

Development of the ATLAS inner tracker for the HL-LHC upgrade

The candidate is expected to contribute to the development of the systems for ITK pixel module testing, and to the testing, construction, and commissioning of the new ATLAS inner tracker. The research program will focus on setting up the test system in the newly built clean room in the department, focusing on the development of slow control for Pixel modules under test, power distribution and safety control, and the implementation of data acquisition chain for both the quality assurance test of modules, and future commissioning of the full detector.