

STF status 09252012

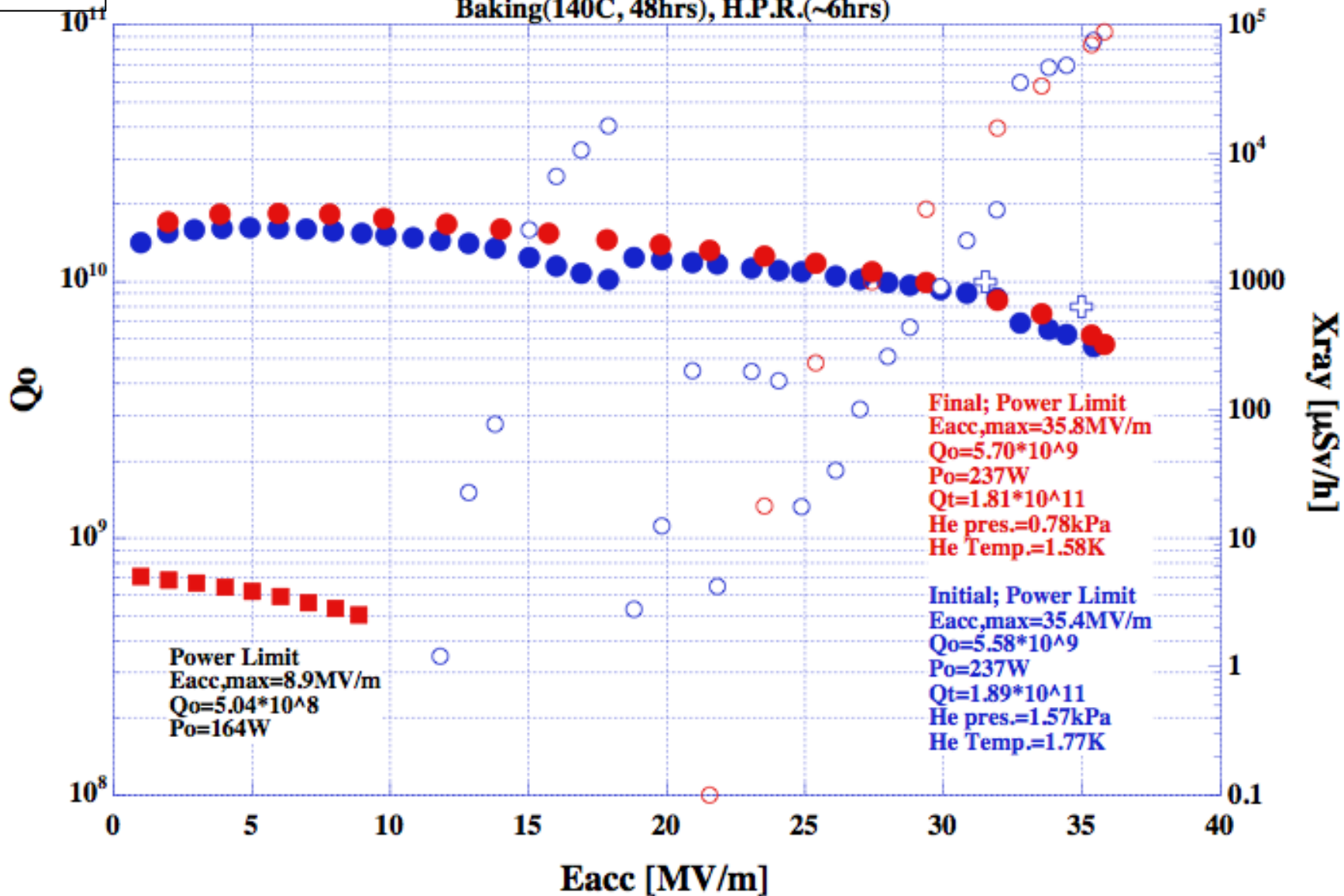
H. Hayano

MHI-022

- Qo pi-mode initial [1.71-1.80K]
- Qo pi-mode final [1.48-1.58K]
- Qo pi-mode [4.2K]
- + ILC spec.

