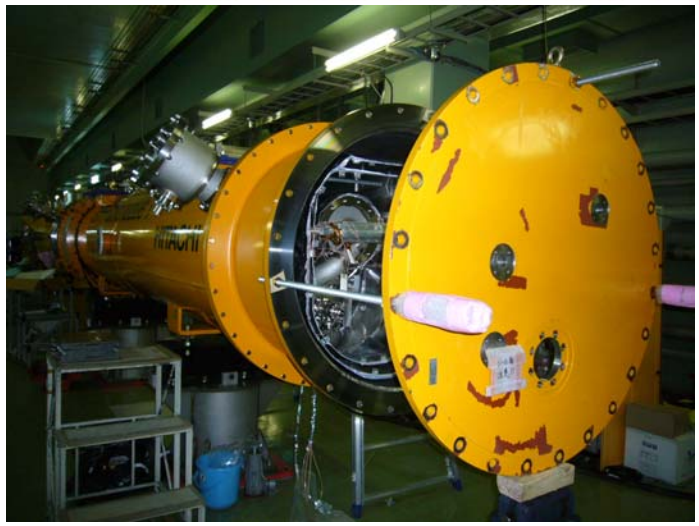
Status of S1-Global Cryomodule

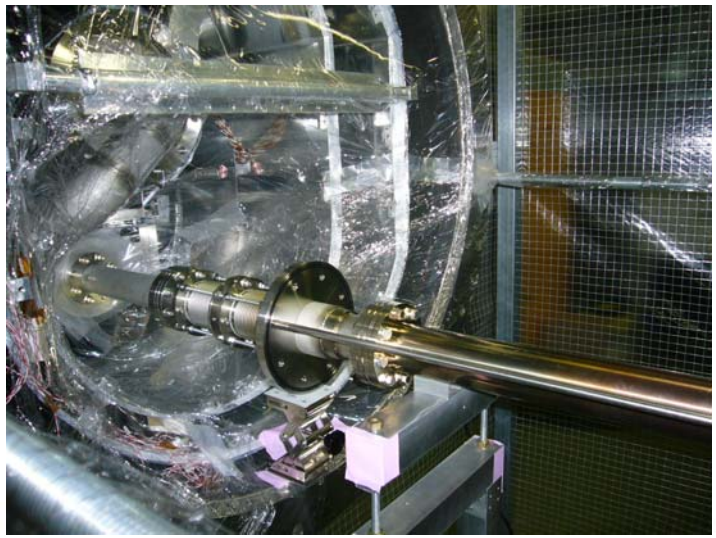
Eiji Kako
(KEK, Japan)

