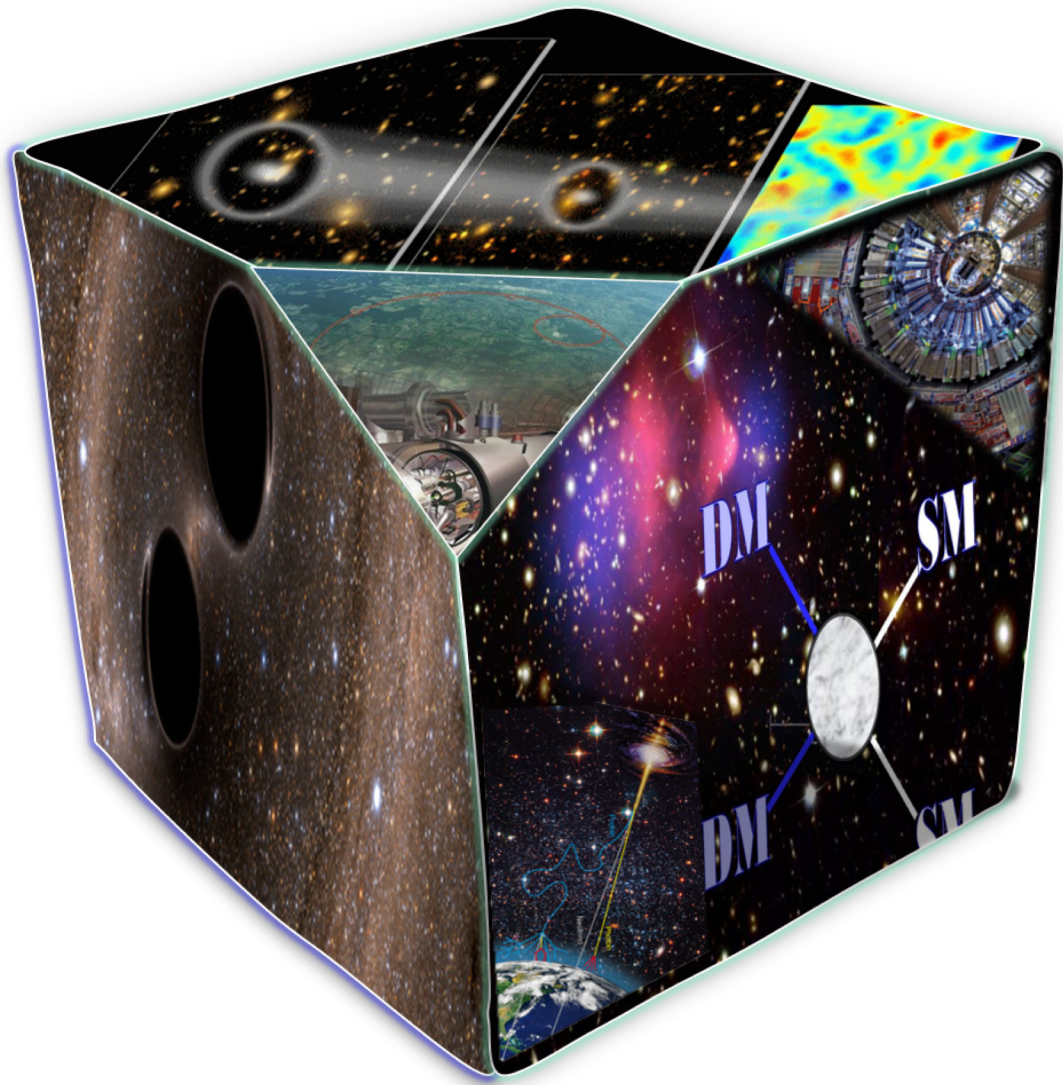




WELCOME TO PPC 2019

XIIIth International Workshop on the Interconnection
between Particle Physics and Cosmology

July 22 – 26, 2019, Cartagena, Colombia

<https://fisindico.uniandes.edu.co/indico/conferenceDisplay.py?ovw=True&confId=78>

Organizing institutions:



**UNIVERSIDAD
DE ANTIOQUIA**

MOST RECENT PPC WORKSHOPS:

PPC 2018

ETH, Zurich, Switzerland

<https://ppc2018.ethz.ch/>

PPC 2017

Texas A&M University, Corpus Christi, Texas, USA

<http://sci.tamucc.edu/events/ppc/index.html>

PPC 2016

ICTP-SAIFR / IFT-UNESP, Sao Paulo, Brazil

http://www.ictp-saifr.org/?page_id=9358

PPC 2015

Center for Theoretical Underground Physics and Related Areas (CETUP*),
Deadwood, South Dakota, USA

<http://research.dsu.edu/ppc/default.aspx>

PPC 2014

University of Guanajuato, Leon, Mexico

<http://fisica.ugto.mx/~events/ppc14/>

PPC 2013

Center for Theoretical Underground Physics and Related Areas (CETUP*),
Deadwood, South Dakota, USA

<https://research.dsu.edu/ppc/2013/>

PPC 2012

Institute of Advanced Studies (KIAS) Seoul, South Korea

<http://workshop.kias.re.kr/PPC2012/>

PPC 2011

European Organization for Nuclear Research (CERN) Geneva, Switzerland

<https://indico.cern.ch/event/116616/>

PPC 2010

National University of Torino, Italy

<http://www.ppc10.to.infn.it/>

COLOMBIA IS THE SEVENTH COUNTRY HOSTING THE PPC WORKSHOP!





