
Performance of the MICE diagnostic systems

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This paper will describe:

- The detectors as we have it installed in the MICE Hall at November 2017
- The performances of the detectors
- The absorbers models and their validation
- The track matching

We'll make reference to the published papers wherever possible.

We're targeting the JINST volume.

1 Introduction

To include:

- Motivation
- Outline of the experiment

2 Time-of-Flight Detectors

2.1 Introduction

2.2 Performance

3 Cherenkov Detectors

3.1 Introduction

3.2 Performance

4 KLOE-Light Calorimeter

4.1 Introduction

4.2 Performance

5 Electron Muon Ranger

5.1 Introduction

5.2 Performance

6 Tracker

30 6.1 Introduction

6.2 Performance

6.3 Tracker resolution in field

7 PID

7.1 Introduction

35 7.2 Performance of the PID

8 Track Matching

8.1 Introduction

8.2 Performance

8.3 Beam based detector alignment

40 8.4 Beam based magnet alignment

9 Absorber

9.1 Introduction

9.2 Validation of the absorber model

10 Conclusions

45 To be written at last.