

FASER

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FASER is a newly installed experiment at the LHC designed to look for light, extremely weakly-interacting particles at CERN's Large Hadron Collider (LHC). Such particles may be produced in the very forward direction of the LHC's high-energy collisions and then decay to visible particles inside the FASER detector, which is placed 480 m downstream of the ATLAS interaction point, aligned with the beam collisions axis. The detector components were commissioned in a surface lab in 2020 and the full detector installed in the tunnel in March 2021. The experiment has now gone live for the start of LHC Run 3 in July 2022. During the seminar I will explain what FASER aims to do as well as what it took to fully commission this small detector at a large collider and the unexpected challenges we faced during first data taking.