

# III UNIANDES PARTICLE DETECTOR SCHOOL

BOGOTÁ D.C., COLOMBIA

September 26<sup>th</sup> – September 30<sup>th</sup> 2016

The school is intended to give hands-on training to Colombian graduate students and senior undergraduates in different detector technologies used in Particle Physics, including applications to other areas. The school will run for one week, with lectures in the morning and laboratory sessions in the afternoon. There will be a poster session for selected contributions.

## LECTURES

- LHC and Future Accelerators
- ATLAS & CMS Experiments
- LHCb Experiment
- Cosmic Ray Experiments
- Neutrino Experiments
- Dark Matter Experiments
- Particle Interactions & ID
- Trigger & DAQ
- Gas Detectors
- Silicon Detectors
- Cherenkov Detectors
- Calorimeters
- Particle Detector Applications

## LABORATORIES

- Medipix X-ray Detection
- Muon Telescope
- Muon Lifetime
- GEM 1D – Fe55 Source
- GEM 2D – Data Acquisition
- GEANT4 Simulations
- GAMOS Simulations

More Info & Registration:

<http://upds2016.uniandes.edu.co>

Deadline – Applications\*:

August 1<sup>st</sup>, 2016

Deadline - Poster Submissions\*:

September 1<sup>st</sup>, 2016

\*Economic support might be available for selected Colombian students from Universities outside Bogotá. The support must be requested in the application form. Supported students must present a poster of their ongoing research.

Universidad de los Andes | Vigilada Mineducación | Reconocimiento como Universidad: Decreto 1297 del 30 de mayo de 1964.  
Reconocimiento personería jurídica: Resolución 28 del 23 de febrero de 1949 Minjusticia.

