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Advances of a new MPGD laboratory for training, development, fabrication, applications and innovation

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In this work we present the progress of the MPGD laboratory at the Universidad Antonio Nariño (UAN), Bogotá, Colombia. This is a new facility for research, development, training and new applications of MPGDs and related technologies. Along with the RD51-CERN, this laboratory is also supported by a new PhD program in applied science at the UAN. This is an effort of the UAN to continue and extend its experience and contribution participating in the ATLAS experiment at CERN for the last five years and since 2009 as a member of the RD51 collaboration. The challenge of this new facility is to provide the infrastructure and organization for highly qualified training to an increasing number of technicians and professionals of different specialties for R&D, quality control, production, application and innovation related to MPGDs, and increasing the cooperation among RD51 members.

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