



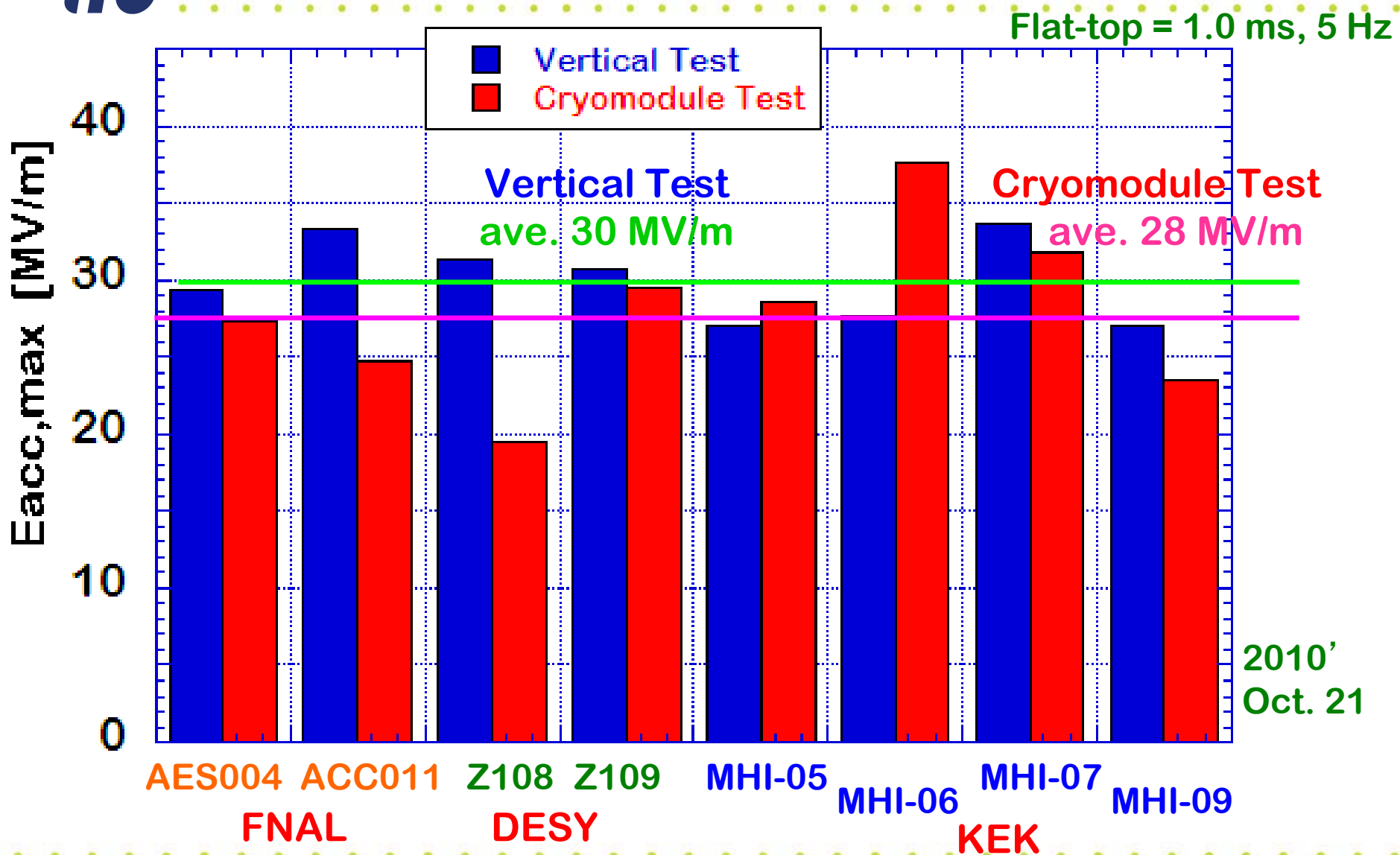


# Outline

- High field performance of 8 cavities
- Lorenz detuning at flat-top
- Schedule in Nov. and Dec., 2010
  1. LFD compensation by KEK hardware
  2. Dynamic heat load measurements  
in each cavity, 4 cavities, 8 cavities
  3. LLRF control exp. in 8 cavities
- Schedule in Jan. and Feb., 2011
  4. DRFS (distributed RF system) exp.