Cryomodule-A

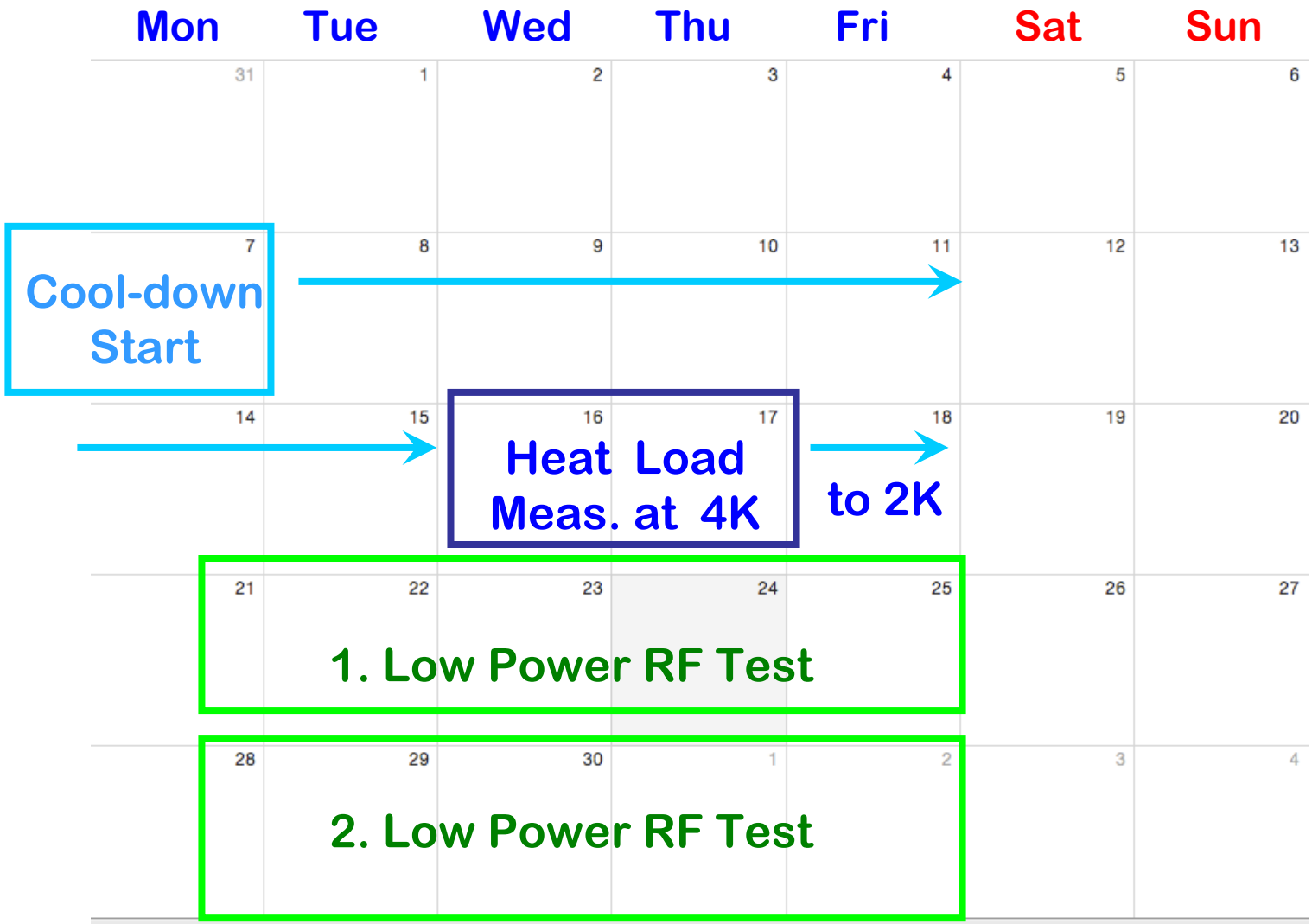


2010,
May 11

Connection of Beam Tubes



June, 2010


Mon
Tue
Wed
Thu
Fri
Sat
Sun
31
1
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3
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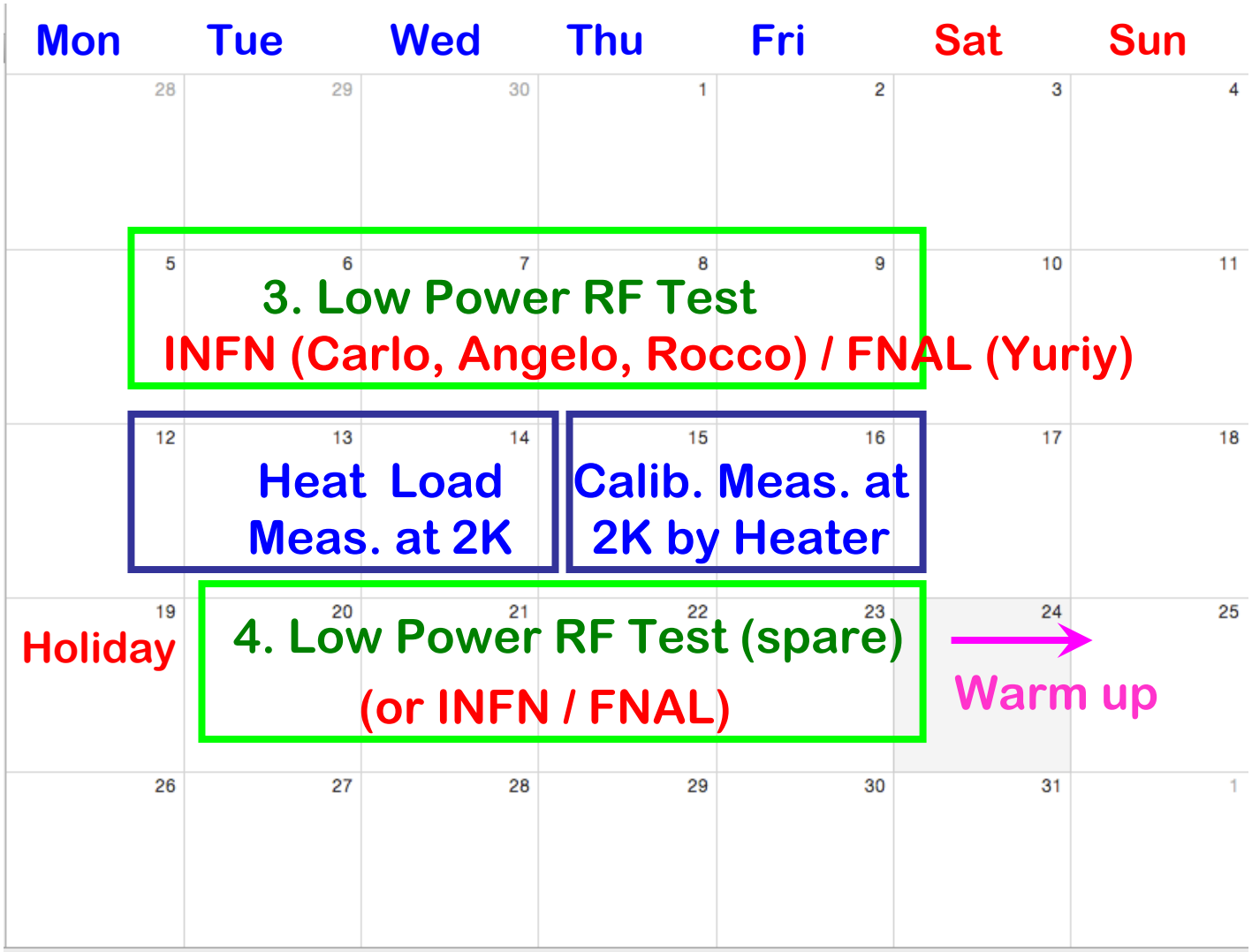
7
8
9
10
11
12
13
Cool-down Start
14
15
16
17
18
19
20
Heat Load Meas. at 4K
to 2K
21
22
23
24
25
26
27
1. Low Power RF Test
28
29
30
1
2
3
4
2. Low Power RF Test

