Sesto Incontro Nazionale di Fisica Nucleare



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From soft to hard observables: recent experimental results from ALICE (Invited)

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ALICE is a general-purpose, heavy-ion detector at the CERN LHC which focuses on quantum chromodynamics. It is designed to address the physics of strongly interacting matter and the quark-gluon plasma at extreme values of energy density and temperature in nucleus-nucleus collisions. In addition, it has a rich physics program for proton-proton and proton-nucleus collisions.

In this overview, a selection of recent ALICE results based on data collected during the LHC Run 3 and Run 2 will be presented. Prospects for the LHC Run 4 and beyond will also be briefly discussed.

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