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ID: 3694 Pattern Recognition for Measurement of Emittance in Muon Ionisation Cooling Experiment.

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Abstract For Muon ionization cooling experiment at the ISIS accelerator of the Rutherford Appleton Laboratory, a very high precision emittance measurement is desirable. Two trackers upstream and downstream of a cooling channel are used to measure the emittance of the Muons before and after the cooling system. The routine for emittance measurement via a pattern recognition algorithm is described and the simulation results are presented.

Funding Agency

Type of Presentation Poster

Main Classification 06 Beam Instrumentation and Feedback

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