

JUAN NICOLÁS GARAVITO CAMARGO

CURRICULUM VITAE

CONTACT INFORMATION:

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PERSONAL DETAILS:

Nationality: Colombian-Venezuelan.
Date of Birth: 02/October/1988, Age 25.
Marital Status: Single.
Languages: Spanish (Native), English (Fluent).

EDUCATION:

M.Sc., Physics: Universidad de los Andes (Colombia). (Advisor: Dr. Jaime E. Forero-Romero)	8/2013-present
B.Sc., Physics: Universidad Nacional de Colombia. (Advisor: Dr. Rigoberto A. Casas Miranda)	2/2013

RESEARCH INTERESTS:

High Redshift Galaxies, Galaxy Formation Theory, N-body/SPH Simulations, Galaxy Dynamics, Data Mining.

COMPUTATIONAL SKILLS:

Programming Languages: Python, C, C++.
Software Packages: IRAF, ds9, Mathematica, L^AT_EX.
Operating Systems: Unix, Linux, MacOS, OSX, Windows.
Visualization Software: TOPCAT.

AWARDS:

2013 - Best Project at GAIA summer school held at Mexico City.
2010 - 1st Place Maloka (interactive Science Museum) contest to design a didactical physics experiment.

CONGRESSES & MEETINGS:

[5] European Week of Astronomy and Space Science EWASS.	07/2014
[4] XIV Latin American Regional IAU Meeting (LARIM), Florianopolis, Brasil. (Poster Contribution: 'Effects of the gas bulk Rotation on the morphology of the Ly α line')	11/2013
[3] Fifth Venezuelan Astronomy Reunion (RVA), Merida, Venezuela.	12/2012

- (Talk Contribution: 'Effect of the rotation of distant galaxies on the Lyman-alpha emission line'.)
- [2] Colombian Congress in Astronomy (COCO), Bucaramanga, Colombia. 11/2012
- (Poster Contribution: Study Of The Dynamical Friction Time-Scale Using N-body Simulations.)
- [1] XVII National Physics Congress, Santa Marta, Colombia. /2009

SCHOOLS & WORKSHOPS:

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- [11] GAIA Visualization workshop, Viena, Austria. 07/2014
- [10] Vatican Observatory Summer School (VOSS).
"Galaxies Near and Far, Young and Old". 06/2014
- [9] Galactic Dynamics in the Times of GAIA and other Great Surveys. 11/2013
Mexico City, UNAM CU.
- [8] NEBULATOM, "A Capacity Development Workshop for Latin
American Astronomers on Emission Line Objects in the Universe". 03/2013
Choroní, Venezuela.
- [7] III Venezuelan Astronomy School (EVA). Merida, Venezuela. 12/2012
- [6] Hippac Summer School on Astrocomputing. 07/2012
University of California San Diego.
- [5] Data reduction in Cosmology School. 12/2011
National Astronomical Observatory of Colombia.
- [4] XVI Ciclo de cursos especiais em Astronomia. 10/2011
National Observatory of Rio de Janeiro, Brasil.
- [3] 1st Workshop on Statistical Physics. 08/2011
National University of Colombia, Andes University, Bogotá, Colombia.
- [2] School of Numerical Relativity. /2011
National Astronomical Observatory of Colombia.
- [1] Extragalactic Astrophysics School. /2010
National Astronomical Observatory of Colombia.

TALKS:

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- [4] "The effect of gas bulk rotation on the Lyman Alpha line profile", EWASS, Geneve, Switzerland, July-2014.
- [3] "The most distant galaxies in the Universe", Universidad Nacional de Colombia, 2014.
- [2] "GAIA's View on the metallicities of the Milky Way", UNAM, Mexico City, Mexico, Nov-2013.
- [1] A Bayesian Method to study galaxy streams in the Milky Way Disk", CIDA, Merida, Venezuela , July-2013.

PUBLICATIONS:

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- [1] J.N. Garavito-Camargo et al 2014. "Effects of gas bulk rotation on the morphology of the lyman-alpha line", Submitted for publication to ApJ.

TEACHING EXPERIENCE:

Physics I Laboratory: Universidad de los Andes.	2 nd Semester-2013
Computational Tools: Universidad de los Andes.	1 st Semester-2014
Computational Methods Laboratory: Universidad de los Andes.	1 st Semester-2014
TA, Computational Methods: Universidad de los Andes.	1 st Semester-2014
Computational Tools: Universidad de los Andes.	2 nd Semester-2014
Computational Methods Laboratory: Universidad de los Andes.	2 nd Semester-2014
TA, Computational Methods: Universidad de los Andes.	2 nd Semester-2014

PUBLIC SERVICE:

- Organizer of the student astronomy seminar at the Planetarium of Bogotá (Spacio).