

JUAN NICOLÁS GARAVITO CAMARGO

CURRICULUM VITAE

CONTACT INFORMATION:

Calle 18A# 1- 10
Bloque I, Of 115
Universidad de los Andes
AA 4976, Bogotá, Colombia.

Email: jn.garavito57 [at] uniandes [dot] edu [dot] co
<http://github.com/jngaravitoc>

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, Latex, Xmgrace, gnuplot, TOPCAT.
Operating Systems: Unix, Linux, MacOS, OSX, Windows.

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. (Talk Contribution: 'Effect of the rotation of distant galaxies on the Lyman-alpha emission line'.)	12/2012

- [2]Colombian Congress in Astronomy (COCOA), 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:

- [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:

- [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:

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

TEACHING EXPERIENCE

- Physics I Laboratory: Universidad de los Andes. 7/2013

Computational Tools: Universidad de los Andes.	2/2014
Numerical Methods Laboratory: Universidad de los Andes.	2/2014
TA, Numerical Methods: Universidad de los Andes.	2/2014

PUBLIC SERVICE:

- Organizer of the student astronomy seminar in the Planetarium of Bogotá.