



## Online Reconstruction

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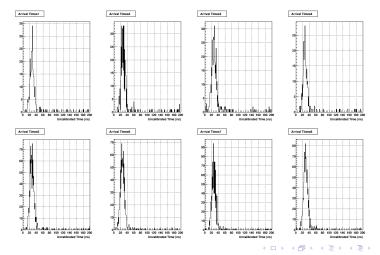


Overview	CKOV	KL	TOF	Tracker	Recent Running and To Do
•	o	o	o	0	0
Overview					

- Online Reconstruction provides fast detector reconstruction and visualisation for MICE
- Part of MAUS (ideally a copy of the latest release, in practice control version is sometimes hacked)
- Uses multiprocessor framework based on Celery
- Provides higher level plots than Online Monitoring
- Have plots for CKOV, KL, TOF and Tracker (no EMR yet)
- Good user documentation
- Supported by Software-on-Call
- Live data at: http://micewww.pp.rl.ac.uk/dq/

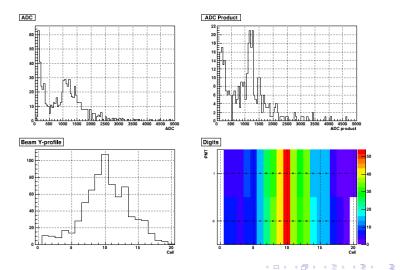
Overview	CKOV	KL	TOF	Tracker	Recent Running and To Do
O	•	o	o	O	0
CKOV					

Lots of good plots present (however no data for last few weeks of running...)



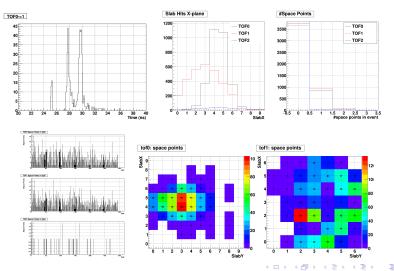
Overview	CKOV	KL	TOF	Tracker	Recent Running and To Do
O	o	●	o	O	0
KL					

#### Good plots present:



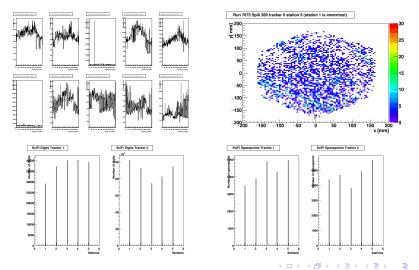
Overview	CKOV	KL	TOF	Tracker	Recent Running and To Do
O	o	o	•	O	0
TOF					

#### Abundance of good plots:



Overview	CKOV	KL	TOF	Tracker	Recent Running and To Do
0	0	0	0	•	0
Tueslass					
Tracker					

Lots of good plots present, though scope for even more (tracks):



# Overview CKOV KL TOF Tracker Recent Running and To Do Recent Running and To Do

• Iron out remaining issues highlighted by recent running:

- Unpacker problems with DAQ data (mostly solved)
- Tracker DAQ producing bad data (solved?)
- Tracker mapping and calibration (solved)
- Tracker plots not present (partly solved)
- Tracker reconstruction bugs (partly solved)
- EMR plots
- Add run number to output
- New framework (live updating GUI, rather than png files, C. Rogers working on it)
- Check speed is ok