

Beam Plan for 2018

Nobuhiro Terunuma, KEK

Budget for electricity

- It is out of the ATF maintenance budget; i.e., KEK pays the electricity charge based on the results of past years.
- In December 2017, KEK electricity management division requested a plan of operation to each accelerator group based on an expected price of electricity in 2018. It will be reduced about 20%.
- **I submitted a form with maximum slots for beam assuming the same amount as the total expenses of electricity charge in 2017.**

Budget for ATF Operation/Maintenance

- **The budget for ATF** (excluded the electricity) will be similar to 2017 and **will fixed in early April.**
- KEK will distributed the R&D budget to each program, ILC, KEKB, J-PARC, etc., then ILC to ATF, STF and other ILC activities.
- It will be OK to keep the ATF maintenance workers if we assume a similar amount as 2017.
- **If this allocation is reduced, we should reduce the beam weeks in winter period.**
- **I would like to fix a schedule before summer.**

ATF FY2018 Schedule (proposal to KEK)

Beam

Event

Holiday

Additional Beam?

2018.2.9 N.Terunuma

April 2018						
Su	Mo	Tu	We	Th	Fr	Sa
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					

May 2018						
Su	Mo	Tu	We	Th	Fr	Sa
		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	31		

June 2018						
Su	Mo	Tu	We	Th	Fr	Sa
					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

5/28-6/1 AWLC2018, Fukuoka

July 2018						
Su	Mo	Tu	We	Th	Fr	Sa
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	31				

August 2018						
Su	Mo	Tu	We	Th	Fr	Sa
			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	31	

8-10 Annual meeting of Japan Accelerator Society

September 2018						
Su	Mo	Tu	We	Th	Fr	Sa
						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						

October 2018						
Su	Mo	Tu	We	Th	Fr	Sa
	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	31			

November 2018						
Su	Mo	Tu	We	Th	Fr	Sa
				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	

December 2018						
Su	Mo	Tu	We	Th	Fr	Sa
						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	31					

Texas

January 2019						
Su	Mo	Tu	We	Th	Fr	Sa
		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	31		

February 2019						
Su	Mo	Tu	We	Th	Fr	Sa
					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		

March 2019						
Su	Mo	Tu	We	Th	Fr	Sa
					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

Make a draft for April, May and June.

Issues to be considered for discussion

- **mOTR recovery for emittance measurement**
- **Continuous small beam tuning as long as possible**
 - Keep the beam line condition
 - Constraint to the other R&D
- **Make clear what we should survey!**
 - DR condition
 - Extraction from DR
 - Condition of devices (**mOTR**, YAG, Collimator, **IPBPM**,...)
 - Improvement of software for operators
 - Easy accessible online manual/help
 - What should be displayed on the control panels?

Discussion

April 2018						
Su	Mo	Tu	We	Th	Fr	Sa
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					

IPBPM mover replacement

mOTR checkout w/o beam

mOTR checkout with beam

IPBPM checkout with beam 4/16-27

May 2018						
Su	Mo	Tu	We	Th	Fr	Sa
		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	31		

IPAC 4/30-5/4

FJPPL 5/9-11

chDR installation 5/7-11

Up.FONT 5/14-25

Low beta, comm.chDR 5/14-

AWLC 5/28-6/1

5/28-6/1 AWLC2018, Fukuoka

June 2018						
Su	Mo	Tu	We	Th	Fr	Sa
					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

WFS 6/11-

chDR meas. 6/11-

GM 6/18-22