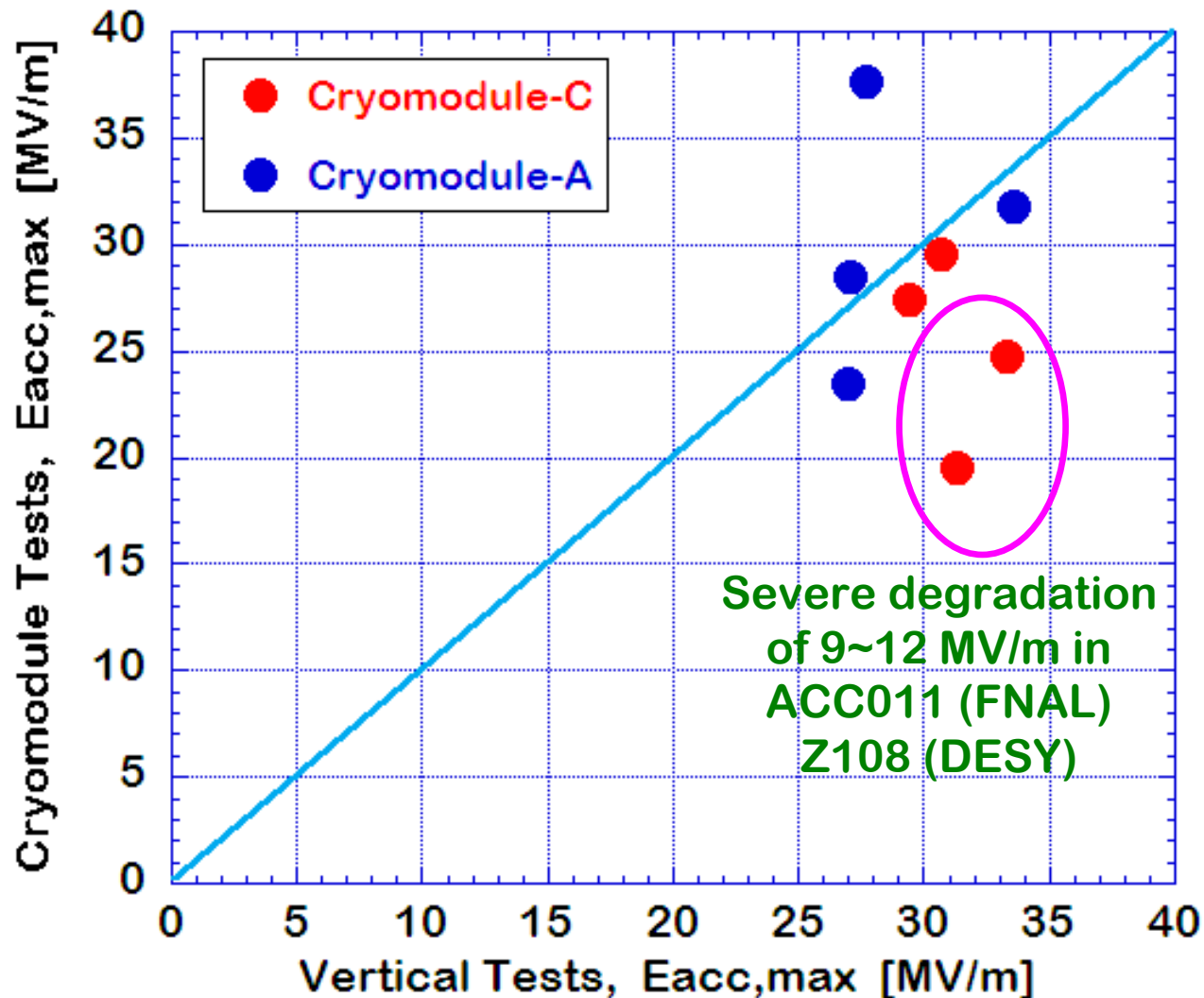


# Comparison of VT and CT





# Comparison of VT and CT



ave. Eacc,max  
= 25.3 MV/m  
(Cryomodule-C)

ave. Eacc,max  
= 30.4 MV/m  
(Cryomodule-A)



