



Universidad Nacional de Asunción

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Prof. Mark Thomson
Spokesperson of the Deep Underground Neutrino Experiment
University of Cambridge - Cavendish Laboratory
JJ Thomson Avenue,
Cambridge CB3 0HE.

Asunción June 9, 2017

Dear Professor Mark Thomson, Co-spokesperson of the DUNE experiment,

We would like to submit to you the request of the group of the National University of Asunción to join the DUNE experiment.

We have a group in the National University of Asuncion that is working in the area of instrumentation in particle detectors, computer simulations, and data analysis. Members of the group have been working in several experiments related to Fermilab, as the D0 Experiment, and more recently to the DAMIC and CONNIE Experiments that use CCD detectors to search for Dark Matter particles, and Coherent Nuclear Scattering of Low Energy Neutrinos respectively.

Although we are open to further discussion if this application succeeds, our initial contribution to DUNE could concentrate in working with the UNICAMP group that is currently developing the ARAPUCA detectors.

Furthermore, we will apply for new grants for DUNE, to be able to contribute -within our possibilities- in the development of this part of the Light detection system.

We will appreciate you transmit our interest to the collaboration.

Looking forward to your news.

Best regards,

Dr. Jorge Molina
Director of the Physics Department of the Engineering Faculty
Senior Researcher - DGICT
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