- X-ray pi-initial
- X-ray pi-final

MHI No.22 2nd. Vertical Test 09/13/2012  
EP-II(5 $\mu$ m), Water flow(1.5hrs), FM\_20 2%(50C,15min),  
Baking(140C, 48hrs), H.P.R.(~6hrs)

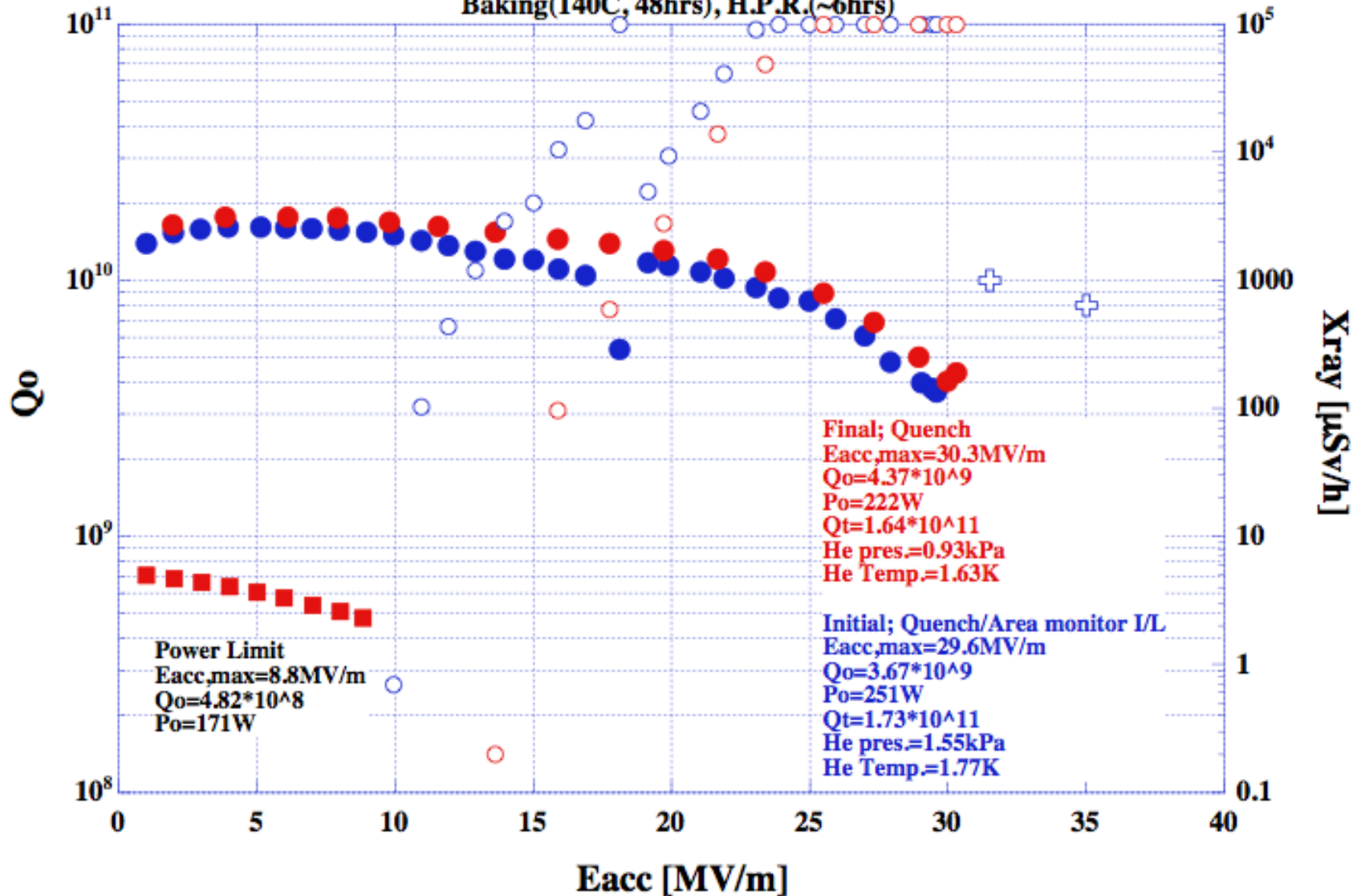


MHI-018

- Qo pi-mode initial [1.71-1.79K]
- Qo pi-mode final [1.55-1.63K]
- Qo pi-mode [4.2K]
- + ILC spec.

