

CURRICULUM VITAE

I. Personal information

- *First Name: Javier*
- *Family Name: Santaolalla Camino*
- *Age: 36 (31/08/1982)*
- *E-mail: javisantaolalla@gmail.com*

II. Education:

- *May 2012 – PhD in Physics at the “Universidad Complutense de Madrid” with the title: “Measurement of Electroweak processes in muon decay channels, in pp collisions at $\sqrt{s} = 7$ TeV, in the CMS experiment at LHC” with the highest mark.*

Supervisors: Juan Alcaraz, Isabel Josa, Begona de la Cruz

- *July 2009 - Master in Fundamental Physics degree at the “Universidad Complutense de Madrid” (average mark of last year: 9.1 over 10). Master thesis title: “Cosmic muon analysis in CMS muon detector”, in Centro de Investigaciones MedioAmbientales y Tecnologicas (CIEMAT, Madrid).*

Supervisors: Isabel Josa, Begona de la Cruz.

- *July 2008 – Degree in physics (5 years degree, equivalent to Bsc) at the “Universidad Complutense de Madrid” (average mark of last year: 9.1 over 10).*
- *July 2006 – Degree in Telecommunications Engeneering (6 years degree) at the “Universidad de Las Palmas de Gran Canaria” (average mark of last year: 8.9 over 10). End-Year-Project title: “Desarrollo de un simulador para la caracterización de constelaciones de satélites que mejoren las*

prestaciones del sistema SAR/GALILEO”, in the Centre Nationale d'Etudes Spatiales (CNES, Toulouse).

Supervisors: Gustavo Marrero, Jose Lopez.

III. Employment:

- *Freelance Science communicator from June 2016 - now.*
- *CEO of [Big Van Ciencia](#), June 2014 – June 2016.*
- *August 2013 – June 2014: Posdoctoral fellow at Rio de Janeiro State University (UERJ).*
- *February 2010 – May 2012: Research Training Contract, Centro de Investigaciones MedioAmbientales y Tecnologicas (CIEMAT), based at CERN (Geneva).*
- *February 2008 – February 2010: Post-Graduate Student Grant, CIEMAT.*
- *February 2008 – Present: member of the CMS collaboration at CERN.*
- *September 2005 – March 2006: Internship Contract, Centre National des Etudes Spatiales (CNES).*

V. Research experience:

- *Engineering experience:*
 - i . Development of a statistical tool for the University of Las Palmas de Gran Canaria using php, html, mySQL and javascript (6 months grant).*
 - ii . SAR/Galileo (European navigation system) system analysis for the international COSPAS-SARSAT organization at CNES (French Spatial Agency) (6 months grant).*
- *High Energy physics experience in CMS detector of LHC experiment (CERN). Participation in the Higgs Boson Discovery.*

VI. Outreach and teaching activities

- ▲ Co-writer of four books:
 - [“Si tu me dices GEN lo dejo todo”](#) (La Esfera de los Libros, 2015)
 - [“Si venimos del mono por qué somos tan cerdos”](#) (La Esfera de los Libros, 2016)
 - [“Cómo explicar física cuántica con un gato zombi”](#) (Alfaguara, 2016)
 - [“Cómo explicar genética con un dragón mutante”](#) (Alfaguara, 2017)
- ▲ Author of two books:
 - [“El bosón de Higgs no te va a hacer la cama”](#) (La Esfera de los Libros, 2016)
 - “Inteligencia física” (Plataforma Editorial, may 2017).
- ▲ Script writer and host of a YouTube channel [“Date Un Voltio”](#) in physics with Endemol producer; producer, host, script writer and editor of science Youtube Channel [“Date Un Vlog”](#) and [“Date un Mí”](#).
- ▲ Host and script writer of [Telecienciario](#), a weekly science news video for El Mundo funded by Obra Social La Caixa.
- ▲ Physics and mathematics in Radio 5 with Santi García, [“Raíz de 5”](#).
- ▲ Founder of [Scenio](#), international community of science and arts.
- ▲ Eduactional projects: national coordinator of CREATIONS Project funded by the European Comission with CERN (Horizon 2020), LocosXciencia by Fundación Telefónica and coordinator of Latin American version of Ciencia Clip.
- ▲ Assistant professor at the Rio de Janeiro State University.
- ▲ Lecturer of the BigVan workshop on science communication skills.
- ▲ Co-Founder and CEO of BigVan, a band using stand-up performances for the dissemination of science. More than 300 shows per year.
- ▲ Finalist of the National phase of the Famelab contest for short science speeches, Madrid, February-May 2013.
- ▲ Science in social networks: [Facebook fan page](#) (300 000 followers), [Twitter](#) (80 000 followers), [Instagram](#) (70 000 followers) and Youtube (900 000 followers).

- ✦ *Collaborator in TV show “Esports Generation” (GoITV) and science advisor of “Tesla!” a VR videogame for PlayStation.*

VI. Other skills:

- *Web developer*
- *Community manager. Proficient use of communities on Facebook, Twitter, Instagram and Youtube.*
- *Large experience in computing. Advance programming skills in different computing languages: Ada, C, C++, html, VHDL, Matlab.*
- *Language knowledge: Spanish (native speaker), English (fluent), French (fluent), Portuguese (fluent).*
- *Co-fundator of GIA (Geneva Interns Association) with other international agencies based in Geneva (UN agencies, Red Cross...).*
- *Good communication skills, collaborative spirit, willingness to exchange information, reliability, leadership.*

VII. Other information:

- *Community manager of Big Van (Facebook, Instagram, Twitter, LinkedIN)*
- *Web master of Big Van*
- *CoFounder of the association for interns in Geneva “GIA” with more than 2000 affiliates.*
- *President of LeClub association to promote cultural activities in the Geneva region (2011 – 2013).*
- *PhD partially based in CERN: short stays from 2008-2009, and residence from September 2009 until 2013.*
- *Piano studies since 2001 until 2011.*
- *Tennis teacher and football player.*