CHARLES PLAGER – RÉSUMÉ

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EDUCATION	**Ph.D. Physics**	**January 2003**
	University of Illinois, Urbana-Champaign	
	M.S. Physics	**May 1995**
	University of Illinois, Urbana-Champaign	
	B.S. Math, Physics, and Psychology	**May 1992**
	University of Illinois, Urbana-Champaign	

AWARDS

2008 URA Visiting Scholars Fellowship.

2002 Giulio Ascoli Award for Demonstrating Excellence and Originality in the Study of High Energy Physics.

POSITIONS

Staff Physicist/Guest Scientist   **November 2008 – Present**
University of California, Los Angeles and Fermi National Accelerator Laboratory

Postdoctoral Research Associate   **January 2003 – October 2008**
University of California, Los Angeles

Research Assistant   **July 1997 – January 2003**
University of Illinois

Teacher   **July 1995 – June 1997**
Peace Corps - Central Africa
    University of Dschang, Cameroon, Africa,   June 1996 – June 1997
    Lycée de Mobaye, Central African Republic, Africa,   September 1995 – May 1996

Teaching Assistant   **August 1992 – June 1995**
University of Illinois

EXPERIENCE

Research and Analysis: Designed, implemented, and published several novel high energy physics analyses leading to multiple world-best results. Created new and improved existing statistical methods for analyzing data in particle physics, including Feldman-Cousins, Best Linear Unbiased Estimators (B.L.U.E.), maximum likelihood fitting techniques incorporating non-linear effects, and template morphing. Extensive experience using Monte Carlo methods. Demonstrated quantitative and analytical skills mining very low signal to noise results from large (> 1 PB/year) samples.

Leadership: Headed largest subgroup ($\sim$50 people) of CDF research for 18 months, leading successful efforts to increase both quality and speed of bringing research to fruition. Assembled and managed several smaller teams ($\sim$10 people) for specific analyses. Supervised numerous graduate and undergraduate students on both physics research and other support projects. Proven ability to communicate complicated topics to non-experts. Given several seminars and colloquia to many US and international audiences.

Collaborative Projects: Designed elog system used by over 50 people. Created new document server and coordinated adoption across collaboration of over 700 researchers within 3 months. Co-designed curriculum and software tools for several analysis workshops. Designed analysis frameworks for CDF's largest research group. Implemented framework for massive computing parallelization of analysis.

COMPUTER SKILLS

Languages: Strong knowledge of C++, Python, Root, and Perl. Past experience with C, FORTRAN, AHDL, Mathematica, and Latex.

Platforms: UNIX, Linux, Microsoft Windows (including Cygwin), and MacOS.

Web: Extensive experience with HTML and CGI scripting.

LANGUAGES

Fluent in English and French

CITIZENSHIP

U.S.

Complete CV available at http://Charles.Plager.Net/CharlesPlagerCV.pdf