25 May 2007**

S. Kraml – Updated comparison of SUSY spectrum
codes

**Four-Seas conference, Iasi, Romania, 29 May – 3
Jun 2007**

S. Kraml – SUSY theories at LHC – Invited Talk

**International Linear Collider Workshop (LCWS/
ILC 2007), Hamburg, Germany, 30 May – 3 Jun 2007**

M. Anduze, D. Grondin – Mechanical R&D for
CALICE electromagnetic calorimeter – Proceedings
published online (DESY)

**16th International Colloquium on Plasma
Processes, Toulouse, France, 4-8 Jun 2007**

T.V. Tran, S. Béchu, A. Lacoste, J. Pelletier
– Approach of plasma production mechanisms in
microwave dipolar plasma sources – Poster

L. Latrasse, A. Lacoste, J. Pelletier – Determination
by end point detection of resist etching rate in ma-
trix oxygen plasmas – Poster

**L. Latrasse, A. Lacoste, A. Bès, J.C. Sánchez-López,
J. Pelletier** – High rate uniform deposition of SiOCH
and SiNCH films by microwave plasma sources in
matrix configuration – Poster

**Congrès Général 2007 de la Société Française
de Physique (SFP2007), Grenoble, France, 9-13
juillet 2007**

E. Merle-Lucotte – Le concept de TMSR : Réacteurs à
sels fondus en cycle thorium – Invited Talk

K.V. Protasov – Les expériences de précision à la
recherche de la nouvelle physique – Invited Talk

B. Brelier – Recherche du boson de Higgs avec le détecteur ATLAS – Poster

M. Versteegen – L'expérience G0: Contribution des quarks étranges à la structure du nucléon – Poster

M.A. Cagnet – Mesure du rapport alpha, rapport de la section efficace moyenne de capture sur celle de fission de ^{233}U sur la plateforme PEREN – Poster

P. Guillemin – Réacteurs à eaux évolués pour des taux de conversion élevés. Usages industriels et scénarios symbiotiques – Poster

G. Pignol – Etats quantiques du neutron dans le champ de pesanteur – Poster

V. Drach – La physique du nucléon en QCD sur réseau – Poster

B. Herrmann – Effet des corrections d'ordre α pour les processus d'annihilation de neutralinos sur la densité relique de matière noire supersymétrique – Poster

K. Payet – La détection des neutrinos à incidence rasante à l'observatoire Pierre Auger – Poster

C. Rivière – Des antennes radio pour étudier le mystère des rayons cosmiques – Poster

B. Martin Dit Latour – Physique au collisionneur $p\bar{p}$ du Fermilab (expérience D0) – Poster

S. Rocca – La comagnétométrie mercure pour la mesure du moment électrique dipolaire du neutron – Poster

1st Workshop on Directional Detection of Dark Matter (CYGNUS 2007), Boulby, UK, 22-24 Jul 2007

D. Santos – MIMAC. MIMicro-tpc MAtrix of Chambers ($^3\text{He}+\text{CF}_4$). A large TPC for non baryonic dark matter search.

20th Biennial Conference on Magnet Technology (MT20), Philadelphia, Pennsylvania, USA, 27-31 Aug 2007

B. Autin, E. Froidefond – Non-linear field generated by a distribution of conductors in a spiral FFAG – Poster

9th International Workshop on Plasma-Based Ion Implantation & Deposition (PBIID 2007), Leipzig, Germany, 2-6 Sep 2007

A. Lacoste, A. Bès, A. Béchu, J. Pelletier – Surface modification of polymers by plasma-based ion implantation in SF_6 plasmas – Poster

Colloque Physique Atlas France, Seignosse, France, 10-12 septembre 2007

M. Klasen – Introduction théorique à la physique du top

A. Lucotte – Single top in the CSC framework

J. Morel – Recherche de Z' avec ATLAS

7th European Research Conference on Electromagnetic Interactions with Nucleons and Nuclei (EINN 2007), Milos Island, Greece, 10-15 Sep 2007

D. Rebreyend – Electric dipole moment of the neutron – Invited Talk

4th Argonne/INT/MSU/JINA RIA Theory Workshop on Rare Isotopes and Fundamental Symmetries, Seattle, USA, 19-22 Sep 2007

B. Desplanques – Parity-violating nucleon-nucleon interactions: what can we learn from anapole moments? – Invited Talk

24^e Journée Thématique de l'IPNO: la structure du nucléon, Orsay, France, 8 oct 2007

E. Voutier – Mesure des distributions de partons généralisées

Workshop on Quantum Reflection, Cambridge, Massachusetts, USA, 22-24 Oct 2007

G. Pignol – Neutrons, quantum bounds, extra interactions
2007 Plasma Industry Forum, Seoul, Korea, 29 Oct 2007

J. Pelletier – Development of distributed microwave plasma reactors at CRPMN for surface processing applications in industry – Invited Talk

SPIRAL2 Week, Caen, France, 26-30 Nov 2007

Th. Thuillier – Review of innovative ECR ion sources

T. Lamy – Charge booster for Spiral 2

Journée Automobile, St Étienne, France, 6 déc 2007

A. Lacoste, S. Béchu, A. Bès, M. Rayar, J. Pelletier – Traitements de surface par pulvérisation assistée par plasma et implantation ionique par immersion plasma – Poster

Rapports et notes

F. Méot, G. Rees – NuFact muon storage ring: study of a triangle design based on solenoid focusing decay straights – CEA DAPNIA-06-04 – LPSC 06.38

E. Forest, F. Méot – Time integration in the code Zgoubi and external usage of PTC's structures – LPSC 06.39

A. Lucotte, F. Chevallier – Single-top s-channel cross-section measurement and sensitivity to a charged Higgs boson – ATL-PUB-2005-014 – LPSC 06.61

A. Lucotte, A. Lleres, F. Chevallier – Prospects for single top cross-section measurements in ATLAS – ATL-COM-PHYS-2006-057 – LPSC 06.62

A. Baldini et al. (F. Méot) – Beams for european neutrino experiments (BENE) – Midterm scientific report – CERN-2006-005

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