



# BUAP-MINGO Collaborators



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# RPCs Eco-campus Lab

- We intend to have the Construction of a fist chamber in the lab by the end of the year
- We have completed the equipment in the lab
- Already we have made gas leak test
- Signals test based on the strips position by using two plastic *scintillators* in coincidence
- We need to finish the box for the chambers
- We have to complete the material for building two chambers





# Objective

- Build two chambers to complete one detector array
- Test to validate RPCs
- Analysis of efficiency with muons
- Test to validate RPCs
- Detector simulation Studies
- Rate and current studies
- Build a second array
- Second detector array installation in the vicinity of HAWC (Sierra Negra)



# BUAP ECO-CAMPUS RPC LAB



(RPCs in Lab RPC Eco-campus Valsequillo BUAP)

- RPC prototype to Eco-campus Valsequillo BUAP from CERN
- Gas system installation is being completed in the Eco-campus Valsequillo Lab
- Test on the real size RPCs prototypes are in progress