- X-ray pi-initial
- X-ray pi-final

MHI No.18 3rd. Vertical Test 09/20/2012  
EP-II(5 $\mu$ m), Water flow(1.5hrs), FM\_20 2%(50C,15min),  
Baking(140C, 48hrs), H.P.R.(~6hrs)



# STF cavity vertical test status (2010-2012)

⊙, ○ :ILC spec. clear

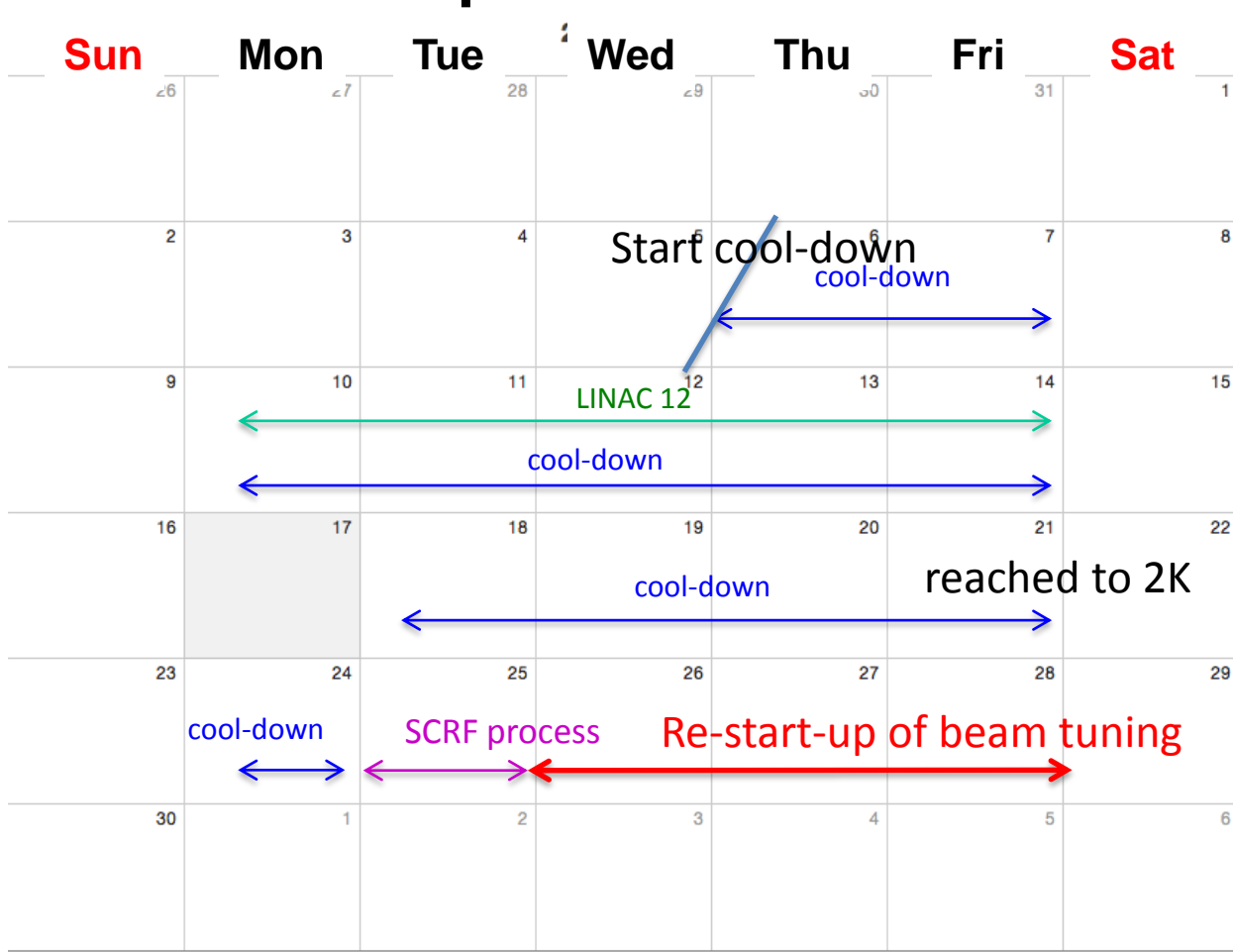
## • 2010-2012 MHI cavities

name	reached gradient	to be installed	
⊙ MHI-012	40.7MV/m	for capture cryomodule	] Capture cryomodule
○ MHI-013	32.2MV/m	for capture cryomodule	
⊙ MHI-014	36.6MV/m	for CM-1 ILC cryomodule	] CM-1 Cryomodule candidates
⊙ MHI-015	35.7MV/m	for CM-1 ILC cryomodule	
○ MHI-016	33.8MV/m	for CM-1 ILC cryomodule	
⊙ MHI-017	38.4MV/m	for CM-1 ILC cryomodule	
○ MHI-018	30.3MV/m	for CM-1 ILC cryomodule (field emission)	
⊙ MHI-019	37.2MV/m	for CM-1 ILC cryomodule	
○ MHI-020	28.5MV/m	for CM-1 ILC cryomodule (field emission)	
⊙ MHI-021	38.9MV/m	for CM-1 ILC cryomodule	
⊙ MHI-022	35.8MV/m	for CM-1 ILC cryomodule	

