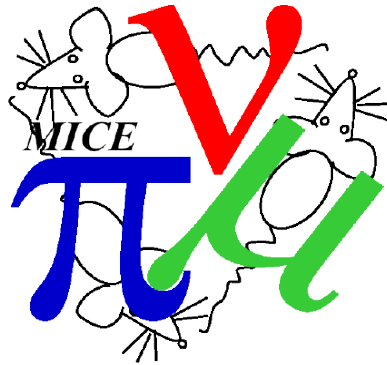




Introduction



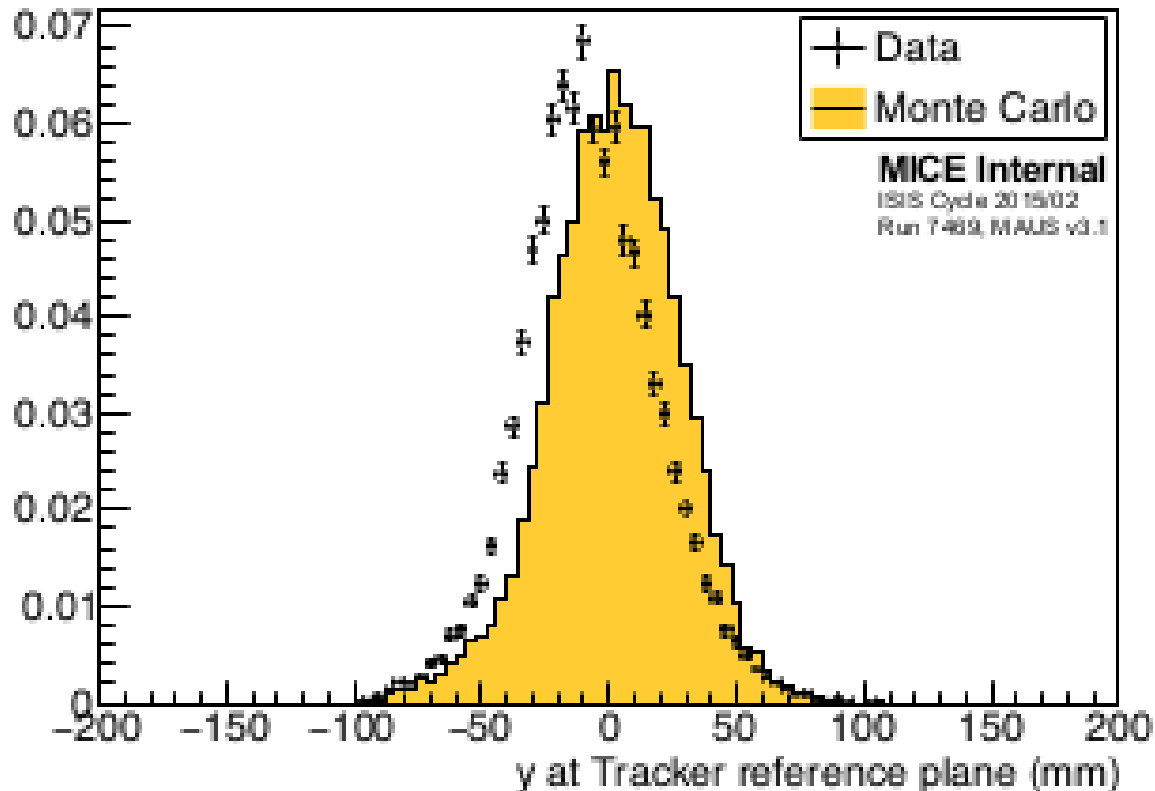
C. Rogers, ISIS Intense Beams Group
Rutherford Appleton Laboratory

Reminder – Publication plan



Title	Contact	02-Aug-18	
		v7	
		Final	Preliminary
Direct measurement of emittance using the MICE scintillating-fibre tracker	V. Blackmore	Jun18 CM51	
The MICE liquid-hydrogen absorber	C. Whyte/J. Boehm	Jun-18	Apr18 w/s
The MICE Analysis and User Software framework	D. Rajaram	Jun18 CM51	May18 w/s
Phase-space density/emittance evolution; rapid communication	C. Rogers	Jun18 CM51	Apr18 w/s
Measurement of multiple Coulomb scattering of muons in lithium hydride	J. Nugent	Jun18 CM51?	
Performance of the MICE diagnostic systems	S. Wylbur/P. Franchini		Jun-18
Beam-based alignment	C. Hunt		Jun-18
Muon Ionization Cooling Experiment (h/w)	C. Whyte/P. Franchini		Jun-18
Phase-space density/emittance evolution review paper	C. Hunt		
Phase-space density/KDE/6D-emittance evolution	T. Mohayai		Jun-18
Measurement of multiple Coulomb scattering of muons in LH2	J. Nugent		
Field-on measurement of multiple Coulomb scattering	A. Young		

