

Foreword

The 6th International Conference on Micro Pattern Gaseous Detectors, MPGD19, was held between the 5th and the 10th of May 2019 in La Rochelle, France. It gathered 142 participants from all over the world to discuss in a stimulating atmosphere the latest developments in detector physics and performances, simulations and software, electronics and production techniques, as well as applications in subatomic physics and society at large.

The conference was held previously in Kolympari, Greece (2009), in Kobe, Japan (2011), Zaragoza, Spain (2013), Trieste, Italy (2015), and Philadelphia, USA (2017). The 2019 issue of the conference was co-organized by CEA, CNRS and GANIL, and received support from RD51 at CERN.

The program included eight invited talks and 48 oral contributions selected on the basis of 135 Abstracts. Poster sessions and industrial exhibitions completed this scientific program, allowing deeper discussions. The social event took the participants off the coast to the islands around La Rochelle.

An award ceremony took place on the 9th of May. The traditional ‘Charpak Prize’, rewarding the best presentation by a young physicist, was won by Jona Bortfeldt from Ludwig-Maximilians-Universität, Munich. In honour of Anton Oed who invented the first MPGD, the MicroStrip Gaseous Chamber in the 1980s and who passed away a few months before the conference, a new prize was created and rewarded Rui de Oliveira for his many and outstanding contributions in the field.

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Paul Colas, for the Organizing Committee.

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The proceedings were peer-reviewed by the Local and International Organizing Committees.

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Invited talks

RD51 activities and perspectives: Maximilien Chefdeville (LAPP Annecy)

New physics frontiers and future accelerators : Maxim Titov (CEA/Irfu Saclay)

Current and future experiments on neutrino physics : Kam-Biu Luk (Berkeley)

Picosecond timing detectors and applications : Jerry V'avra (SLAC)

TPC technologies using MPGDs: Piotr Gasik (TU Munich)

MPGD applications outside our domain : Florian Brunbauer (CERN)

MPGD and gaseous neutron detectors : techniques and applications: Gabriele Croci (Milano-Bicocca)

Astroparticle Physics: Elisabetta Baracchini (Gran Sasso)

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