

# Dr Guillaume Therin

<b>Date of birth:</b>	<b>2<sup>nd</sup> November 1979</b>	<b>Email:</b>	<a href="mailto:Guillaume.Therin@guydegnol.net">Guillaume.Therin@guydegnol.net</a>
<b>Nationality:</b>	<b>French</b>	<b>WebSite:</b>	<a href="http://www.guydegnol.net">www.guydegnol.net</a>
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## SKILLS

Programming Applications	C++, ROOT libraries, perl, PHP, MYSQL, html, fortran, PAW, LATEX, JavaScript, Java
OS	MS Office, Open Office, 3D Max, Flex PDE
Mathematics	Unix, Linux, Windows, Mac OSX
Languages	Probability, Statistics, Monte Carlo simulation, Stochastic calculus, Likelihood estimation
	French mother tongue, fluent English, basic Spanish

## EDUCATION

Sep 02–Jun 05	PhD in Particle Physics, Laboratoire de Physique Nucleaire de Haute Energie, Paris
Dec 03	Object-orientated Programming course, SLAC, California
Oct 02	C++ course, College de France, Paris
May 02	IT course, Introduction to Object-orientated Programming, C++, LAL, Orsay
Sep 99–Jun 02	Magistere (Advanced Diploma) in Physics, University of Paris VII
Sep 01–Jun 02	DEA (Advanced Diploma) in Fields, Particles, Matter, Universities of Paris VI, VII XI
Sep 00–Jun 01	MSc in Fundamental Physics, University of Paris VII
Jun-Aug 00	Implementation of a Fisher algorithm to purify a sample of $\pi^0$ , LPNHE, Paris
Sep 97–Jun 00	BSc in Fundamental Physics, University of Paris VII
99	Passed entrance for Ecoles Nationales Superieurs d'Ingenieurs
97	Science Baccalauréat, Physics and Chemistry options, Lycée Fénelon, Grasse

## INTERESTS

Sports	Football, rollerblading and jogging
Computing	Websites, home networking, code experimentation
Reading	Dostoyevsky, Houellebecq, R. Gary
Music	Prodigy, The Strokes, Chemical Brothers, Portishead, Franz Ferdinand, Muse

## PUBLICATIONS

Jun 05	<i>sin(2<math>\beta</math> + <math>\gamma</math>) Measurements</i> Guillaume Therin for the BaBar collaboration <a href="http://www.slac.stanford.edu/cgi-wrap/getdoc/slac-pub-11297.pdf">http://www.slac.stanford.edu/cgi-wrap/getdoc/slac-pub-11297.pdf</a>
Jul 05	<i>Measurement of CP asymmetries for the decays <math>B_{\pm} \rightarrow D_{CP}K^{*\pm}</math></i> B. Aubert et al. [BaBar collaboration] <a href="http://www.arxiv.org/abs/hep-ex/0507002">http://www.arxiv.org/abs/hep-ex/0507002</a> (Phys.Rev. D72, 71103 )
Jul 05	<i>A study of <math>b \rightarrow c</math> and <math>b \rightarrow u</math> interference in the decay <math>B^- \rightarrow (K^+ \pi^-)DK^{*-}</math></i> B. Aubert et al. [BaBar collaboration] <a href="http://www.arxiv.org/abs/hep-ex/0508001">http://www.arxiv.org/abs/hep-ex/0508001</a> (Phys.Rev. D72, 71104 )
Apr 06	<i>Measurement of the <math>B^- \rightarrow D^0 K^{*-}</math> branching fraction</i> B. Aubert et al. [BaBar collaboration] <a href="http://www.arxiv.org/abs/hep-ex/0604017">http://www.arxiv.org/abs/hep-ex/0604017</a>

## CONFERENCES

Nov 05	Guest Speaker, presentation of the last measurements of $\gamma$ with the BaBar detector Seminar at Ecole Polytechnique Federale de Lausanne, Switzerland
Apr 05	Speaker, presentation of GLW results on $B_{\pm} \rightarrow D_{CP}K^{*\pm}$ decays American Physical Society, Florida, United States
Mar 05	Guest speaker, presentation of BaBar and Belle's results on the measurement of $\sin(2\beta + \gamma)$ Electroweak Interactions and Unified Theories, Moriond, Italy
Nov04	Speaker, presentation of the GLW analysis on $B_{\pm} \rightarrow D_{CP}K^{*\pm}$ decays Young Researchers Course, Berder, France

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## TUTORING AND WORK EXPERIENCE

May 05-Jun 05 Tutoring two undergraduates students, University of Paris VI

Sep 02-Jun 03 Physics Tutor, Ecoles Nationales Supérieures d'Ingénieurs Entrance Exam, Uni. of Paris VII

Sep 02-Jun 03 Thermodynamics Tutor, University of Paris VII

Sep 01-Jun 02 Tutor, Undergraduate Physics, University of Paris VII

May 01-Jul 01 MSc infographics, Saint-Louis-Créations, Paris

Sep 99-Jun 01 Chemistry and maths tutoring for secondary school students

## REFEREES

Professor Jacques Chauveau

Laboratoire de Physique Nucléaire et des Hautes Energies, University of Paris VI, [chauveau@in2p3.fr](mailto:chauveau@in2p3.fr)

Doctor Malcom John

CERN, European Organization for Nuclear Research, [Malcolm.John@cern.ch](mailto:Malcolm.John@cern.ch)