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Type: Oral presentation (by invitation only)

Machine Detector Interface Alignment System Update and challenges

Thursday 2 June 2022 12:15 (15 minutes)

The precise alignment and monitoring of the FCC-ee MDI is mandatory in order to reach the designed luminosity. Though, the extremely elegant but also complex MDI design raises some tough challenges. This presentation will underline the different challenges and explain why they represent difficulties for the design of an alignment and monitoring system. Subjects such as design, technology, sensors and tolerances will be covered. Finally, some solutions, ideas and strategies for the alignment and monitoring system for the FCC-ee MDI will be proposed.

Author: WATRELOT, Leonard (CNAM - Conservatoire National des Arts et Métiers (FR))

Presenter: WATRELOT, Leonard (CNAM - Conservatoire National des Arts et Métiers (FR))

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