Contribution ID: **43** Type: **Talk**

FASER: Forward Search Experiment at the LHC

Friday, 31 July 2020 08:45 (15 minutes)

FASER is an approved small and inexpensive experiment designed to search for light, weakly-interacting particles during Run 3 of the LHC. Such particles may be produced in large numbers along the beam collision axis, travel for hundreds of meters without interacting, and then decay to standard model particles. To search for such events, FASER will be located 480 m downstream of the ATLAS IP in the unused service tunnel TI12. This talk will describe the discovery potential of FASER for new particles and the current status of the detector construction and commissioning.

I read the instructions

Secondary track (number)

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Session Classification: Beyond the Standard Model

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