Curriculum Vitae
Dimitrios Sampsonidis

Name	Sampsonidis Dimitrios
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Education

1985 Diploma in Physics, Aristotle University of Thessaloniki,
1995 Ph.D. in Physics, Aristotle University of Thessaloniki,

Employment:

2009-	Assistant Professor, Aristotle University of Thessaloniki, Greece
2005 - 2009	Lecturer, Aristotle University of Thessaloniki, Greece
1996 - 2005	Research Associate, Aristotle University of Thessaloniki, Greece

Research Interests

Experimental Particle Physics, Detector Physics, Distributed Analysis (Grid)

Research Activities

Participation in the ATLAS experiment at CERN (1996-)

- (2008-) Studies of the B^+->Jpsi K^+ channel, B-Physics Working Group.
- (2007-) Participation in the R&D project MAMMA (Muon Atlas MicroMegas Activity) for the development of muon detectors for the Super LHC environment.
- (2007-08) Development of a graphical user interface for distributed analysis (AIDA). The developed software is user friendly and runs under any operational system (Linux and windows).
- (2006-07) Studies of the channel ZZ ->4l in the Dibosons group of the Standard Model Working Group, for the ATLAS Dibosons CSC note. Specifically, muon and electron efficiency and fake rates studies as a function of eta, phi and DR.
- 1998-2004 Construction and test of the BIS muon chambers for the ATLAS muon spectrometer. Chamber production responsible at the University of Thessaloniki.
- 1998 Development of the online monitoring system for muon chambers at alignment test setup (ATLAS DATCHA) at CERN.
- 1996 Development of Data Acquisition for the CSC muon detectors at the M1 test beam at CERN.
- (1998-2001) Studies of trilinear gauge boson couplings at energies from 130 to 189 GeV, at LEP (Delphi experiment at CERN).
- (1987-1996) Heavy Ion reactions at energy range of few GeV/n. Development of a fully automatic image analysis microscope system for high statistics measurements on solid state nuclear track detectors. Total and partial cross sections of heavy ions on various targets.

Teaching

Undergraduate Courses: Nuclear and Particle Physics, Accelerator Physics, Nuclear Physics Lab, Atomic Physics Lab.
Postgraduate Courses: Computational Particle Physics

Advisor Experience
Supervisor six diploma thesis
Member of the supervising committees for four PhD

Publications
125 published papers.
http://www.slac.stanford.edu/spires/find/hep/www?rawcmd=fin+a+Sampsonidis,+D.
Five important publications

1. **Early ATLAS B-physics with the first 10 - 100 pb^{-1}.** Dimitrios Sampsonidis, Proceedings of Science, PoS(BEAUTY 2009)030 .
2. **Development of large size Micromegas detector for the upgrade of the ATLAS muon system,** T. Alexopoulos et al. 2010. 5pp. Prepared for 11th Pisa Meeting on Advanced Detectors: Frontier Detectors for Frontier Physics, La Biodola, Isola d'Elba, Italy, 24-30 May 2009. *Nucl.Instrum.Meth.A617:161-165,2010.*
3. **The construction and the quality assurance–quality control of the 112 MDT-Barrel Inner Small precision chambers of the ATLAS Muon Spectrometer**
   K. Bachas, K. Bouzakis, A. Krepouri, A. Liolios, Ch. Petridou, D. Sampsonidis, I. Tsiafis, Ch. Valderanis and J. Wotschack *Nuclear Instruments and Methods in Physics Research Section A,*, *Volume 581, Issues 1-2*, *21 October 2007*, *Pages 198-201*
4. **Study of the response of the ATLAS Monitored Drift Tubes to heavily ionizing particles and of their performance with cosmic rays**
   D. Sampsonidis, A. Krepouri, Ch. Petridou, M. Manolopoulou, A. Liolios and S. Dedousis, *Nuclear Instruments and Methods in Physics Research Section A*, *Vol 535, Issues 1-2*, *11 December 2004*, *Pages 260-264.*
5. **Fragmentation cross sections of ^{32}S, ^{24}Mg and ^{16}O projectiles at 3.65 GeV/nucleon.**
   D.Sampsonidis, E.Papanastasiou, M.Zamani, M.Debeauvais, J.C.Adloff, B.A.Kulakov, M.I.Krivopustov and V.S.Butsev, *Phys. Rev.C, Vol 51, (1995), 3304.*