July, 2010


Mon
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Thu
Fri
Sat
Sun
28
29
30
1
2
3
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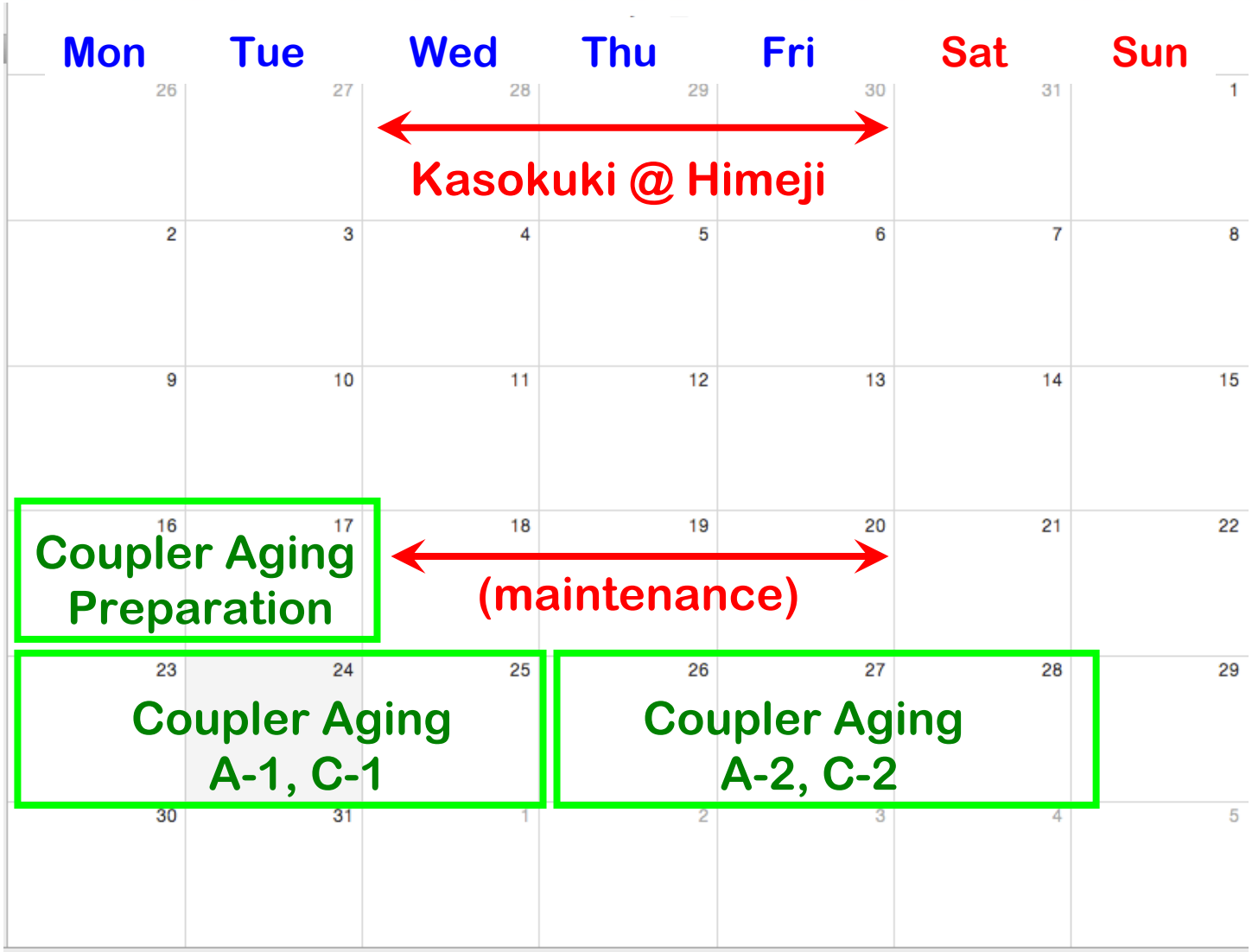
10
11
3. Low Power RF Test
INFN (Carlo, Angelo, Rocco) / FNAL (Yuriy)
12
13
14
15
16
17
18
Heat Load
Meas. at 2K
Calib. Meas. at
2K by Heater
19
20
21
22
23
24
25
Holiday
4. Low Power RF Test (spare)
(or INFN / FNAL)
Warm up
26
27
28
29
30
31
1

