

Contributions SEDI à des congrès/colloques en 2004

10th Vienna Conference on Instrumentation (VCI - 2004), Vienne, Autriche, 16/02/2004 - 21/02/2004

ANDRIAMONJE S., AUNE S. ; DELAGNES E. ; FERRER RIBAS E. ; GIOMATARIS I. ; et al.
A low background micromegas detector for axion searches.
Ed. : Elsevier ; Proc. in Nuclear Instruments and Methods in Physics Research A, Vol. 535 N. 01-févr (2004) 309-313.

COLAS P., GIOMATARIS I. ; LEPELTIER V. ; RONAN M.
First tests of a micromegas TPC in a magnetic field.
Ed. : Elsevier Science Publishers - North Holland C. ; Proc. in Nuclear Instruments and Methods in Physics Research A, Vol. 535 N. 01-févr (2004) 181-185.

COLAS P., COLIJN A.P. ; FORNAINI A. ; GIOMATARIS I. ; VAN DER GRAAF H. ; HEIJNE E. ; LLOPART X. ; SCHMITZ J. ; TIMMERMANS J. ; VISSCHERS J.L.
The readout of a GEM- or micromegas-equipped TPC by means of the Medipix2 CMOS sensor as direct anode.
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COLAS P., GIOMATARIS I. ; LEPELTIER V.
Ion backflow in the Micromegas TPC for the future linear collider.
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Status report on high-pressure TPC.
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DI STEFANO P., CHARDIN G. ; CHARVIN P. ; FESQUET M. ; FIORUCCI S. ; GERBIER G. ; GROS M. ; MALLET J. ; MOSCA L. ; NAVICK X.F. ; VILLAR V. ; et al.
EDELWEISS dark matter search update.
Proc. in New Astronomy Reviews, Vol. 49 N. 02-juin (2005) 251-254.

11th International Conference on Calorimetry in High Energy Physics (CALOR - 2004), Perugia, Italie, 29/03/2004 - 02/04/2004

NAVICK X.F. (Oral Talk)
Edelweiss Ge cryogenic detectors : main performances and physics results.

International Conference on recent advances in particle and astroparticle physics, Chios, Greece, 01/04/2004 – 03/04/2004

GIOMATARIS I.
NOSTOS experiment and detection of low energy recoils

SPIE Defense and Security Symposium - Conference on Independent Component Analyses, Wavelets, Unsupervised Smart Sensors Neural Networks II), Orlando, Etats-unis, 14/04/2004 - 15/04/2004

AFEYAN B., WON K. ; BISSON S. ; STARCK J.L
Wavelets and curvelets in denoising and pattern detection tasks crucial for homeland security.

European Geosciences Union . 1st General Assembly (EGU - 2004), Nice, France, 25/04/2004 - 30/04/2004

KESTENER P., ARNEODO A.
A multifractal formalism for vector-valued random fields based on wavelet analysis: application to turbulent velocity and vorticity 3D numerical data.
Proc. in Stochastic Environmental Research and Risk Assessment.

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CAMPBELL M., CHEFDEVILLE M. ; COLAS P. ; GIOMATARIS I. ; et al.
An integrated readout system for drift chambers: the application of monolithic CMOS pixel sensors as segmented direct anode.
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GIOMATARIS I. (Plenary talk)
The NOSTOS project.

4ème Semaine de l'Astrophysique Française (SF2A) - 2004, Paris, France, 14/06/2004 - 18/06/2004

TURCK-CHIEZE S., GARCIA R.A. ; CARTON P. ; BALLOT J. ; BARRIERE J.C. ; DESFORGES D. ; DELBART A. ; GRANELLI R. ; MATHUR S. ; NUNIO F. ; PIRET Y. ; et al.
The GOLF new generation spectrometer dedicated to the solar internal dynamics

Conference on Physics at LHC - 2004, Vienne, Autriche, 13/07/2004 - 17/07/2004

GRAS P. (Poster)
Study of the observability of an MSSM Higgs boson in the four-b final state with the CMS detector.
Proc. (2005).

