

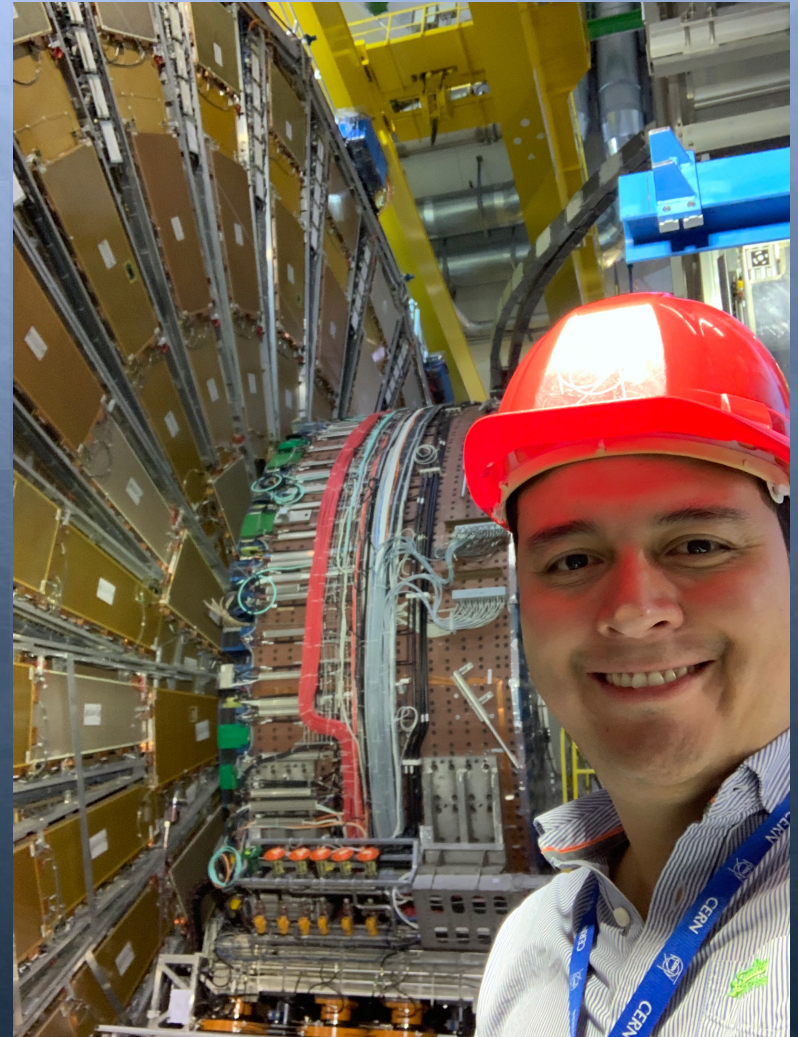


Colombia@CERN: my personal experience

Carlos Sandoval – Universidad Nacional de Colombia
ATLAS experiment

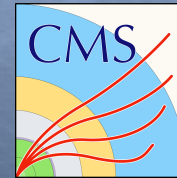
Carlos Sandoval: timeline

- 2005: Physics and MSc degree from Universidad Nacional de Colombia (UNAL)
- 2009: PhD from Hamburg University, Germany
- 2010: Joined the ATLAS experiment with Universidad Antonio Nariño (UAN) – based at CERN
- 2012: Professor at UAN Bogota
- 2020 - present: Professor at UNAL Bogota



Colombia in the LHC experiments

- 2006: Universidad de los Andes joins CMS
- 2007: Universidad Antonio Nariño joins ATLAS
- 2014: Universidad Nacional de Colombia joins LHCb
- 2017: Universidad de Antioquia joins CMS (cooperating inst.)
- 2019: Universidad de Antioquia joins CMS
- 2020: Universidad Nacional de Colombia joins ATLAS



Current status

- Grant approved by MinCiencias finished in 2024:
 - M&Os
 - Short CERN stays
- New protocol signed:
 - Upgrade activities
 - Summer student and high school teacher programmes
 - PhD students
- Phase-II upgrade MoUs signatures
- Contributions to upgrade funds : MinCiencias



Challenges and outlook

- Funding these efforts requires commitment from institutions and the Colombian government
- Sustainability – continuous support
- Continue to find support together: all LHC groups
- We are engaged in outreach and public dissemination of particle physics and the LHC
- Our students are recognized for their excellence and are opening a path for the future



The poster features a vibrant, abstract illustration of particle tracks and a central blue sphere on the right side. The text is arranged in a structured layout on the left and bottom.

COLOMBIA EN EL CERN

En el marco de los 70 años del laboratorio

UNIVERSIDADES RED CONHEP

 16 SEPTIEMBRE
4 P.M.
2- 404

Logos at the bottom: UNIVERSIDAD DE ANTIOQUIA, CONHEP, UNIVERSIDAD NACIONAL DE COLOMBIA, UAN, and Universidad de los Andes.