Plan of Low Power RF Tests

Cryomodule-C	A (AES004)	B (ACC011)	C (Z108)	D (Z109)	RF Source
Cryomodule-A	E (MHI-05)	F (MHI-06)	C (MHI-07)	D (MHI-09)	RF Source
Low Power Test (1)	22 (Tue)	23 (Wed)	24 (Thu)	25 (Fri)	
Tuner Stroke & Hysteresis	2.0 h	2.0 h	2.0 h	2.0 h	Network Analyzer
Variable Input QL	1.0 h	1.0 h	1.0 h	1.0 h	Network Analyzer
Monitor Qt, HOM Qext	1.0 h	1.0 h	1.0 h	1.0 h	Network Analyzer
Piezo Stroke & Hysteresis	2.0 h	2.0 h	2.0 h	2.0 h	Network Analyzer
Piezo Reproducibility	1.0 h	1.0 h	1.0 h	1.0 h	Network Analyzer
Cryomodule-A, C					
Low Power Test (2)	29 (Tue)	30 (Wed)	01 (Thu)	02 (Fri)	
Input QL, Qt Calibration	1.0 h	1.0 h	1.0 h	1.0 h	50W RF Amp.
Piezo; Single Pulse Response	4.0 h	4.0 h	4.0 h	4.0 h	50W RF Amp.
Mechanical Vibration Mode	2.0 h	2.0 h	2.0 h	2.0 h	50W RF Amp.
Cryomodule-A, C					
Low Power Test (3)	05 (Tue)	06 (Wed)	07 (Thu)	08 (Fri)	
	Cryomodule-A; KEK				
Piezo; Double Pulse Response	3.0 h	3.0 h	3.0 h	3.0 h	50W RF Amp.
Piezo; Multi Pulse Response	4.0 h	4.0 h	4.0 h	4.0 h	50W RF Amp.
	Cryomodule-C; INFN / FNAL Colleagues				

August, 2010


Mon
Tue
Wed
Thu
Fri
Sat
Sun
Kasokuki @ Himeji
Coupler Aging Preparation
(maintenance)
Coupler Aging A-1, C-1
Coupler Aging A-2, C-2

September 2010