

# Operations

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# User cycles since last CM

ISIS Cycle	Date From	Date To	# Days	1 Feb 17	1 Mar 17	1 Apr 17	1 May 17	1 Jun 17	1 Jul 17	1 Aug 17	1 Sept 17	1 Oct 17	1 Nov 17
2016/05	14 Feb 17	31 Mar 17	45	█									
2017/01	2 May 17	2 Jun 17	31				█						
2017/02	19 Sep 17	27 Oct 27	39								█		

Cycle 2016/05 (1 Feb 17 – 6 Mar 17): Emittance program in flip mode. Shortened run cycle to prepare for LH<sub>2</sub> installation.

Cycle 2017/01 (2 May 17 – 2 June 17): Cycle focussed on preparation for LH<sub>2</sub> installation. Shortened significantly due to tracker cryostat problems which took 2 weeks to diagnose and repair. SS magnets were not energised during this cycle.

# Major issues

- ▶ Tracker issues outlined by Ed
- ▶ Controls and Monitoring: work needed to deal with ALH status
  - ▶ unnecessary repeat alarms
  - ▶ some alarm limits still need to be sensibly defined
  - ▶ shifters need to be more disciplined when silencing alarms.
    - ▶ If a new alarm is silenced put it in the logbooks.
    - ▶ Check alarm status at start of shift with the old shift
      - ▶ Are any silenced? Why?
      - ▶ Request will be included on Shift Operation Checklist
      - ▶ Shift Operation Checklist needs to be reviewed

# MOMs & BLOCs

## MOMs:

We are running out of qualified MOMs as manpower attrition continues.

We really only have 5 experienced MOMs available now : Chris Rogers, Melissa, Victoria, Paul Kyberd and Paolo.

In discussions about staffing of the next user cycle now.

## BLOCs:

We now have more BLOCs and frequently can offer a BLOC from shifter pool in each shift block

There can still be some empty slots.

# Shifts

- ▶ **2017/01 (May/June)** : 87 shifts offered / 87 taken up

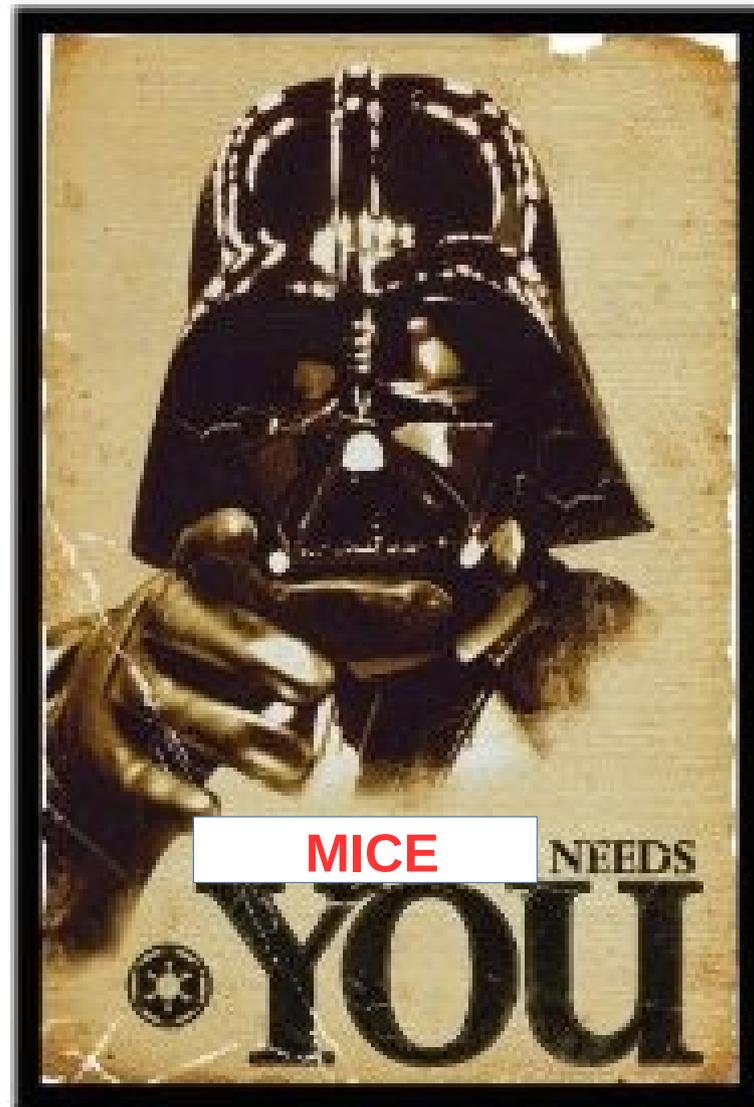
User cycle started with 3 shift blocks of 1 shift per day, followed by a ramp up to one shift block of 24/7 data-taking.

My thanks to all those shifters who signed up and came to take shift even if the shift itself may not have happened.

- ▶ **2017/02 (Sep/Oct)** : Potentially the last data-taking shift of **Step IV MICE**. Not allocated yet but plan to open early in August. Maximum number of shift blocks will be 8, implying at most 48 shifters are needed.

Would like to run 24/7 – depends a bit on summer work progress. Foresee need to monitor magnets and  $LH_2$  so around the clock monitoring will be needed. This has the usual implications on data taking.

# Remember....



# General manpower

- ▶ Our manpower pool for shifts is shrinking.
- ▶ Agreed that each shifter do 15 shifts from June 2016 to June 2017 (including BLOC shifts). This includes the actual shift loads served to date.
- ▶ There are 7 collaborators who have done < 50% shift allocation to date (excluding MOMs and DCs). **The next user cycle is from Sep 19 – Oct 27. Please make a note and reserve some time. I will approach these people first.**

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Cycle 2017/02 (19 Sep 17 – 27 Oct 17): Cycle focussed on running with LH<sub>2</sub> installation.

I expect this user cycle to be devoted to data-taking.

Possibly the last data-taking opportunity so we need to ensure, as much as possible, that we are ready to go well-before hand.

I want to do a preliminary run up in late August/early Sept, with SS magnets if possible, reading out using pulsers to check systems whilst we still have time to fix things before the beam starts.

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I want to do a preliminary run up in late August/early Sept, with SS magnets if possible, reading out using pulsers to check systems whilst we still have time to fix things before the beam starts.

To do this we need : a magnet expert, Durga, a MOM, Henry, Ajit, a tracker expert, Francois (on the phone if necessary).

Hall work schedle and holiday plans in August will constrain when we can do this.

# Summary

- ▶ Manpower pool is decreasing with RAs and students leaving/graduating
- ▶ Makes it all the more important for collaborators who have not yet fulfilled shift quota to step up in the next cycle.
- ▶ The ambition is to run 24/7. Whether we can do so depends on the shift sign up.
- ▶ One more user cycle of data-taking in Step IV. Let's try and make it a good one!

*Thanks to all who have contributed time and effort so far. We need to maintain this a while longer.*