IEEE Nuclear and Space Radiation Effects Conference (NSREC - 2004), Atlanta, Etats-unis, 19/07/2004 - 23/07/2004

CLARET A., LIMOUSIN O. ; LUGIEZ F. ; LAURENT P. ; RENAUD M.
Particle effects on the ISGRI instrument on-board the INTEGRAL satellite
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A wavelet-based method for multifractal analysis of 3D vector-valued random fields : application to turbulent velocity and vorticity 3D numerical data.

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Royaume-uni, 25/07/2004 - 29/07/2004**

FORNAINI A., CHEFDEVILLE M. ; COLAS P. ; GIOMATARIS I. ; et al.

The detection of single electrons using a Micromegas gas amplification and a MediPix2 CMOS pixel readout.

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ANDRIAMONJE S., AUNE S. ; FERRER RIBAS E. ; GIOMATARIS I. ; IRASTORZA I.G. ; et al.

First results from the CERN axion solar telescope (CAST).

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France, 06/09/2004 - 10/09/2004**

DELARBRE J.C., NGUYEN M.K. ; TRUONG T.T. ; STARCK J.L.

Modelling and simulation for scattered gamma-ray imaging.

**4th International Conference on Exotic Nuclei and Atomic Masses (ENAM - 2004), Pine
Mountain (Georgia), Etats-unis, 12/09/2004 - 16/09/2004**

POLLACCO E., ATKIN E. ; BARON P. ; DROUART A. ; DRUILLLOLE F. ; GILLIBERT A. ; LAPOUX V. ; LUGIEZ F. ; NALPAS L. ; PAUL B. ; ROUGER M. ; SKAZA F. ; et al

MUST2: A new generation array for direct reaction studies.

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ALEMANY R., DEJARDIN M. ; FAURE J.L. ; GACHELIN O. ; GRAS P. ; MANDJAVIDZE I. ; MUR M. ; VERRECCHIA P. ; et Al.

Overview of the ECAL off-detector electronics of the CMS experiment.

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Neutron imaging with a Micromegas detector.

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Independent component separation from incomplete spherical data using wavelets. Application to
CMB data analysis.
Proc. (2005) 23-28.

International Linear Collider Workshop (LCWS - 2005), Stanford, Etats-unis, 18/03/2005 - 22/03/2005

BELLERIVE A., COLAS P. ; GIGANON A. ; GIOMATARIS I. ; et al.
Spatial resolution of a micromegas-TPC using the charge dispersion signal.

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Systèmes microélectroniques bas bruit pour la mesure nucléaire.
Proc. (2005) 52p.

Next Generation of Nucleon Decay and Neutrino Detectors(NNN05) 07/04/2005 – 09/04/2005, Aussois, Savoie, France

GIOMATARIS I.
Large TPCs for low energy rare event detection

Workshop on Interdisciplinary Aspects of Turbulence, 18/04/2005 – 22/04/2005

KESTENER P., ARNEODO. A.
A multifractal formalism to vector-valued random fields based on wavelet analysis : application to
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NOSTOS a novel neutrino experiment.

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DELAGNES E. (cours)
Circuits intégrés pour la mesure du temps.
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10th International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT - 2005), Zeuthen, Allemagne, 22/05/2005 - 27/05/2005

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14th IEEE-NPSS Real Time Conference (RT - 2005), Stockholm, Suède, 04/06/2005 - 10/06/2005

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FPGA-based system-on-chip designs for real-time applications in particle physics.
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A review of technologies for the transport of digital data in recent physics experiments.
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Design and status of COMPASS FAST-RICH.
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DELAGNES E.
IDeF-X V1.0: A new 16-channel low-noise analog front-end for Cd(Zn)Te detectors.
Proc. in Nuclear Instruments and Methods in Physics Research A-Accelerators, Spectrometers,
Detectors and Associated Equipment, Vol. 567 N. 1 (2006) 140-144.

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H. ; FESQUET M. ; JIN Y.
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Statistiques direction-multipôle pour la séparation de composantes dans le fonds de rayonnement cosmologique.

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