

Curriculum Vitae

Noël DUBRAY

Born: 18/11/1979 in Nîmes (France)

Status: Single

Citizenship: French

Professional Address:

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Education:

2002-2005:

Ph.-D. Thesis at the Institut de Recherches Subatomiques, Strasbourg, France.

Thesis Supervisor: Professor Jerzy Dudek.

2002:

Master Degree in Subatomics Physics, University of Strasbourg

Diploma Supervisor: Professor Jerzy Dudek

1999-2002:

Engineer Diploma from the École Nationale Supérieure de Physique de Strasbourg.

Computer Skills:

Programmation: C, C++, Fortran, Perl, Bash, Python, UML, ASM x86

Internet: PHP, MySQL, (X)HTML/CSS, Apache, Postfix

Operating systems: Linux (debian), Unix (AIX), Windows (2k,NT,XP)

Libraries: Qt, GTK+, OpenGL, SDL, MPI, OpenMP

Scientific applications: Matlab, Mathematica, Scilab, GNUplot, xmgrace, GSharp

Other applications: L^AT_EX, Xfig, POV-Ray, Gimp, Blender, MS. Word, Access, Excel, Powerpoint

Languages:

French: native language

English: 840 (working proficiency) Score at TOEIC test (2001)

German: reading and speaking, Japanese: beginner (200h)

References:

Prof. Jerzy Dudek

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Prof. Adam Maj

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Scientific Publications:

1. *Structure properties of ^{226}Th and $^{256,258,260}\text{Fm}$ fission fragments: Mean-field analysis with the Gogny force*
N. Dubray, H. Goutte, and J.-P. Delaroche;
Phys. Rev. **C77**, 014310 (2008).
2. *Extended investigation of superdeformed bands in $^{151,152}\text{Tb}$ nuclei*
J. Robin, et. al.;
Phys. Rev. **C77**, 014308 (2008).
3. *Island of Rare Earth Nuclei with Tetrahedral and Octahedral Symmetries: Possible Experimental Evidence*
J. Dudek, D. Curien, N. Dubray, J. Dobaczewski, V. Pangon and P. Olbratowski;
Phys. Rev. Lett. **97** 072501 (2006).
4. *Probing Nuclear Shapes Close to the Fission Limit with the Giant Dipole Resonance in ^{216}Rn ,*
M. Kmiecik, et. al.;
Phys. Rev. **C70**, 064317 (2004).
5. *Hyperdeformed and Megadeformed Nuclei - Lessons from the Slow Progress and Emerging New Strategies,*
J. Dudek, K. Pomorski, N. Schunck and N. Dubray;
E. Phys. Journal **A20** (1) (2004).
6. *Evidence for the Jacobi Shape Transition in Hot ^{46}Ti ,*
A. Maj, et. al.;
Nucl. Phys. **A731** 319 (2004).

Proceedings:

1. *Fission fragment properties at scission with the Gogny force*
N. Dubray, H. Goutte, J.-F. Berger and J.-P. Delaroche;
To be published in Int. J. Mod. E (2007).
2. *Microscopic Description of Scission Configurations*
N. Dubray, H. Goutte and J.-F. Berger;
AIP Conference Proceedings **891** 409 (2007).
3. *Nuclei with tetrahedral symmetry*
J. Dudek, J. Dobaczewski, **N. Dubray**, A. Gozdz, V. Pangon and N. Schunck;
Int. J. Mod. Phys. **E16** 516 (2007).
4. *Search for the Nuclear Hyper-Deformation: Motivations and New Strategies;*
J. Dudek, N. Schunck and **N. Dubray**;
Acta Phys. Polonica **B36** 975 (2005).
5. *Exotic Nuclear Shapes: Today and Tomorrow;*
J. Dudek, N. Schunck, **N. Dubray** and A. Gózdź;
Int. J. Mod. Phys. **E14** 389 (2005).
6. *Exotic Deformations in the Actinide Region;*
K. Mazurek, **N. Dubray**, J. Dudek and N. Schunck;
Int. J. Mod. Phys. **E14** 542 (2005).
7. *Statistical Description of the Thermal Shape Fluctuations Using Realistic Microscopic and Macroscopic Models;*
N. Dubray, J. Dudek and A. Maj;
Acta Phys. Polonica **B36** 1161 (2005).
8. *The Problem of Universality of Nuclear Mean-Field Parametrisation;*
N. Dubray, J. Dudek and N. Schunck;
Int. J. Mod. Phys. **E14** 493 (2005).
9. *Giant Dipole Resonance Feeding of the Highly-Deformed Band in ^{42}Ca ,*
M. Kmiecik, et. al.;
Acta Phys. Pol. **B36** 1169 (2005),
nucl-ex/0412046.
10. *A Study of the Jacobi Shape Transition in Light, Fast Rotating Nuclei with the EUROBALL IV, HECTOR and EUCLIDES Arrays,*
A. Maj, et. al.;
AIP Conference Proceedings **701** 104 (2004).

Workshops and Conferences:

1. Workshop GEDEPEON, Bordeaux, France (06/2007) (Presentation)
2. Seminar "visite des centraliens", Bruyères-le-châtel, France (06/2007) (Presentation)
3. Physics school, Les Houches, France (05/2007)
4. Seminar "Point sur", Bruyères-le-châtel, France (04/2007) (Presentation)
5. Journées thématiques du CCRT, Bruyères-le-châtel, France (02/2007) (Presentation)
6. Présentation du mur d'images, Bruyères-le-châtel, France (12/2006)
7. Formation CCRT à l'utilisation de la bibliothèque MPI, Saclay, France (11/2006)
8. Assemblée Générale des Théoriciens, Strasbourg, France (10/2006) (Presentation)
9. École Joliot-Curie 2006, Maubuisson, France (09/2006) (Presentation)
10. Tours Symposium 2006, Tours, France (09/2006) (Presentation)
11. Invited seminar, CEA-DAM, France (06/2005) (Presentation)
12. Rencontres Jeunes Chercheurs, Aussois, France (12/2004) (Presentation)
13. Zakopane School of Physics, Zakopane, Poland (09/2004) (Presentation)
14. 11th Nuclear Physics Workshop, Kazimierz, Poland (09/2004) (Presentation)
15. International Symposium on Nuclear Physics around the Coulomb Barrier, IReS, Strasbourg, France (09/2004)
16. 3ème Workshop de Physique Théorique, IReS, Strasbourg, France (12/2003)
17. Workshop on Nuclear Mean-Field, Trento, Italy (09/2003) (Presentation)
18. 10th Nuclear Physics Workshop, Kazimierz, Poland (09/2003)
19. 9th Nuclear Physics Workshop, Kazimierz, Poland (09/2002)
20. 8th Nuclear Physics Workshop, Kazimierz, Poland (09/2001)