



Ezequiel Alvarez

PhD in Theoretical Physics

May 1976, Argentina

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About me

I am passionate about finding out how the Universe behaves Beyond the Standard Model. As most of HEP physicists, one of my major concerns is how the Dark Matter puzzle is solved. I enjoy doing research in phenomenology in High Energy Physics and trying to further understand how Nature behaves. I also love teaching and advising Master and PhD students.

I am deeply involved as the Scientific Manager in the development of the recently (2016) funded ICAS (International Center for Advanced Science), in Argentina. We are building the high quality research Institute we dreamt up.

If I had to summarize my work, my passion, my wishes, my past, my present and my future in one word, that would be: *Motivation*.

Skills



Interests

Research: Phenomenology of high energy physics and astro-ph. I look in detail LHC, astrophysical and other relevant experiments and try to understand how Nature behaves beyond our current understanding. I am passionate in finding out what is the theory that follows the Standard Model, and also what is Dark Matter. I am also very interested in recent progress in all other fields of Science and I do my best to keep track of relevant news about this.

Science Policy: I pursue to conduct science to best serve public interests. I am involved and very interested in promoting women in science; 60% of my PhD students are women. I am interested in enhancing knowledge and intelligence in the Developing World as an added value for improving the quality of life as a whole.

Positions & Education

Since 2006	Research Permanent Position Independent Researcher	CONICET (Argentina)
Since 2016	Professor Physics	University of San Martin (Argentina)
Since 2016	Scientific Manager International Center for Advanced Studies	ICAS (Argentina)
Since 2017	Latin American Representative (unique) International Committee for Future Accelerators	ICFA (International)
2012	Postdoc Stanford University	SLAC (USA)
2011-2017	Regular Associate International Centre for Theoretical Physics	ICTP (Italy)
2011-2012	Professor Physics	University of San Luis (Argentina)
2006-2014	Assistant professor Physics	University of Buenos Aires UBA (Argentina)
2006-2009	Physics Olympiad Coordinator Province management and development for the Physics Olympiad	San Luis (Argentina)
2001-2005	PhD in Theoretical Physics Thesis: <i>CP, T and CPT analyses in EPR-correlated $B^0 \bar{B}^0$ decays</i>	Valencia University (Spain)
1997-2000	Master in Theoretical Physics Prize <i>First of the Class</i>	Institute Balseiro, Bariloche (Argentina)

Summary of Scientific Work

2000-2018	30 international scientific publication in journals as JHEP, Physical Review, etc.
2001-2018	27 international conferences, schools, workshops, etc.
2005	Mid-term visit (3 months) to Roma I <i>La Sapienza</i> , Rome, Italy.
2003	Mid-term visit (3 months) to SISSA, Trieste, Italy.
2008-2018	Full formation to PhD level of Drs. E. Coluccio Leskow and J.I. Sanchez Vietto. Currently advising 3 more PhD students. 5 Master Thesis advised.
2012	Creator and CEO of the web-security-algorithm Qlink.it.

Languages

English	Excellent
Spanish	Native
Italian	Excellent
French	Very good