

ULTRA-RELATIVISTIC PP AND PbPb COLLISIONS AT THE LARGE HADRON COLLIDER WITH THE ALICE DETECTOR

Francesco Riggi

*Department of Physics and Astronomy, University of Catania Via S.Sofia 64,
95123 Catania, Italy*

ALICE is one of the large detection facilities at the CERN Large Hadron Collider, especially designed for the study of heavy-ion collisions in the ultra-relativistic energy regime. The ALICE Collaboration has started to take data from the very beginning of the LHC operation and has collected so far a large number of pp, PbPb and pPb collision events at the various energies already exploited by the LHC machine. This talk will focus on the main features of the ALICE detection setup, on recent physics results obtained by the Collaboration over the last year, with a perspective on possible upgrades of the ALICE detector presently under discussion.