# Lorentz detuning experiments

A1/MHI-05

28 MV/m

A2/MHI-06

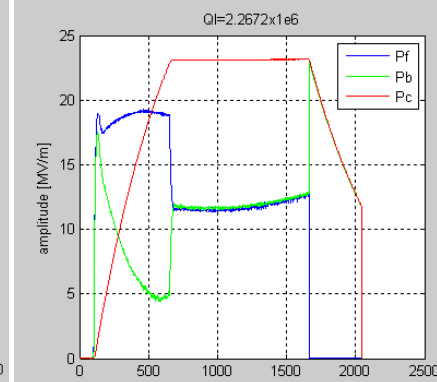
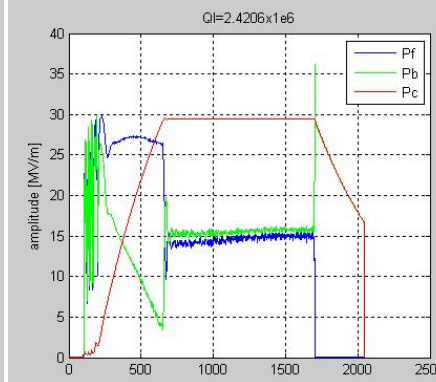
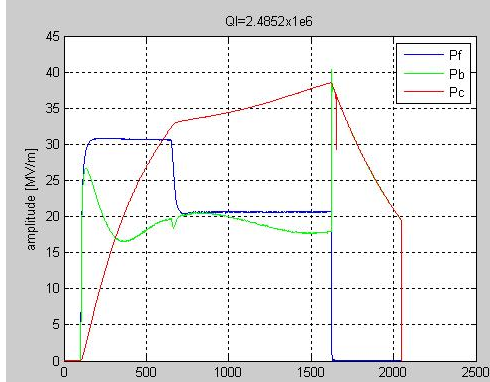
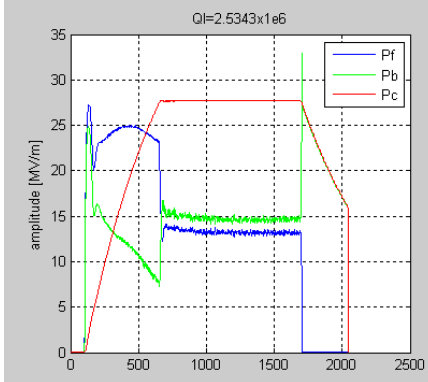
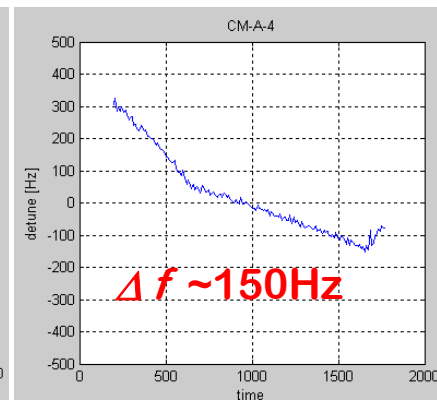
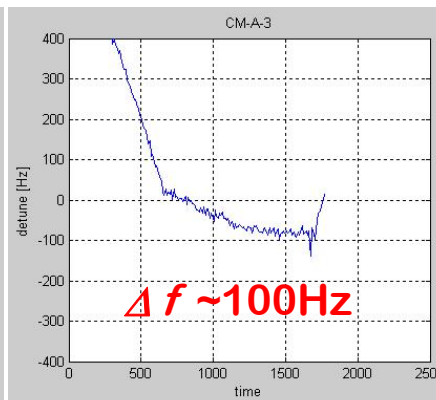
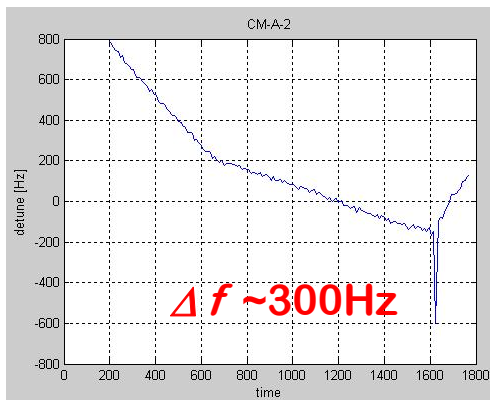
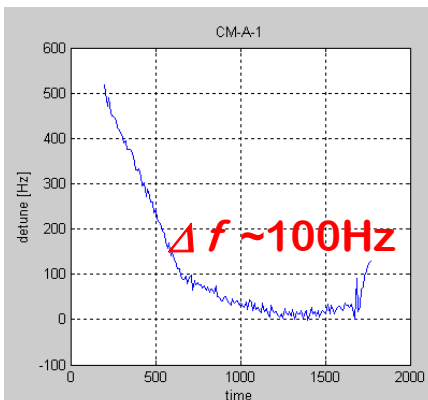
35 MV/m