FEW WORDS ABOUT COLOMBIA:

- Continental area = 1'141.748 km² (~3 times area of Germany).
- Colombia has a very diverse geography: coasts in pacific and atlantic oceans, Andean mountains, Amazon area, Eastern planes.
- One of the top countries worldwide with the most biodiversity /km²
- Population = ~48 million people
- Main products: Coffee, Flowers, banana, emeralds.
- Main cities: Bogota, Cali, Medellin, Barranquilla, Cartagena.
- High Energy Physics in Colombia has been rapidly growing during the las decade.

COLOMBIA : Land of Coffee

<https://www.youtube.com/watch?v=sT8fsQg5tyk>



COLOMBIA : Land of Flowers.

<https://www.youtube.com/watch?v=VGiJSBRHBV4>



Medellin flower Festival



COLOMBIA : Land of Birds

https://www.youtube.com/watch?time_continue=141&v=T-jn1_thxK8



CARTAGENA

- Founded in 1533.
- First Spanish colony on the American continent.
- A key port for exporting gold to Spain.
- Castillo San Felipe was built to protect the city against Pirates.
- Cartagena was one of the first territories in America of freed African slaves.
- The most touristic city in Colombia : ~ 4 million tourists in 2018.



A Few words about the PPC2019 organizing institutions:



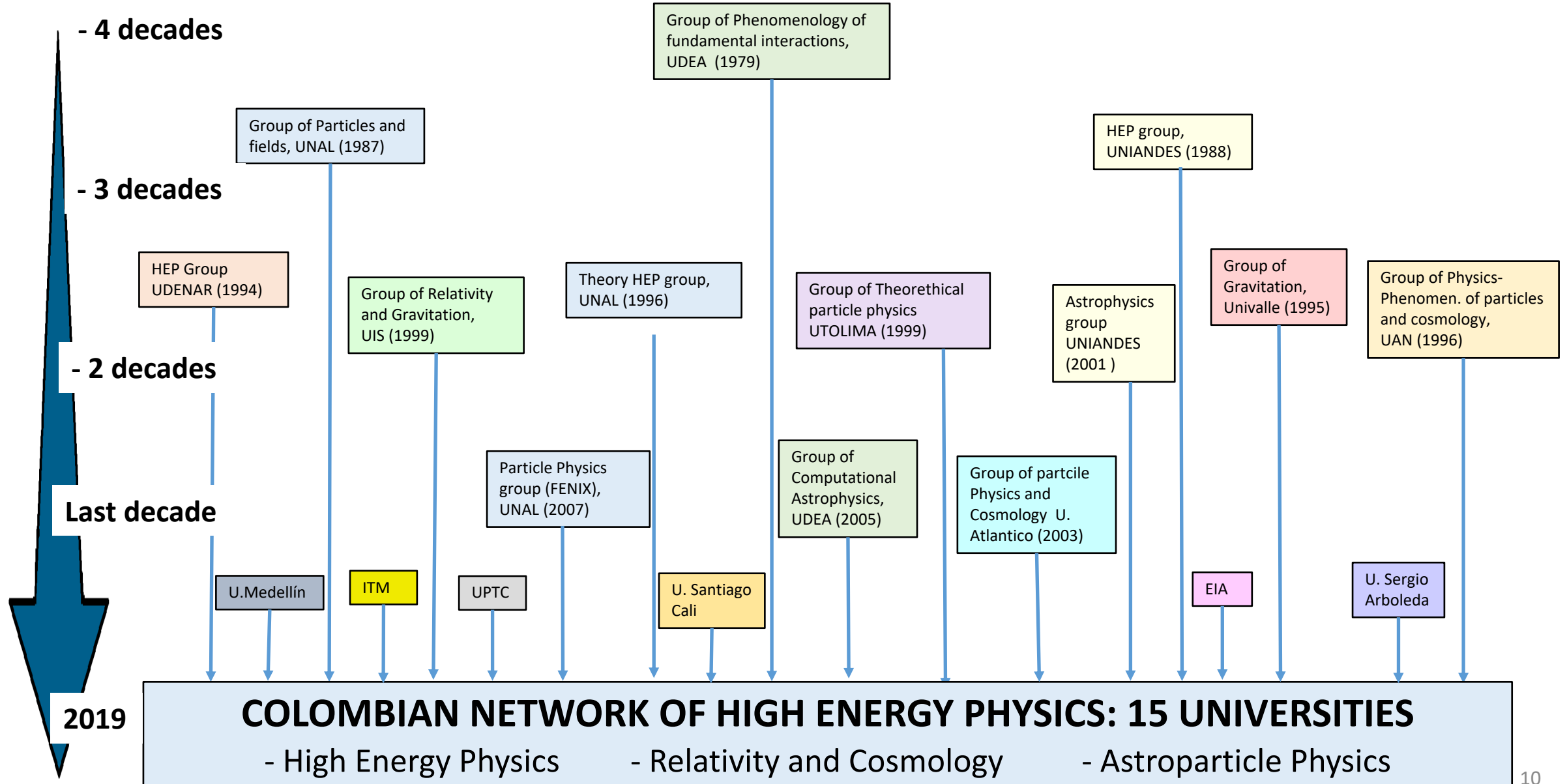
- Private university founded in 1948
- Main Campus in Bogotá.
- About 15000 undergraduate , 3500 Master students and 400 PhD students.
- 43 undergraduate programs
- 73 Master programs
- 16 PhD Programs
- Undergraduate physics program: ~40 years old.
- PhD physics Program: ~20 years old.
- Exp. High Energy Physics Group ~30 years old (E710 and D0 experiments at Fermilab, CMS at LHC).



