

PD WEEKLY SUMMARY

PROGRAM DEPUTY: Arne

DATE (from): Wednesday January 10, 2018

DATE (to): Wednesday January 17, 2018

PROGRAM (last week)

- DONE: Complete restoration
- Subjective, but DONE! Initiate with vigor the Winter/Spring 4-hall Physics Program

PROGRAM GOALS (last week)

MUST:

- DONE: Establish CW beam to all Halls
- DONE: Establish CW beam to all Halls simultaneously

SHOULD:

- DONE: Establish CW beam at the User requested current to all Halls simultaneously
- Perhaps: Engage slow locks (orbit, current) throughout the machine
- No: Engage Fast Feedback (FFB) orbit locks in A & C and FFB energy lock in either A or C

LIKE:

- Firm up near term schedule of pass changes, polarization measurements, beam currents
- Make 4-Hall operations routine and boring.

PD WEEKLY SUMMARY

AVAILABILITY SUMMARY

Table 1: Beam to Halls for the Preceding Week (*)
(Wednesday 07:00 - Wednesday 07:00)

	PD Scheduled (hours)	Actual Hall Program (hours)	Accelerator Availability (%)	Acceptable Beam in Use (%)	Hall Availability (%)
Hall A	92.0	141.0	63.0	44.7	83.1
Hall B	58.0	111.0	44.9	36.7	95.4
Hall C	92.0	120.0	58.5	38.8	94.4
Hall D	92.0	143.0	58.2	47.3	90.7

Table 2: Accelerator-Specific Activities for the Preceding Week (*)
(Wednesday 07:00 - Wednesday 07:00)

	PD Scheduled (hours)	Actual (hours)
Acc. Beam Studies	0.0	0.0
Acc. Restoration	72.0	50.4
Acc. Config. Change	4.0	2.4
Sched. Acc. Down	0.0	0.0

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Table 3: Access Times for the Preceding Week (*)
(in hours, Wednesday 07:00 - Wednesday 07:00)

	Hall A	Hall B	Hall C	Hall D	Accel.
PCC - Planned Configuration Change	0.0	0.0	0.2	0.0	0.0
Repair/Investigate	5.0	0.4	4.1	2.7	0.0
Opportunistic	1.7	0.0	1.2	0.2	0.0
Other	0.0	0.0	0.4	0.2	0.0
Total Access Time	6.7	0.4	5.9	3.1	0.0

NOTE: The values in Table 3 are based on numbers from the PSS log book.

TEST PLANS COMPLETED

SIGNIFICANT ACHIEVEMENTS

- Four Hall Operation
- Correctly nailed Wien setting for Hall-B

SIGNIFICANT MAINTENANCE/MACHINE DEVELOPMENT ACTIVITIES

SIGNIFICANT PROBLEMS PENDING

- RF gradient
- 5-pass separator control loops, lack of margin
- MYA8T01 temperature rise
- Separation viewers ATE01, Lambertson
- Flu season

Physics Time Accounting

Available Beam from January 10 - 17, 2018 (07:00 - 07:00)

<input type="checkbox"/> Any Up					56.6
	A	B	C	D	
<input type="checkbox"/> Sched.	92.0	58.0	92.0	92.0	
<input type="checkbox"/> UP	45.4	22.6	44.0	51.4	
<input type="checkbox"/> ABU	63.0	40.8	46.6	67.7	
<input type="checkbox"/> BANU	24.3	7.8	18.9	13.9	

FSD Trip Summary

January 10 - 17, 2018

PD WEEKLY SUMMARY

PROGRAM (upcoming week)

- **Four Hall** Physics Program
 - A5-B1-C3-D5.5 -> A5-B5-C5-D5.5

HALL WITH BEAM DELIVERY PRIORITY

- C(up to Sat), B(up Wed)

PROGRAM GOALS (upcoming week)

MUST:

- Effective execution of a configuration change: All 4-halls on 5th pass
 - Last configuration change for this run period!
- RF recovery on Tuesday

SHOULD:

- Parasitically push C100 gradients
- Perform Beam Studies

LIKE:

- Prepare everyone for the next PD