A3/MHI-07

30 MV/m

A4/MHI-09

23 MV/m



FB/on, Piezo/off

FB/off, Piezo/off

FB/on, Piezo/off

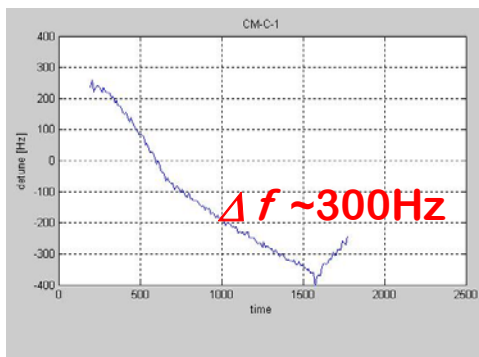
FB/on, Piezo/off



# Lorentz detuning experiments

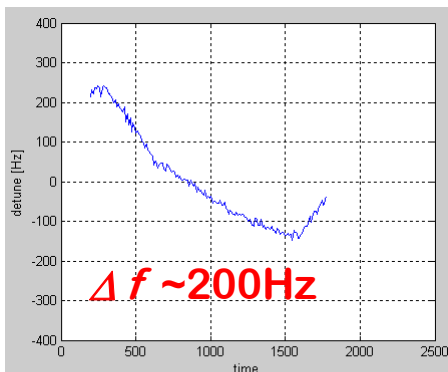
C1/AES004

26 MV/m



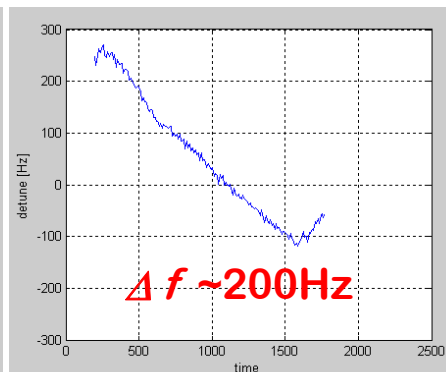
C2/ACC011

22 MV/m



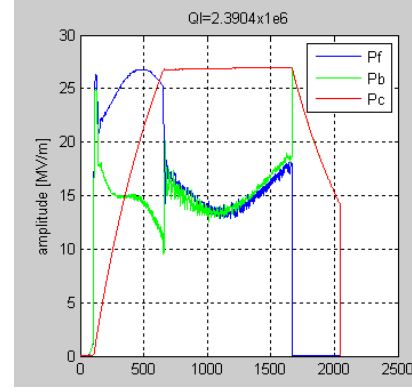
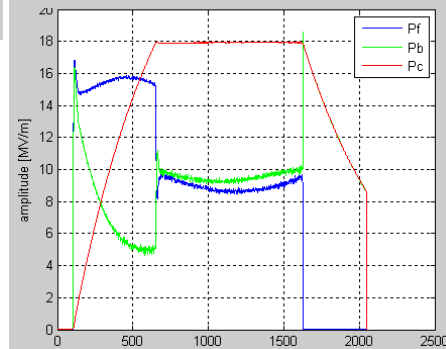
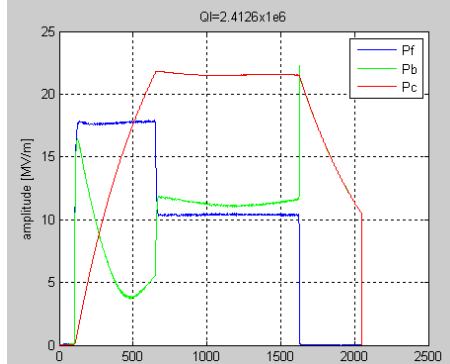
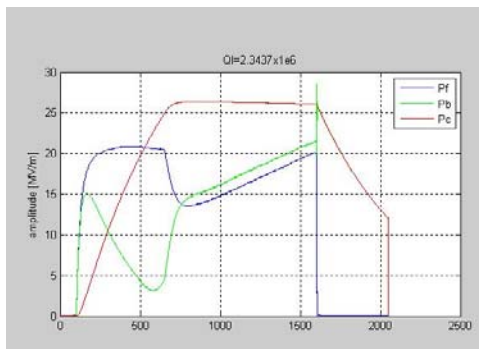
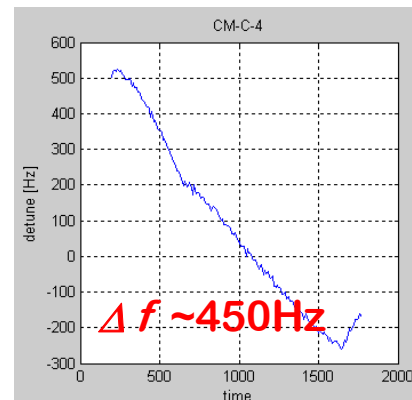
C3/Z108

