Juan Nicolás Garavito Camargo
Curriculum Vitae

Contact Information:

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Github: github.com/jngaravitoc

Education:

University of Arizona, Tucson, Arizona.
Ph.D., Astronomy and Astrophysics (expected graduation date: 2020).
Advisor: Gurtina Besla

University of Los Andes, Bogotá, Colombia.
M.Sc., Physics, 2015.
Advisor: Jaime E. Forero-Romero

National University of Colombia, Bogotá, Colombia.
B.Sc., Physics, 2013.
Advisor: Rigoberto A. Casas Miranda

Research Interests:

Galaxy Dynamics, Local Group dynamics, Galaxy Formation and evolution.

Fellowships, grants & Awards:

- University of Arizona theory travel grant (2016).
- IAU travel grant (2016).
- McCarthy-Stoeger scholarship (2015-2017).
- SpaceArt scholarship Bogotá Planetarium: For developing art and science material for children (2014).
- Best project at GAIA summer school held at Mexico City (2013).

Publications:

As a first author:

1. *The impact of gas bulk rotation on the morphology of the Lyman-alpha line.* **Garavito-Camargo J.N** ,Forero-Romero J.E, Dijkstra M. ApJ, 795, 120, (2014).

As n-th author:

1. *Response of the Milky Way's disc to the Large Magellanic Cloud in a first infall scenario.* Laporte, C., Gomez, F., Besla,G., Kathryn V. Johnston & **Nicolas Garavito-Camargo**. MNRAS submitted.

Talks:

1. STScI Galaxies Journal Club. 12/02/16.

2. "The effect of the LMC on the MW dark matter halo: Consequences for GAIA and astrometry", LARIM, Cartagena, Colombia, 10/03/16
3. "The effect of the LMC on the MW dark matter halo", Magellanic Cloud Fest, University of Arizona, 03/23/16

4. "The effect of gas bulk rotation on the Lyman Alpha line profile", EWASS, Geneve, Switzerland, July-2014.

5. "GAIAs View on the metallicities of the Milky Way", UNAM, Mexico City, Mexico, Nov-2013.

6. A Bayesian Method to study galaxy streams in the Milky Way Disk", CIDA, Merida, Venezuela , July-2013.

Observing Experience:

- 4 Nights at the VATT telescope. Mt Graham Arizona.
- 2 Nights at CIDA, Merida, Venezuela.

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:

- Local Organizing Committee of the Andean Cosmology School, University of Los Andes (June 2015).
- Organizer of the student astronomy seminar at the Planetarium of Bogotá (2014-2015).

Computational Skills:

Programming Languages: Python, C, C++.

Languages:

Spanish (native), English(Fluent).