



TECHNOLOGICAL RESEARCH

EUROPEAN R&D PROJECT FOR FUTURE DETECTORS, AIDAInnova KICKS OFF

AIDAInnova, a research and technological innovation project for developing new solutions for future particle detectors, is at the starting gates. Approved last November by the European Commission, with funding of 10 million euro, AIDAInnova recently gathered more than 300 experts to discuss activities and plan the next steps for achieving the project's ambitious goals. AIDAInnova will explore the application of innovative technological solutions, in order to validate their measuring and discovery potential, to future accelerators for high-energy and neutrino physics: vertex detectors and silicon trackers that will also implement time measurement (4D); large-area and volume gas detectors that are resistant to radiations and high particle flows; innovative, high-granularity (5D), large-scale calorimetry; and large-volume cryogenic detectors for neutrinos.

The added value of AIDAInnova is providing an environment for discussion for researchers working on different projects; over the four years of the project, more than 150 physicists and engineers, in almost all the INFN divisions, will be involved, and some 40 research grants will be offered. Industry will also participate in the consortium of some 45 beneficiaries from 15 different countries. For Italy, which has been awarded 18% of the European funding, INFN will participate alongside the CAEN SpA and Eltos SpA firms, and the Fondazione Bruno Kessler. ■