18 MV/m



C4/Z109

27 MV/m



FB/on, Piezo/off

FB/off, Piezo/off

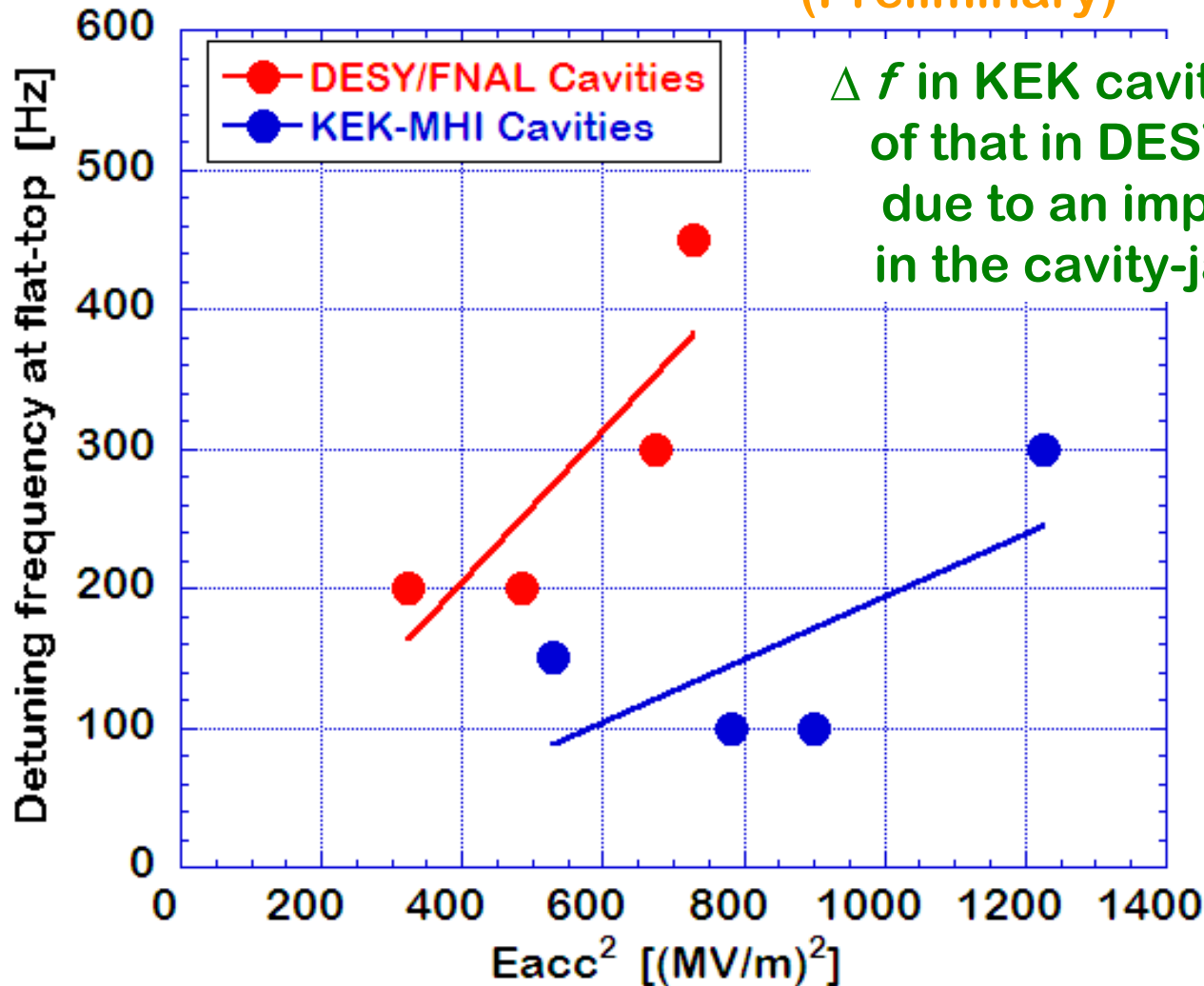
FB/on, Piezo/off

