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Going Beyond the Standard Model at the LHC with Dedicated Detectors

The search for physics beyond the Standard Model using dedicated accelerator experiments is presented. The aim of these experiments is to extend the physics reach of the ATLAS and CMS detectors at the LHC in a largely complementary way. As such they represent an important extension of the discovery frontier of particle physics. I shall present the results of the MoEDAL-LHC experiment, that is the only such collider experiment currently operating, as well as MoEDAL's plans for RUN-3 that involve the installation of the MAPP detector (MoEDAL Apparatus for Penetrating Particles). Also, I shall briefly mention the aims and status of the planned dedicated LHC experiments: milliQan, CODEX-b, MATHUSLA, FASER and AL3X.

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