



Extrait du Laboratoire Leprince-Ringuet

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# Publications

- Activités Techniques - Informatique -

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Laboratoire Leprince-Ringuet

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## Publications par les membres du Service Informatique

### 2014

- **Multi-Level Multi-Domain Algorithm Implementation For Two-Dimensional Multiscale Particle In Cell Simulations.** A. Beck, M. E. Innocenti, G. Lapenta, S. Markidis. *J. Comp. Phys.* (2014), 10.1016/j.jcp.2013.12.016.

### 2013

- **Acquisition and control command system for power pulsed detectors.** R. Cornat, F. Gastaldi, F. Magniette. *Journal of Instrumentation Volume 9 (JINST 9)*, 2013 doi:10.1088/1748-0221/9/01/C01030.
- **Physical processes at work in sub-30fs, PW laser pulse-driven plasma accelerators : Towards GeV electron acceleration experiments at CILEX facility.** A. Beck, S. Y. Kalmykov, X. Davoine, A. Lifschitz, B. A. Shadwick, V. Malka, and A. Specka. *Nucl. Instrum. Methods in Phys. Res. A* (2013), 10.1016/j.nima.2013.11.003.
- **CMS computing operations during run 1.** J. Adelman et al. *Published in J.Phys.Conf.Ser.* 513 (2014) 032040

### 2012

- **Performance studies and improvements of CMS distributed data transfers.** D. Bonacorsi (INFN, Bologna & Bologna U.), J. Flix (PIC, Bellaterra & Madrid, CIEMAT), R. Kaselis (CERN), J. Letts (UC, San Diego), N. Magini (CERN), A. Sartirana (Ecole Polytechnique). *J.Phys.Conf.Ser.* 396 (2012) 032040.
- **CMS Data transfer operations after the first years of LHC collisions.** Rapolas Kaselis (Vilnius U.), S. Piperov (Sofiya, Inst. Nucl. Res.), N. Magini (CERN), J. Flix (PIC, Bellaterra & Madrid, CIEMAT), O. Gutsche (Fermilab), P. Kreuzer (Aachen, Tech. Hochsch.), M. Yang (MIT), S. Liu (Fermilab), N. Ratnikova (Karlsruhe, Forschungszentrum), A. Sartirana (Ecole Polytechnique). *Published in J.Phys.Conf.Ser.* 396 (2012) 042033.
- **No file left behind - monitoring transfer latencies in PhEDEx.** T. Chwalek et al. *Published in J.Phys.Conf.Ser.* 396 (2012) 032089.

### 2011

- **Emulating the CMS Level-1 Electromagnetic Trigger Response Using an Offline Database. Procedure for Populating This Database From the Online Information.** E. Becheva, F. Cavallari, P. Paganini, L.J. Antonelli, S.P. Lynch, P. Musella. *IEEE Trans. Nucl. Sci.* 58 (2011) 1820
- **Improving CMS data transfers among its distributed computing facilities.** J. Flix (PIC, Bellaterra & Madrid, CIEMAT), N. Magini (CERN), A. Sartirana (Ecole Polytechnique). *J.Phys.Conf.Ser.* 331 (2011) 052013.

### 2010

- **Distributed analysis in CMS.** Alessandra Fanfani et al. FERMILAB-PUB-10-088-CD-CMS, Mar 20, 2010. (Published Jun 2010). 21pp.

Published in J.Grid Comput.8:159-179,2010.

- **The CMS experiment workflows on StoRM based storage at Tier-1 and Tier-2 centers.** D. Bonacorsi, (Bologna U. & INFN, Bologna) , I. Cabrillo Bartolome, (Cantabria Inst. of Phys.) , I. Gonzalez Caballero, (Oviedo U.) , F. Matorras, (Cantabria Inst. of Phys.) , A. Sartirana, (Ecole Polytechnique). 2010. 6pp.  
Prepared for 17th International Conference on Computing in High Energy and Nuclear Physics (CHEP 09), Prague, Czech Republic, 21-27 Mar 2009.  
Published in J.Phys.Conf.Ser.219:072027,2010.
- **Use of the gLite-WMS in CMS for production and analysis.** <http://www.slac.stanford.edu/spires...> Codispoti et al. 2010. 8pp. Prepared for 17th International Conference on Computing in High Energy and Nuclear Physics (CHEP 09), Prague, Czech Republic, 21-27 Mar 2009. Published in J.Phys.Conf.Ser.219:062007,2010.
- **On enhancing GridFTP and GPFS performances.** <http://www.slac.stanford.edu/spires...> Cavalli et al. 2010. 10pp. Prepared for 17th International Conference on Computing in High Energy and Nuclear Physics (CHEP 09), Prague, Czech Republic, 21-27 Mar 2009. Published in J.Phys.Conf.Ser.219:052024,2010.
- **Grid Computing Operations for the CMS Experiment at the GRIF Tier-2 Site.** Data Driven e-Science 2011, pp 347-356. Sartirana et al. ISGC2010 Proceedings.