FB/on, Piezo/off



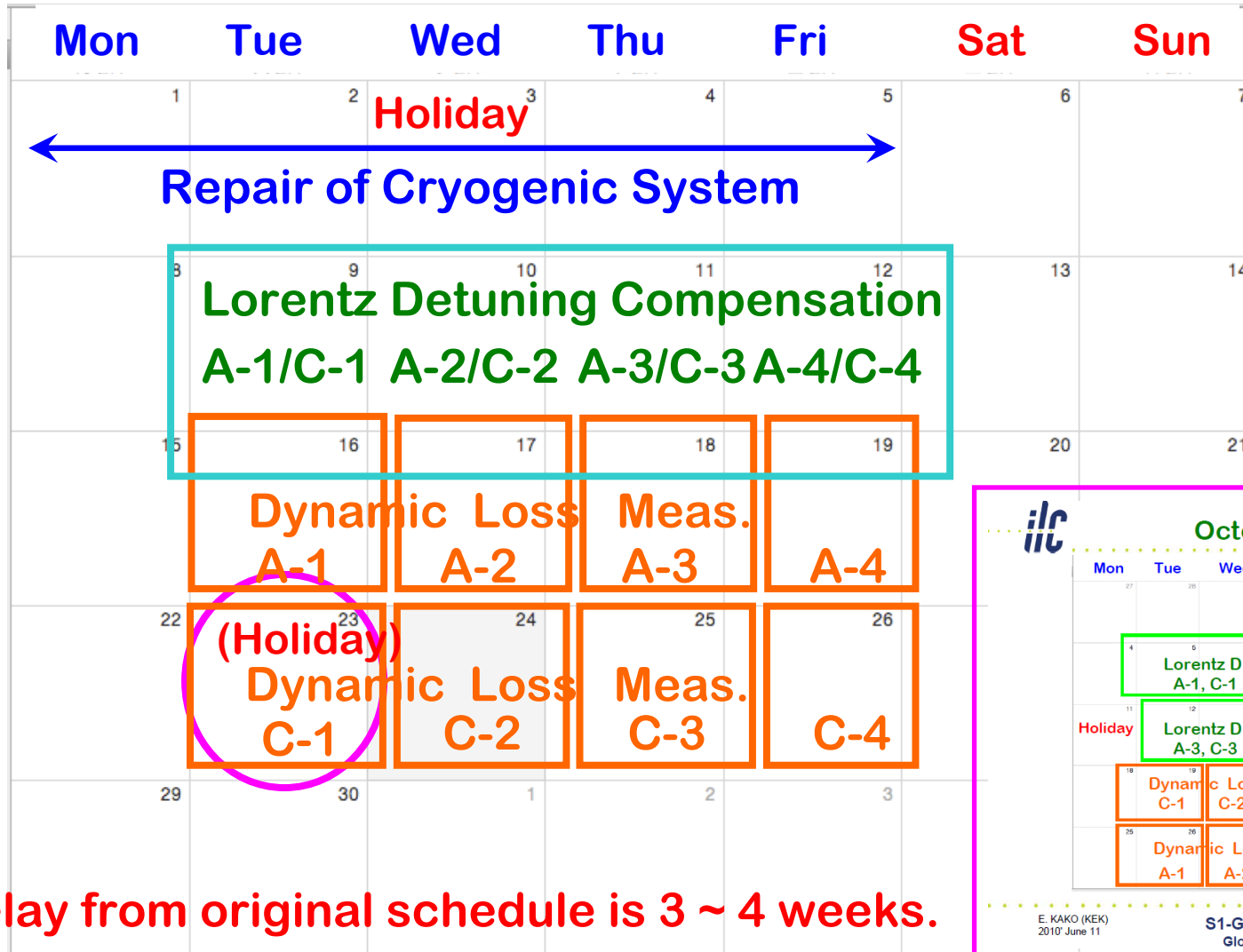
# Lorentz force detuning at flat-top

(Preliminary)

