

# Juan Nicolás Garavito Camargo

## Curriculum Vitae

### Contact Information:

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Github: [www.github.com/jngaravitoc](https://www.github.com/jngaravitoc)

### Research Interests:

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

### Education:

**University of Arizona**, Tucson, Arizona.  
Ph.D., Astronomy and Astrophysics (in progress).  
Advisor: Dr. Gurtina Besla

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

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

### Fellowships, Grants and Awards:

University of Arizona theory travel grant, 2018.  
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 the GAIA summer school held at Mexico City, November, 2013.

### Publications:

First author: 1, co-author: 4.

1. *The influence of Sagittarius and the Large Magellanic Cloud on the stellar disc of the Milky Way Galaxy.* Laporte, Chervin F. P., Johnston, Kathryn V., Gmez, Facundo A., **Garavito-Camargo, Nicolas.**, Besla, Gurtina, MNRAS, 481, 286L, 2018.
2. *The Extremely Luminous Quasar Survey in the Sloan Digital Sky Survey Footprint. II. The North Galactic Cap Sample.* Schindler, Jan-Torge., Fan, Xiaohui., McGreer Ian D., Yang Jinyi., Wang, Feige., Green, Richard., **Garavito-Camargo, Nicolas** et al., ApJ, 863, 144S, 2018.
3. *Modelling the gas kinematics of an atypical Ly $\alpha$  emitting compact dwarf galaxy.* Forero-Romero, Jaime E., Gronke, Max., Remolina-Gutierrez, Maria Camila, **Garavito-Camargo, Nicolas**, Dijkstra M. MNRAS, 474, 12F, 2018.
4. *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 & **Garavito-Camargo, Nicolas.** MNRAS, 473, 1218L, 2018.

5. *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)

## Talks and Posters:

MPIA, Heidelberg, July 2018\*.

Postdam, July 2017 †.

JILA Seminar, JILA Institute, University of Colorado, December 2017.

STScI Galaxies Journal Club. December 2016.

LARIM, Cartagena, Colombia, October 2016.\*

Magellanic Cloud Fest, University of Arizona, March 2016.

EWASS, Geneve, Switzerland, July 2014.\*

UNAM, Mexico City, Mexico, Nov 2013.

Centro de Investigaciones De Astronomía CIDA, Merida, Venezuela , July 2013.

\* *Contributed talk in conferences.* † *Poster contribution.*

## Observing Experience:

4 Nights at the VATT telescope. Mt Graham Arizona.

2 Nights at CIDA, Merida, Venezuela.

## Teaching Experience:

Computational Physics, Teaching assistant, PHYS305. Univervsity of Arizona. Spring 2018.

Computational Tools: Universidad de los Andes, 1<sup>st</sup> Semester-2015.

Computational Methods Laboratory: Universidad de los Andes, 1<sup>st</sup> Semester-2015.

Computational Tools: Universidad de los Andes, 2<sup>nd</sup> Semester-2014.

Computational Methods Laboratory: Universidad de los Andes, 2<sup>nd</sup> Semester-2014.

TA, Computational Methods: Universidad de los Andes, 2<sup>nd</sup> Semester-2014.

Computational Tools: Universidad de los Andes, 1<sup>st</sup> Semester-2014.

Computational Methods Laboratory: Universidad de los Andes, 1<sup>st</sup> Semester-2014.

TA, Computational Methods: Universidad de los Andes, 1<sup>st</sup> Semester-2014.

Physics I Laboratory: Universidad de los Andes, 2<sup>nd</sup> Semester-2013.

## Community Activities:

Classroom astronomer, NOAO Project ASTRO, 2018-2019.

Co-organizer, Diversity Journal Club, University of Arizona, Spring 2018.

Writer for Astrobitos, 2018-.

Discussion leader, NOAO Teen Astronomy Cafe, 2018.

Mentor, Tucson Initiative for Minority Engagement in Science and Technology Program, TIMESTEP, 2016-2018

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++.

Tools: git, latex.

## Languages:

Spanish (native), English(Fluent).