

Data taking shift policy for MICE

From the MICE MOU:

Shifts: All institutions must satisfy their institutional and personal shift quotas defined by MICE Collaboration Board or related collaboration guidelines.

Principle of this proposal:

Contributions to running the experiment should be distributed fairly among the MICE collaboration institutes

A run typically involves (list to be updated)

- MICE operations manager MOM
- MICE Beam Line On-Call (BLOC)
- MICE Software expert
- MICE DAQ expert
- 2 shifters per day

MICE software, DAQ and Beamline are taken up by people for whom this is the main responsibility in the collaboration, and are not included in the quota.

I propose to include in the shift quota 1) The MOM shifts (MOM = 20 shifts per month), 2) the shifters; shifter training (2 days) is required and is not included in the quota.

Since the total amount of running is difficult to predict in advance I would propose a system that would work as follows:

A total amount of shifts per institute can be estimated to amount on the basis of 125 days (5 user runs with 5 weeks of 5 days each) of running i.e. **at most** 250 shifts to fill + 12 MOM shifts = a grand total of ~480 possible shifts per year.

I would suggest to distribute shifts according to the number of putative signatures to the StepIV paper; to this effect the CB should run through the collaboration institutes to ask how many of their members would like to sign the step IV paper.

Shift quota should be mandatory for signing the papers, for those people eligible to take shifts, namely all PhD holders in the collaboration and all PhD students. (Undergrads and engineers should not normally take shifts, even if their contributions would warrant signing the papers).

The MICE operations manager will manage the attribution of shifts.

