

## **About the possibility of an international ground-based Very High Energy particle detector experiment in Ecuador**

*Thursday, 22 February 2018 12:00 (20 minutes)*

We discuss the possibility of hosting a big Astrophysics ground-based experiment in Ecuador, aimed to detect VHE particles. Ecuador location makes possible to see both the Northern and Southern sky. An additional geographic feature is the presence of one of the highest American mountains, the Chimborazo (6310 masl), that happen to be the highest point on Earth measured from the center of the planet. In the last decade Ecuadorian government has invested resources in higher education and research, with an important policy of training abroad. The effect has been that now many researchers in Physics, Astrophysics, and Engineering are working in universities across the country and collaborating with important experiments like CMS at CERN, Pierre Auger in Argentina, HAWK in Mexico and in LAGO project. All these features make Ecuador an ideal place to host a big VHE particle detector experiment in South America.

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**Session Classification:** Key talk