

Alice experiment - history, present and future

Wednesday 28 June 2023 13:10 (20 minutes)

In the presentation the development of the Alice experiment at the LHC will be described, starting from the first sketches, Letter of Intent and Technical Proposal designs, and finally the detector setup as built in 2009. The talk will continue with the main physics results of run-1 and run-2. During LS2 the Inner Tracking System (ITS) was completely replaced with a new silicon pixel tracker and the TPC readout was upgraded with GEM chambers. The Alice collaboration is preparing the third version of the ITS using bent silicon detectors. The last part of the talk will discuss the Alice-3 project, which was recently submitted to the LHCC.

Presenter: SAFARIK, Karel (Czech Technical University in Prague (CZ))

Session Classification: Session III