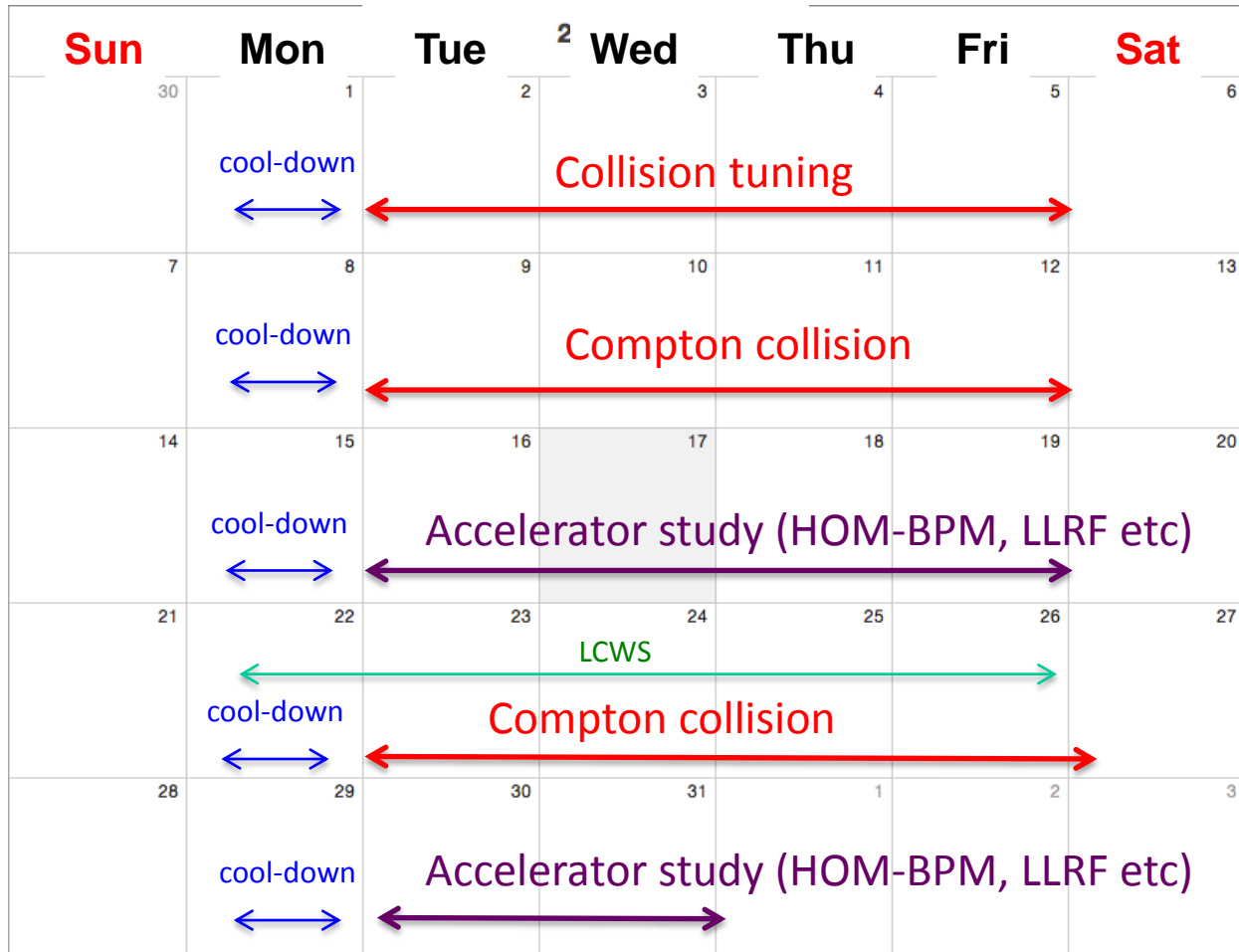
## • 2010-2012 other vander cavities

TOS-02(w/o HOM):	1-st VT: 31.2MV/m, 2-nd VT:32.7MV/m
⊙ HIT-02(with HOM):	1-st VT: 35.2MV/m, 2-nd VT:40.9MV/m
KEK-00(w/o HOM):	1-st VT: 26MV/m, 2-nd VT:29MV/m, 3-rd VT:24MV/m
KEK-01(with HOM):	under fabrication to be finished on November