**UNIVERSIDAD
DE ANTIOQUIA**

- Public university founded in 1803
- Main Campus in Medellín.
- About 37000 undergraduate, 2400 Master students, 600 PhD students.
- 194 undergraduate programs
- 77 Master programs
- 26 PhD programs
- Undergraduate physics program: ~50 years old.
- PhD physics Program: ~30 years old.
- Phenomenology of fundamental interactions group ~40 years old: Model building to explain results of particle physics labs. It joined the CMS collaboration in 2017.

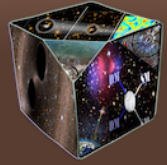
High Energy Physics in Colombia



COLLABORATION WITH HEP EXPERIMENTS

- **CMS** : UNIANDES, U. ANTIOQUIA
- **ATLAS**: UAN
- **LHCB**: UNAL
- **ALICE**: UIS
- **DUNE**: UAN, U. ATLANTICO, U. SERGIO ARBOLEDA
- **NOVA**: U. ATLANTICO
- **PIERRE AUGER**: UIS, U. MEDELLIN

RECENT HEP EVENTS IN COLOMBIA



PPC2019: XIII International Workshop on Interconnections between Particle Physics and Cosmology

22-26 July 2019 *Unianides Campus at Cartagena de Indias*
America/Bogota timezone



MOCa 2019: Materia Oscura en Colombia

30 September 2019 to 2 October 2019
Other Institutes
America/Bogota timezone



International Workshop on Next generation Nucleon Decay and Neutrino
Detectors (NNN19)



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

2018

IV UNIANDES PARTICLE
DETECTOR SCHOOL
28 MAY - 1 JUNE



MOCa 2018: Materia Oscura en Colombia

30 July 2018 to 1 August 2018
Other Institutes



PIC2018: XXXVIII International Symposium on Physics in
Collision, Bogota, Colombia

Second UK-Latin America Workshop on DAQ and Data Selection

13-14 November 2018
Bogota, Colombia
America/Bogota timezone



3rd ComHEP:
Colombian
Meeting on High
Energy Physics
(Cali, Colombia)

3-7 December 2018
Santiago de Cali, Colombia

PPC 2019

Thanks to:

- 1) The speakers for accepting our invitation.
- 2) The International Advisory Committee
- 3) The local organizing committee
- 4) The organizing institutions for all the help with the logistics
- 5) All Participants

PPC 2019

SOME ANNOUNCEMENTS

- **SOCIAL EVENTS:** Welcome cocktail on monday. Workshop dinner on Thursday.
- **STAMP ON SPEAKER PASSPORTS (PIP5, PIP6):** We need a photo of the stamp.
- **TOURIST PRECAUTIONS:**
 - Please avoid to wonder around by yourself very late at night
 - avoid locals to give you massages on the beach or to buy something without consulting the price first.
 - Be cautious when displaying expensive cell-phones, cameras or laptops on the streets at any time.
 - Please avoid drinking tap water.
- **CONTACT TELEPHONE NUMBERS:**
 - Alejandra Isaza: Cell-phone: (57) 315 813 8971
 - Andrés Flórez: Cell-phone: (57) 310 765 1585
 - Carlos Avila: Cell-phone: (57) 311 264 326

Wi-Fi Access on the university campus

The wireless network of the university, named SENECA is available and visible in the whole campus. You can connect to it using any browser and login in with the following information:

Username (cuenta): EventosUandes

Password (clave): EvUniandinos.18

LET'S BEGIN !