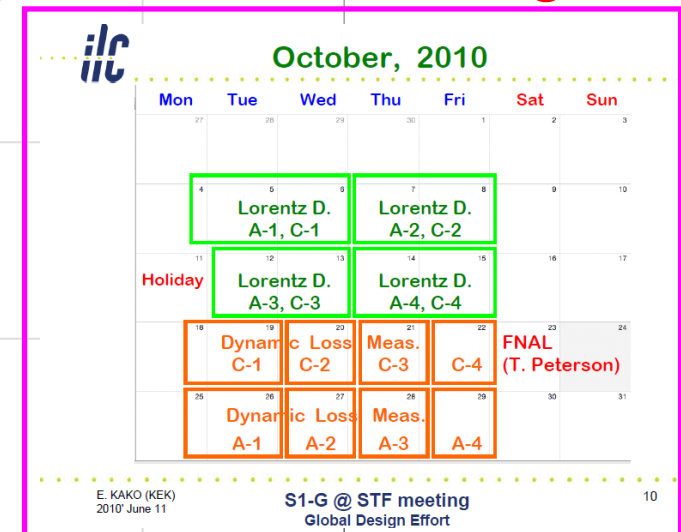




# November, 2010



original



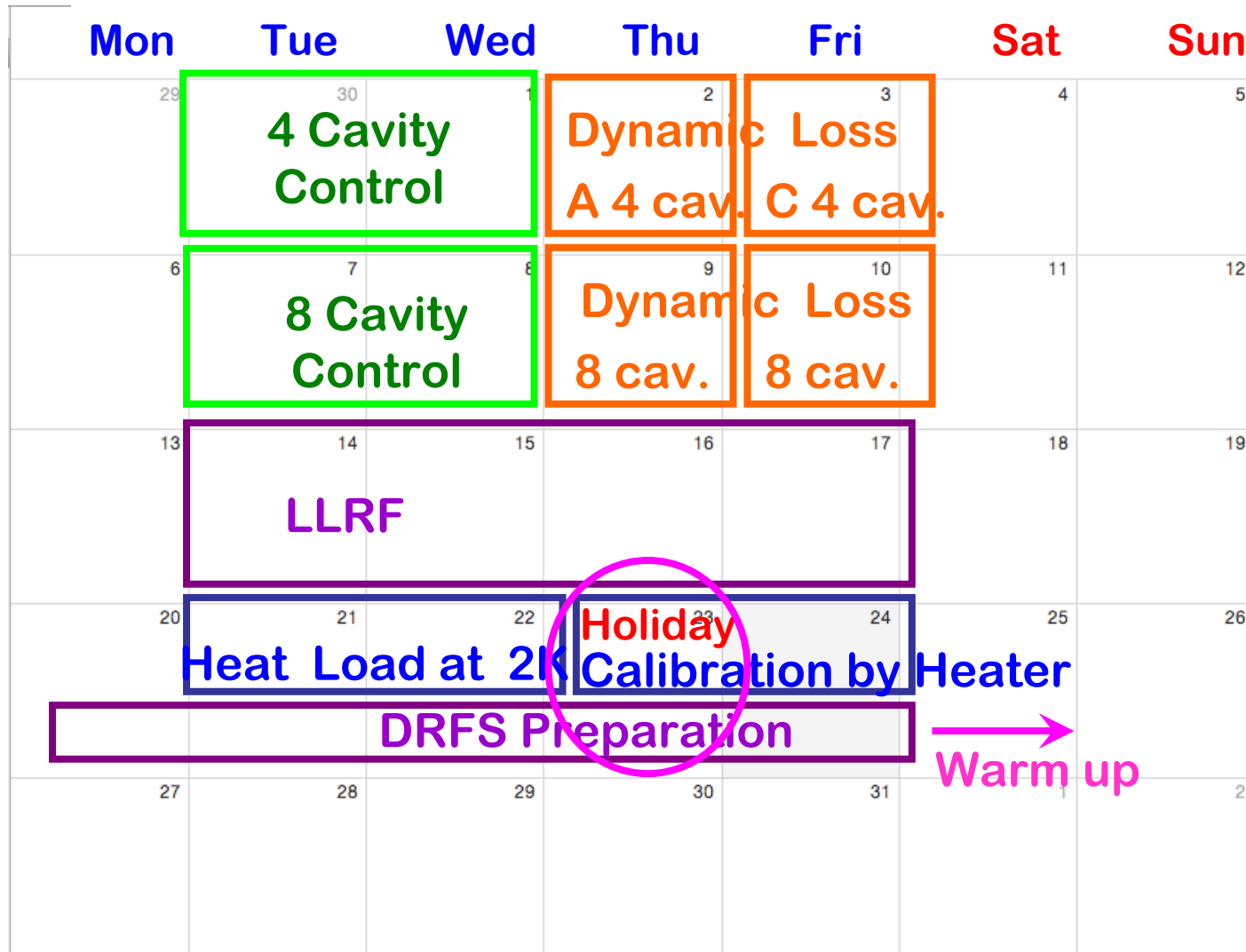
Delay from original schedule is 3 ~ 4 weeks.





