



AWARDS

RINALDO SANTONICO HAS WON THE APS DPF INSTRUMENTATION PRIZE

The American Physical Society (APS) has awarded the 2018 DPF (Division of Particles and Fields) Instrumentation Award to Rinaldo Santonico, Honorary Professor at the University of Rome Tor Vergata and researcher at INFN, for the development of Resistive Plate Chambers (RPC, fast single gas gap detectors) and their application in a wide variety of experiments, from LHC to cosmic ray physics. Ever since the initial idea in 1981, Santonico and his group have continued to develop and improve this technology for over 30 years. The excellent temporal resolution, good spatial resolution, and a relatively low cost per unit area have made RPC detectors an interesting technology, both in high energy physics for muon tracking and in astroparticle physics for covering large areas for charged particle tracking. Through the definition of detailed procedures for the production of large quantities of RPCs and the transfer of this technology to industry, Rinaldo Santonico has allowed many other research teams to use them in a wide range of international applications, both in research and in industry. ■