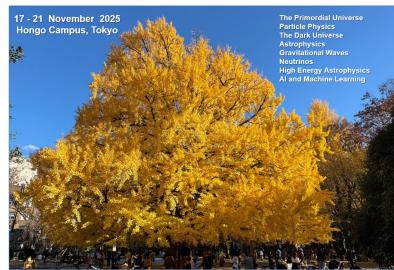


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ALICE Highlights and Upgrade Plans

jeudi 20 novembre 2025 09:00 (25 minutes)

A Large Ion Collider Experiment (ALICE) is one of the four major experiments at the Large Hadron Collider (LHC). It was designed to study the properties of the quark-gluon plasma (QGP) - a state of extremely hot and dense matter in which quarks and gluons are deconfined. This state is created in high-energy heavy-ion collisions and resembles the conditions of the early universe moments after the Big Bang.

Since 2009, ALICE has successfully collected data from various collision systems, including A–A (Pb–Pb, Xe–Xe, O–O), p–A (p–Pb, p–O), and pp. This presentation will review recent highlights from ALICE and outline its ambitious short- and long-term upgrade plans.

Auteur: OTWINOWSKI, Jacek (Institute of Nuclear Physics Polish Academy of Sciences)

Orateur: OTWINOWSKI, Jacek (Institute of Nuclear Physics Polish Academy of Sciences)