

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). 8/2013-present
(Advisor: Dr. Jaime E. Forero-Romero)

B.Sc., Physics: Universidad Nacional de Colombia. 2/2013
(Advisor: Dr. Rigoberto A. Casas Miranda)

RESEARCH INTERESTS:

Galaxy Formation, The Local Universe, High Redshift Galaxies, Reionization, N-body/SPH Simulations, Data Mining and Visualization.

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, GLUE, Sphviewer.

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:

[6] Satellite galaxies and dwarfs in the local group. Leibniz Institute for Astrophysics, Potsdam, Germany. 08/2014

[5] European Week of Astronomy and Space Science EWASS. 07/2014

- [4] XIV Latin American Regional IAU Meeting (LARIM), Florianopolis, Brasil. 11/2013
(Poster Contribution: 'Effects of the gas bulk Rotation on the morphology of the Ly α line')
- [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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- [12] CLUES meeting, Potsdam, Germany. 08/2014
 - [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:

[1] **Garavito-Camargo J.N** ,Forero-Romero J.E, Dijkstra M, 2014. "Effects of gas bulk rotation on the morphology of the Lyman-alpha line", Accepted for publication to ApJ.

TEACHING EXPERIENCE:

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| 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).