

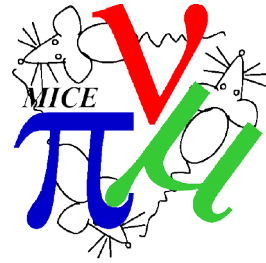


From Analyses To Papers



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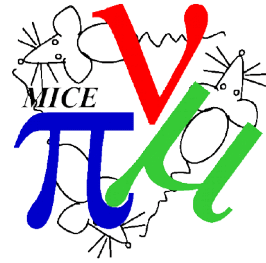
Reminder – Publication plan



Paper	Contact	Comments/Aims
Multiple Coulomb Scattering in lithium hydride	John Nugent	Now on best effort basis
Performance of the MICE diagnostic systems	Paolo Franchini	KL comments received – awaiting new draft
Phase space evolution in flip mode	Paul Jurj	Full analysis chain in place
Phase space evolution in solenoid mode	Tom Lord	Looking at low pt hole
Phase space evolution with the wedge	Craig Brown	Understand effects of density estimators
Multiple coulomb scattering in liquid hydrogen	Gavriil Ch	Deal with alignment issues; move to convolution analysis
Multiple coulomb scattering with fields on	Alan Young	Deal with alignment issues; move to convolution analysis

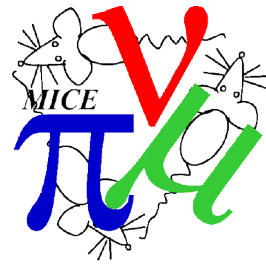


System Performance Paper



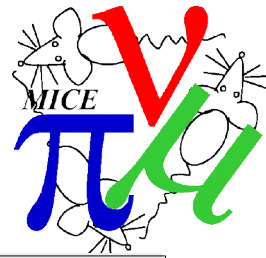
- Referees meeting last week
- Useful comments
- Hope to address ASAP
- Another meeting planned for Wednesday

Scattering analysis



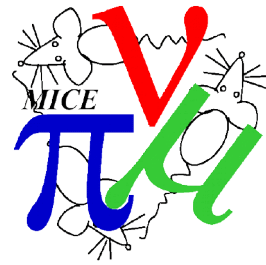
- LiH scattering held up by trivial bugs
 - No additional support to help John Nugent
 - John is working on “best effort” basis
- LH2 scattering
 - Validation of detector performance (MC vs data)
 - Preparing for PID routines

Scattering analysis



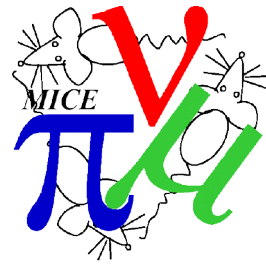
	LiH field-on	LH2 Field-off	Field-on
Beam selection	Green	Green	Green
TOF Momentum Reconstruction		Red	Green
PID		Red	Red
Convolution analysis		Red	Red
Deconvolution analysis		Red	Red
Bias due to inefficiency/geometrical acceptance		Red	Red
Validation/analysis of all data sets and MC			
Systematic uncertainty analysis	Green	Red	Red
Time-of-Flight and Momentum			
Positional Alignment of trackers			
Fiducial selection			
TOF uncertainty			
Rotational alignment of trackers			
LH2 curvature			
Pion Contamination			
Headline plots finalised			
MICE Note written	Yellow	Red	Red
Draft Paper written	Red		
Draft Paper through internal review	Red		
Draft Paper through journal review (publication)	Red		

Emittance analyses



	Solenoid emittance evolution	Flip-mode emittance evolution	6D emittance evolution
Beam selection	Green	Green	Green
Beam resampling	Red	Green	Red
Amplitude/emittance/density calculation	Green	Green	Green
Bias due to resolution/inefficiency (and correction)	Red	Red	Red
Validation/analysis of all data sets	Red	Red	Red
Reconstruction uncertainty analysis	Red	Red	Red
Tracker density	Red	Red	Red
Tracker alignment	Red	Red	Red
Tracker field	Red	Red	Red
TOF uncertainty	Red	Red	Red
Model uncertainty analysis	Red	Red	Red
Beam alignment	Red	Red	Red
Fields (SS and FC)	Red	Red	Red
Absorber	Red	Red	Red
Headline plots finalised	Red	Red	Red
MICE Note written	Red	Red	Red
Draft Paper written	Red	Red	Red
Draft Paper through internal review	Red	Red	Red
Draft Paper through journal review (publication)	Red	Red	Red

Conferences



- Neutrino 2020
 - Register
 - Posters ready in 2 weeks time
 - New plots at VC in 2 weeks time
- ICHEP 2020
 - New plots at VC in 2 weeks time
 - Submissions ready by July 15th