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The MICE PID instrumentation system

The PID instrumentation of the MICE experiment at RAL, to be used to demonstrate muon cooling, is presented. It must provide good PID capabilities, to contribute to a high precision emittance measurement, in a harsh environment with high incoming particle rates, not-uniform fringe magnetic fields and high backgrounds. It is based mainly on a TOF system, CKOV counters and a downstream calorimeter. Design choices for the detector construction will be illustrated. The performances obtained in the first characterization of the MICE muon beamline will be presented.

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