

System performance paper

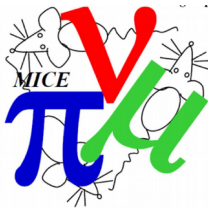
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Introduction

- The paper will describe (**pragmatic list**):
 - The detectors installed in the hall
 - Performances of the detectors
 - Alignment of the detectors
 - PID
 - Track matching
 - Cooling channel field model
 - Target model
 - Absorber model



Introduction

- **The paper is coming along...**
- Defined list of authors
- Agreed on a list of *beam line – cooling channel – absorbers* and common set of *runs*
- Available contributions merged together
- Skeleton of the paper in place
- Still elements missing for different reasons
- Eventual separate paper(s) for some other contributions

Status of the paper

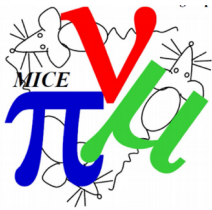


Main author(s)	Contribution	Text	Plots	Material	Notes
Viktor, Scott	TOF	Introduction	First version	on GitHub	
Tanaz, Paolo	Ckov	Introduction			
Domizia, Ludovico, Mariyan	KL	yes	yes	on GitHub	first draft ready
Francois	EMR	Introduction		agreed on 4/5 pages	
Melissa	Tracker	Introduction	some	on Overleaf	agreed on 5 pages
Scott, Melissa	PID				
Chris Rogers, Melissa	Track matching	yes	yes	on GitHub	
Francois, Paul	Detector alignment				MICE note reviewed
Chris Hunt, Joe	Magnets				
Tom, Paolo	Target model				MICE note in progress
Ajit, Scott, Craig	Absorber model	Introduction			

Status of the paper



- Finalize the tracker part (Melissa)
- Text for the TOF part on it's way (Viktor)
- PID (Scott)
- Material coming from Francois in the next month (EMR, detector alignment)
- Target model (Tom, Paolo)
- First version of the absorber analysis/validation (Ajit, Craig and Scott)
- Field model (Joe)



Conclusion

- Compiled a first skeleton with plots and text with the material I have got (thanks to everybody!)
- First version with *all* the material in time for the next workshop
- Repository: <https://github.com/pfranchini/MICE-systems-performance-paper>
- Few more details:
https://micewww.pp.rl.ac.uk/projects/analysis/wiki/System-performance-paper_2018-06-25