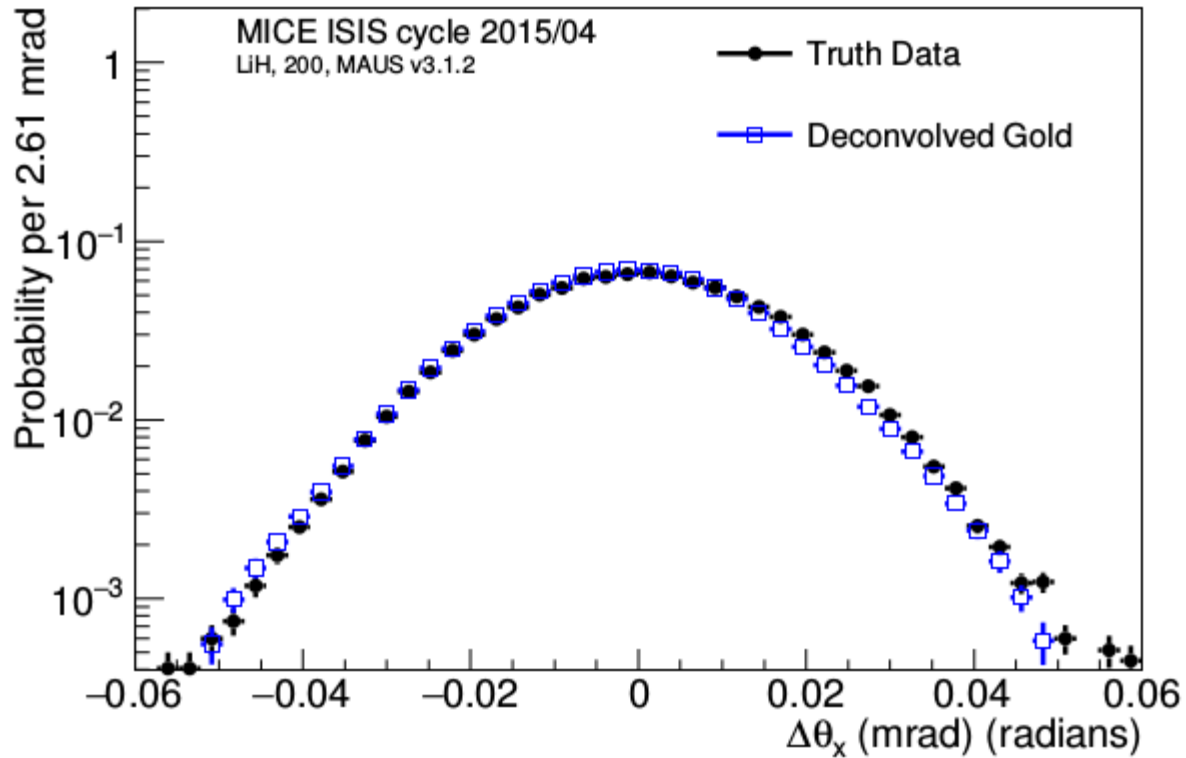
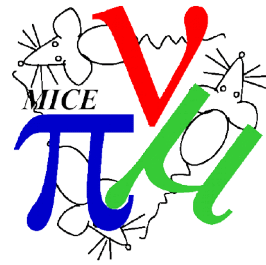
Emittance Measurement Paper



