

- ▶ Summary of cycle 2017/02
- ▶ Plans for cycle 2017/03

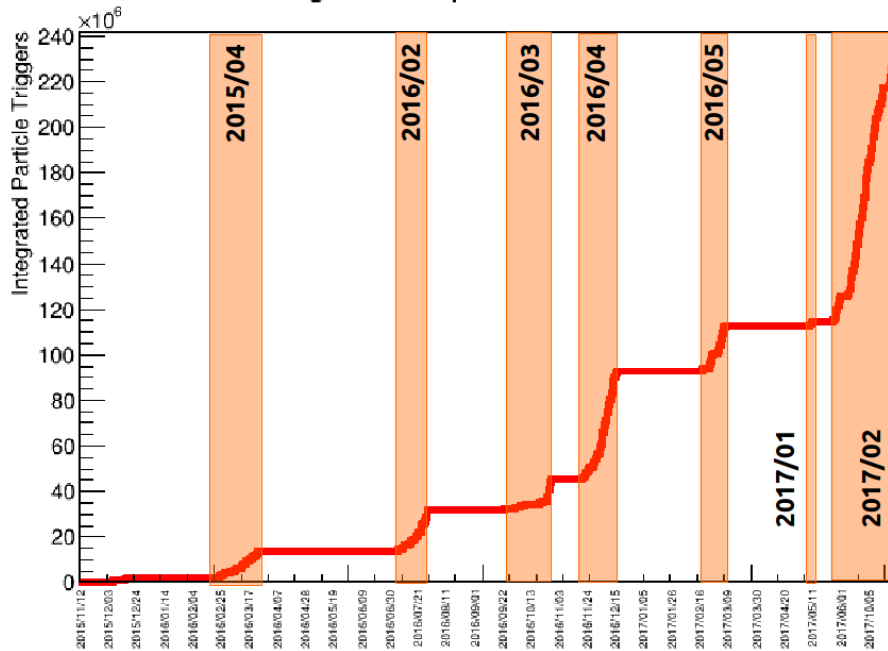
Cycle 2017/02

- ▶ cycle dates : Sep 19 – Oct 29
- ▶ Goals of user cycle :
 - ▶ take data with LH₂ absorber
 - ▶ energise SSU M2 and take LH₂ data
 - ▶ Take empty absorber data

MOM	Date from	Date To
Paolo	12 Sep	27 Sep
Durga	28 th Sep	12 Oct
Melissa	13 Oct	27 th Oct

Cycle summary

Integrated Exposure 2015-2017



- ▶ Very successful cycle
- ▶ LH2 system worked flawlessly thanks to the LH2 team
- ▶ Many SS current settings.
- ▶ Thanks to Josef, Mark, Sandor, John for the magnet support.
- ▶ Data-taking was very smooth
- ▶ Only real issue was ISIS instability

Full LH2 Absorber				
Channel	Run	Solenoid/ Flip?	M2D	Particle triggers (k)
On	2017-02-1	Sol	Off	20796
On	2017-02-2	Sol	Off	6411
On	2017-02-3	Flip	Off	12197
On	2017-02-4	Flip	Off	8010
On	2017-02-5	Sol	On	3990
On	2017-02-6	Sol	On	8019
On	2017-02-7	Flip	On	6450
On	2017-02-8	Flip	On	2684
				68558
Off	Straight			11380
Empty LH2 Absorber				
On	2017-02-7/8	Flip	On	11549
Off	Straight			522
Total				92009

Integrated over (ϵ -p) beam settings
Note paucity of empty absorber settings

Work in the shutdown

Tasks are being planned for the (short) shutdown before the next user cycle now

Task	Time	Progress as of Tuesday
Replace filters in compressors in Hall	1-2 days	In progress
Test AMI controllers	1-2 days	Friday
Partial warming of DS	10 days	Cooling down
Review current alarm limits	1-2 days	Done – some limits need to be changed
Change target patch fibres	1 day	In progress
Restart conventional magnet control crate	0.5 day	Done
Hall AC work	?	This week

Please highlight other tasks to me or Colin ASAP

Cycle 2017/03

We need to address the paucity of the empty absorber dataset

- ▶ Empty absorber data with LH2 absorber vessel in place
- ▶ Empty channel data without absorber, with and without M2 and in solenoid and flip
- ▶ LiH absorber data with M2

We have permission to run for the next cycle : Nov 14 – Dec 20

The start-up checks will be done on Nov 14 and data-taking will start on Nov 15

MOM	Date from	Date To
Durga	13 Nov	26 Nov
Victoria/ Melissa	27 Nov	8 Dec
Paolo	8 Dec	20 Dec

Draft of run plan in 2017-03

		Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th												
		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20												
Startup	Pulser run																																																							
Startup	Beam tuning / Startup																																																							
Absorber	Settings																																																							
	M2D																																																							
LH2 Empty	2017-02-3,4; Flip																																																							
	2017-02-5,6; Solenoid																																																							
	Straight tracks																																																							
	2017-02-1,2; Solenoid																																																							
	Absorber change																																																							
LIH Empty	2017-02-1,2; Solenoid																																																							
	2017-1,2,3; Flip																																																							
	Straight tracks																																																							
	2017-02-1,2,3; Solenoid																																																							
	Absorber change																																																							
LIH Full	2017-02-3,4; Solenoid																																																							
	2017-02-1,2; Flip																																																							
	Contingency																																																							
	Absorber change																																																							
Wedge	2017-02-1,2; Solenoid																																																							
	2017-02-3,4; Flip																																																							

- ▶ Complicated run period involving at least two absorber changes and many different cooling channel magnet settings.
- ▶ Starts with a pulser run at the end of next week (!)
- ▶ Ends with either a week of contingency, or further running. Depends on how we're doing with the program.
- ▶ Assumes 24/7 staffing, that the absorbers can be changed in the short time allocated and that ISIS operations are stable.

We need shifter support!

- ▶ Assuming full 24/7 shift pattern (which we may not get) there are 42 5-day shift slots to fill
- ▶ The shift lists are open : 26 shift slots are currently spoken for. **16 are not.**

Shift block	# shift slots taken	# data-taking hours / day
1	2	8
2	3	8
3	2	8
4	6	24
5	3	8
6	4	16
7	6	24

Currently we **cannot support** the full proposed run plan for the next cycle

Please sign up if you haven't yet or ask members of your group to do so

(ignores any potential monitoring shifts)

* You should only sign up to shifts **MARKED IN ORANGE** if you have done at least 5 days of shifts previously.

November 2017

today < >

Mon	Tue	Wed	Thu	Fri	Sat	Sun
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	1	2	3
4	5	6	7	8	9	10

- Superuser
- Change Clearance
- Logout
- Index Page
- Institution List
- Collaboration List
- Find by Activities
- Shift Calendar
- Open Shifts
- Today's Shifts
- Next Two Weeks of Shifts
- Shifts by Institution
- Index of Shift Periods
- List of Shifters
- Shift Manager Interface



Empty slots are rather front-loaded

Many academics are teaching in this period (myself included). If you can do a later period, but it's full, please email me and I'll see if we can set up a swap.

Please ask RA's/students to see if they can help!

To those who have signed up so far

- ▶ Thank you
- ▶ Please book your accommodation now through the online ISIS Visitor gateway (as requested by Debbie)
- ▶ Requests submitted after Dec 15th will not be dealt with until the New Year so it is important that you do it ASAP.