# December, 2010

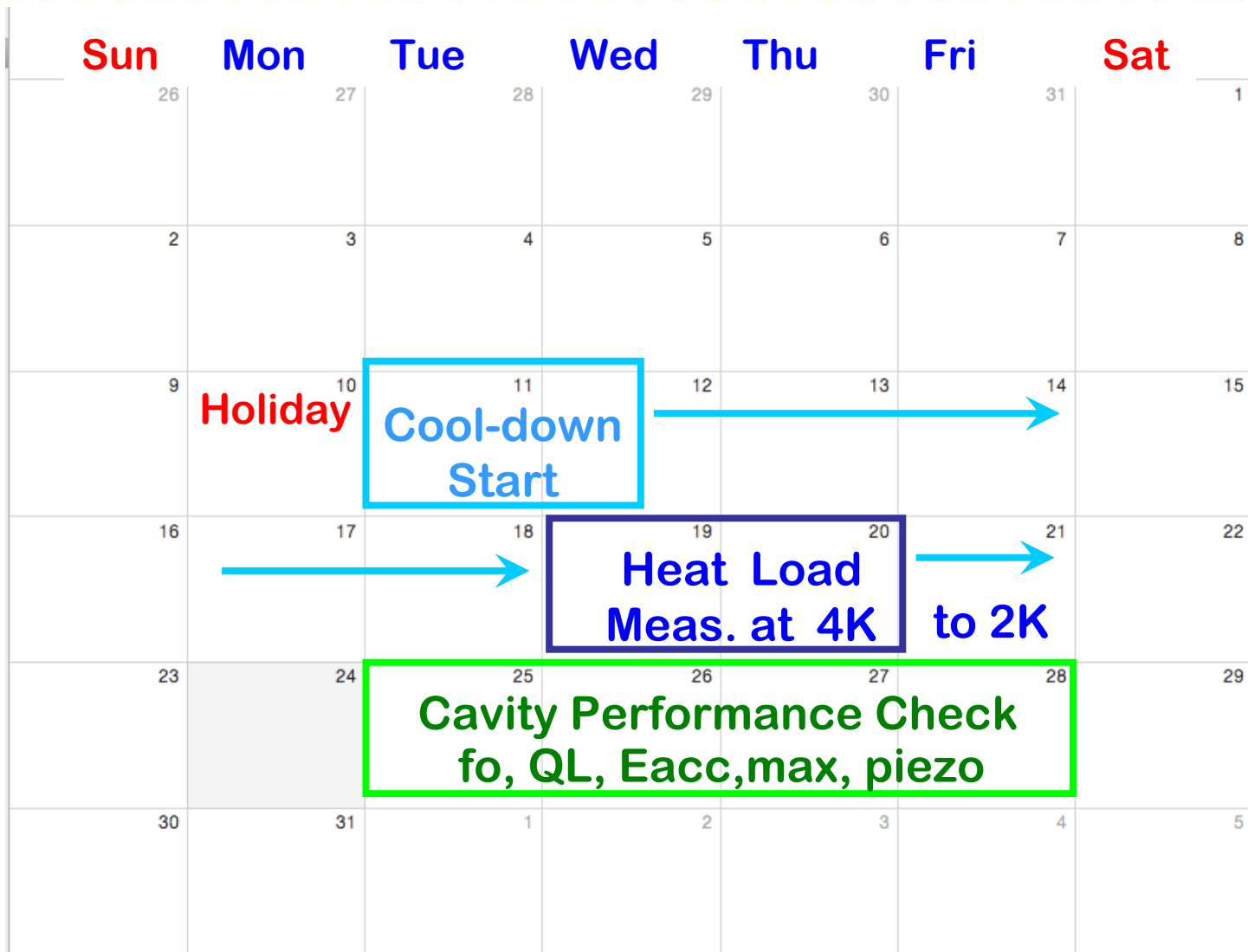
(under discussion)





# January, 2011

(under discussion)





# February, 2011

(under discussion)