First draft distributed to collaboration

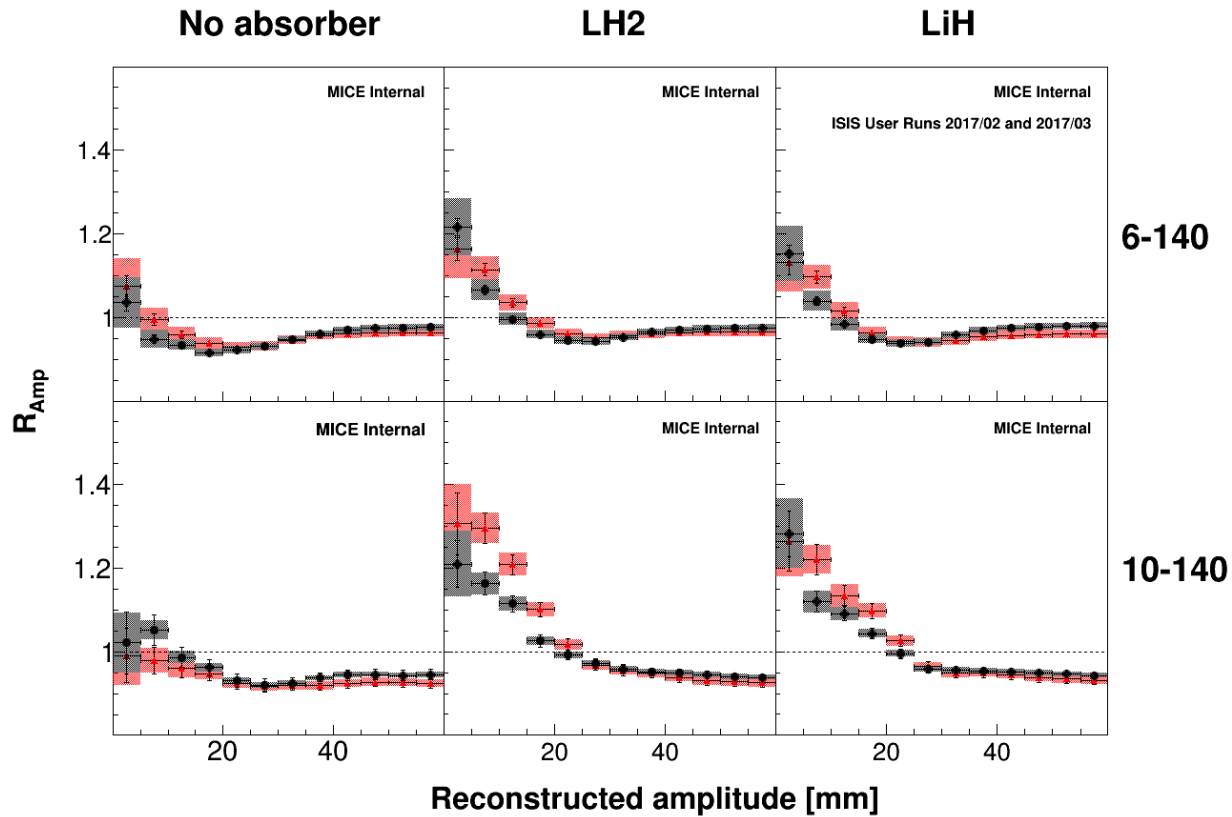
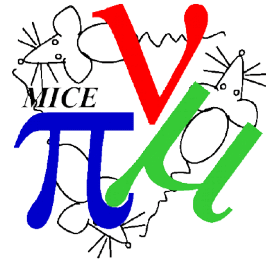
– addressing criticism of MC vs data comparison

Scattering Paper



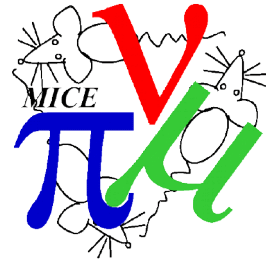
Greatly improved deconvolution algorithm

Emittance Evolution



1st draft MICE note produced

Other Papers - Measurements



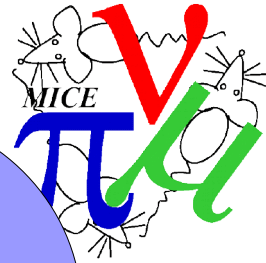
Scattering
In LH2

Field on
Scattering

6D
Emittance
Evolution

Detailed
Emittance
Evolution

Other Papers and Techniques



Tracker
Performance

PID
Performance

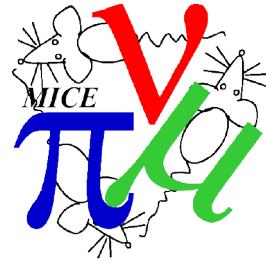
System
Performance
Paper

Transfer
Matrix/Map
Measurement

Optical
Heating

Optical
Alignment
and Fields

Sample Analysis Toolsets



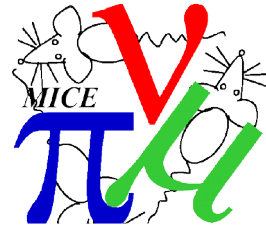
Rogers
Emittance
Evolution

Blackmore
Emittance
Measurement

Hunt
Emittance
Measurement

Bayes/Nugent
Scattering

Comments



- We have a **great data set**
- We have a **great analysis team**
- There are **great opportunities**

Now is the time to make it happen!