

PIERRE AGOSTINI

Professor of Physics
Department of Physics
Ohio State University
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RESEARCH INTEREST

Laser-matter interaction, multiphoton processes, electron correlation in multiphoton processes, high harmonic generation, generation of femtosecond and sub-femtosecond XUV pulses.

EDUCATION

Prytanée Militaire La Flèche, Baccalauréat Mathématiques Élémentaires, 1959
Université Aix-Marseille, Licence d'Enseignement en Physique, 1961
Université Aix-Marseille, Diplôme d'Etudes Approfondies, 1962
Université Aix-Marseille, Doctorat d'Université d' Aix-Marseille, 1968
Centre d'Etudes de Saclay, Assoc. Researcher, 1969

PROFESSIONAL EMPLOYMENT

Professor of Physics, The Ohio State University, 2005/present
Humboldt Fellow, Max Born Institute, Berlin, 2004/2005
Joop Los Fellow, FOM Amsterdam, 2003/2004
Visiting Scientist, BNL, 2003/2004
Visiting Professor, Université Laval Physics Department, 2002/2003
Visiting Scientist, BNL, 2002
Scientific Advisor, CEA Saclay/DSM 2002
Director of Research, CEA Saclay/DRECAM/SPAM, 1999/2002
Expert Senior, CEA Saclay/DRECAM/SPAM, 1996/1999
Visiting Scientist, FOM Amsterdam, 1996/1997
Researcher, CEA Saclay, 1977/1996
Visiting Assistant Professor, University of Southern California, 1976/1977
Researcher, CEA Saclay, 1969/1976

AWARDS

2007 OSA Williams F. Megers Award
2003 Joop Los Award (FOM Netherlands)

2003 Humboldt Fellow (MBI Germany)

1995 Prix Gustave Ribaud de l'Académie des Sciences (discovery of above-threshold ionization)

SYNERGETIC ACTIVITIES

EEC programs for training and mobility.

Member Editorial Board J. Phys. B: At. Mol. Opt. Phys. 1990-1994

Member International Committee for the evaluation of Physics in Latvia 1992.

Permanent invited member Steering Committee of the European Science Foundation Program "FEMTO" 1999-2004.

COLLABORATORS (LAST 4 YEARS):

Ph. Balcou (ENSTA, EC Polytechnique, France), W. Becker (Max Born Inst., Berlin), D. Charalambidis (FORTH IESL, Germany), S. L. Chin (Université Laval, Canada), E. Constant (CNRS CELIA, France), L. F. DiMauro, BNL, USA), M. Fedorov (Moscow State University, Russia), K. C. Kulander (LLNL, USA), A. L'Huillier (Lund Laser Center, Sweden), E. Mével (CNRS CELIA, France), H. G. Muller (FOM, NL), G. G. Paulus (TAMU, USA), P. Salières (CEA, France), M. Vrakking (FOM, NL), D. Zaretsky (Kurchatov Inst, Russia)

GRADUATE AND POSTDOCTORAL ADVISOR:

Prof. Chantrel (Faculté des Sciences de Marseille, France: retired)

Prof. Bousquet (Faculté des Sciences de Marseille, France: retired)

POSTDOCTORAL (UNDERLINE) SPONSOR AND GRADUATE STUDENT (9 TOTAL) ADVISOR (LAST 5 YEARS):

Paul Ben Soussan (1970-1975) co-advisor. (CEA, France)

Françoise Fabre (1979-1982), Univ. Paris-VI, co-advisor, (CEA France)

Eric Mével (1990-1993, Univ. Paris-VI, co-advisor (Prof. Univ. Bordeaux)

Abdallah Bouhal (1994-1998, Univ. Paris-VI, advisor (Physics, Ecole Central, Paris)

Pierre Marie Paul (1998-2001), Univ. Paris-VI, co-advisor (Engineer Amplitude Corp. France)

J. Schins (NL) on European TMR contract. (1991-1993) (Prof. at Twente, NL)

S. Popruzhenko (Ru) on INTAS 99-450 and ESF 2001 contracts. (Ass. Prof. Moscow Univ.)

D. Garzella (1999-2001) (Researcher, CEA)

Anna Sanpera (1998-1999) (Ass. Prof. Hannover)

CONTRACTS:

ESF programme "FEMTO" 1999-2002.

TMR EEC network Generation and Applications of Ultrashort Xray Pulses 1996-2000.

HCM EEC network Generation and Application of Ultrashort Xray Pulses 1993-1996 CHR.

EEC individual postdoctoral fellowship Nonlinear Xray Processes (Dr J. Schins) 1993-1995.

NATO Collaborative Research Grant Correlation effects in MPI 1991-1993 and 1993-1996.
Opération Atoms in Superintense laser fields EEC program "Science" 1989-1993 SC1-0103C.

PUBLICATIONS:

About 120 publications in referred journals.
More than 120 invited talks at international conferences.