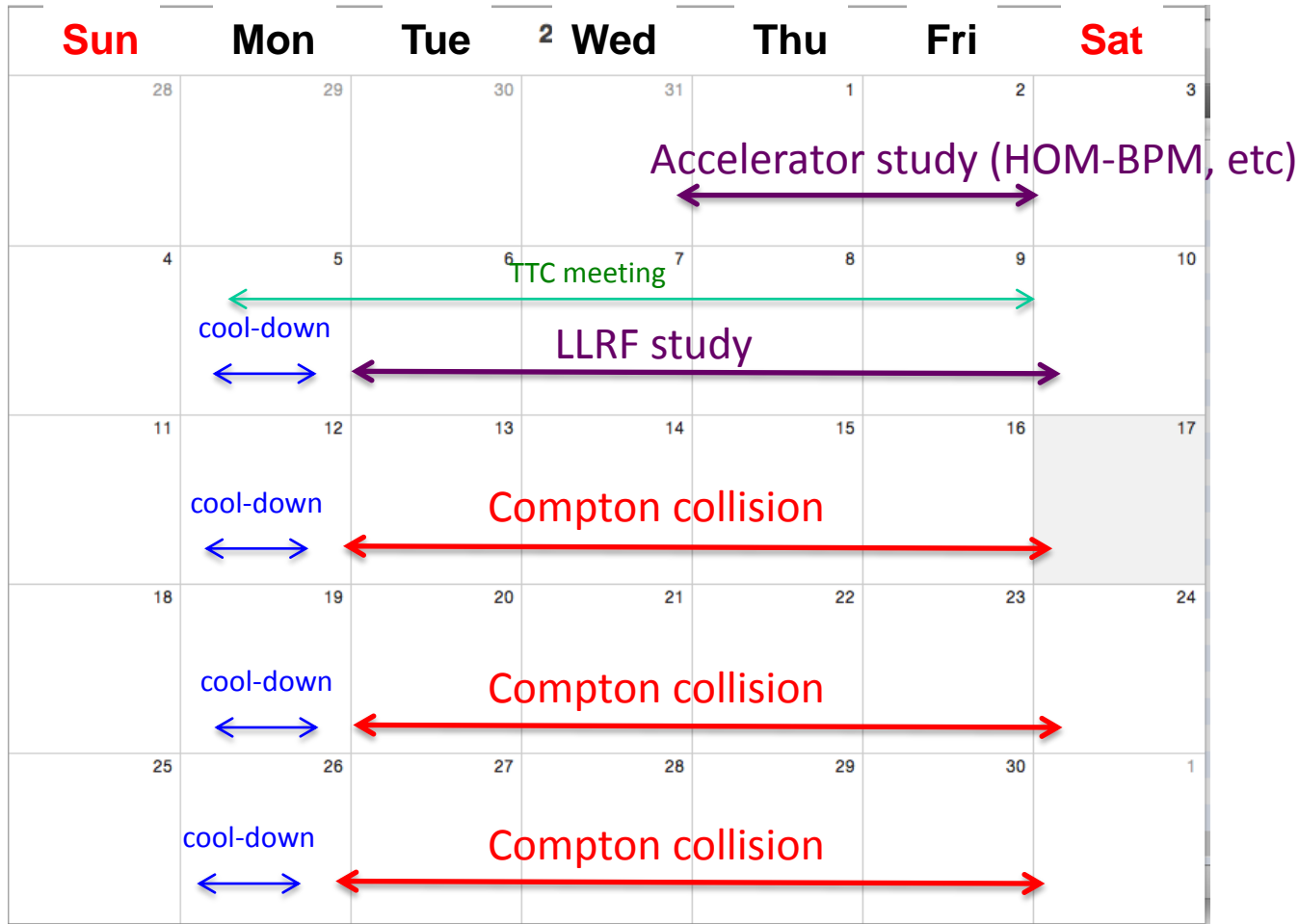
# September 2012



# October 2012



# November 2012



# December 2012

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	1
2	3	4	5	6	7	8
	Quantum-Beam Symposium					
	cool-down		Accelerator study (LLRF, cavity, RF-gun)			
9	10	11	12	13	14	15
	cool-down		Accelerator study (LLRF, cavity, RF-gun)			
16	17	18	19	20	21	22
	cool-down		Accelerator study (LLRF, cavity, RF-gun)			
23	24	25	26	27	28	29
						<b>December 21: run-end</b>
30	31	1	2	3	4	5