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The MoEDAL Experiment - The LHC's First Dedicated Search Experiment –Results and Future Plans

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The unprecedented collision energy of the LHC has opened up a new a new discovery frontier, where a theory underlying the Standard Model may yet be revealed. Now that the Higgs boson - the last piece of the Standard model puzzle - has apparently been discovered, the search for such new phenomena has assumed a key importance. However, the LHC has been running for several years and no signals for physics beyond the Standard Model have been observed. Either this new physics is simply not there, or it is somehow evading detection by the general-purpose LHC experiments, ATLAS and CMS. We will present the current results and future plans of the LHC's pioneering dedicated search detector, MoEDAL. As far as future plans are concerned we will concentrate on the new sub-detector MAPP due to be installed for LHC's Run-3, to enhance the physics reach of MoEDAL and widen the LHC's discovery horizon.

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