

MOCa 19

Workshop de Materia Oscura en Colombia

Discussion Panel



Universidad de los Andes
Bogotá
September 30th – October 1st, 2019

MOCa: just an excuse ;-)

- Need to strengthen the *community*.
- Dark Matter as an *opportunity* to make contact between our different expertise:
 - * particles, astrophysics, cosmology
 - * theory, experiments, pheno.
- We are reaching a *critical mass*, even if for most of us DM is not the main research area.

MOCa: Complementarity

- Production at colliders
(Gabriela, Andrés F., Carlos A., Alejandro)

MOCa: Complementarity

- Production at colliders
- *N*-body simulations
(Jaime, Javier)

MOCa: Complementarity

- Production at colliders
- N -body simulations
- Astrophysics
(Camilo)

MOCa: Complementarity

- Production at colliders
- N -body simulations
- Astrophysics
- Cosmology
(Juan Pablo, Bayron + James)

MOCa: Complementarity

- Production at colliders
- N -body simulations
- Astrophysics
- Cosmology
- Models
(Amalia, Alexander, Eduardo, Carlos Y., Andrés Felipe, Nicolás + Sheng)

MOCa: Complementarity

- Production at colliders
- N -body simulations
- Astrophysics
- Cosmology
- Models
- Direct detection
- Indirect detection

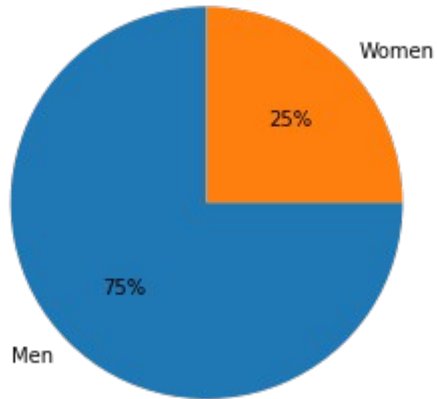
MOCa: Complementarity

- Production at colliders
- *N*-body simulations
- Astrophysics
- Cosmology
- Models
- Direct detection
- Indirect detection

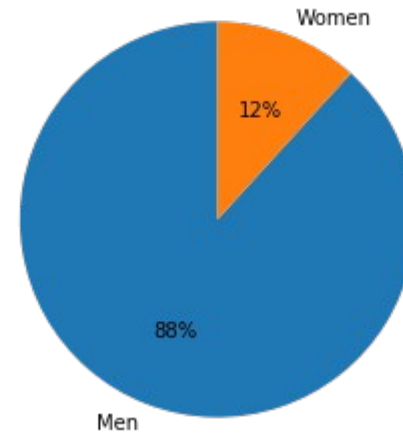


MOCa: 2017 → 2018 → 2019

Participants:
19 → 73 → 56



Talks:
12 → 18 → 17



MOCa 2019

Big thanks to *UniAndes* for hosting us!

But also to *ICTP* (6 students + 1 senior), *Colciencias* (Sheng) and *U. Antonio Nariño* (James) for financial support!

MOCa 2020?

- Same format?
- More days?
- Introductory talks?
- Hands-on?

- Where?
- When?

(Better second semester if the ICTP support is renewed!)

Open discussion :-)



4th ComHEP: Colombian Meeting on High Energy Physics (Barranquilla, Colombia)

2-6 December 2019

Centro Cultural, Universidad del Atlántico

America/Bogota timezone

Overview

[Call for Abstracts](#)

[Timetable](#)

[Book of Abstracts](#)

[Registration](#)

[Participant List](#)

[Hotels and Accommodation](#)

[Activities in Barranquilla](#)

[Previous ComHEP](#)

This is the fourth Colombian Meeting on High Energy Physics (4th ComHEP). We hope to bring together young and senior particle physicists from Colombia and abroad, to discuss recent progress in particle physics, cosmology and related areas. The program of the meeting will address a broad range of topics, such as:

- Standard Model and beyond
- Neutrino physics
- Hadron and flavor physics
- Dark matter
- Cosmology
- Cosmic rays
- Future experiments

Contact

 comhep@gmail.com

The fourth edition of this meeting will be held from December 2 to 6, 2019, at the Universidad del Atlántico, Barranquilla, Colombia.

Financial support will be available to a **limited number of students** presenting a parallel talk or a poster. See the Registration Section for details.

COMI-HEP

4TH COLOMBIAN MEETING ON HIGH ENERGY PHYSICS

Important dates:

Registration deadline:

1st of November, 2019

Abstract submission deadline: 15th
of October 2019

**Deadline to request financial
support:**

15th of October , 2019

Additional information:

comhep@gmail.com

2-6 december, 2019

Barranquilla, Colombia

Centro Cultural,

Universidad del Atlántico

<https://indico.cern.ch/e/comhep4>

