20170322
STATUS REPORT

Ahram lee

TOF Detector Preparation

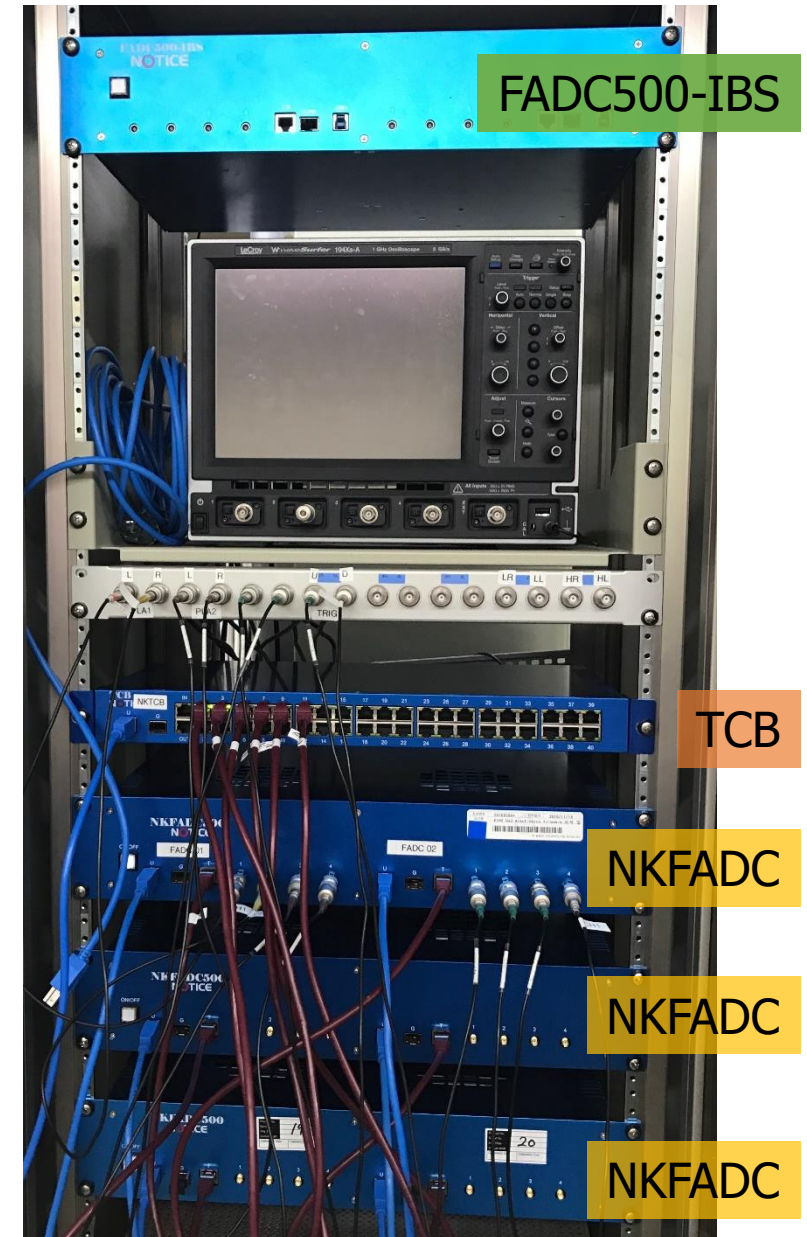## Progress – new FADC & DAQ installed

On 03/16 (Thu),
2 more FADCs and TCB are arrived.
    NKFADC – 500MHz data sampling
            2V/12bit dynamic range
            4ch/mod * 2mod
    TCB –   ch1~20 (FADC)

Also, new DAQ system which is used in IBS
is installed.

FADC500-IBS

TCB

NKFADC

NKFADC

NKFADC

TOF Detector Preparation

3bar2trig test with NKFADC

From 03/17(Fri) to 03/22(Web),
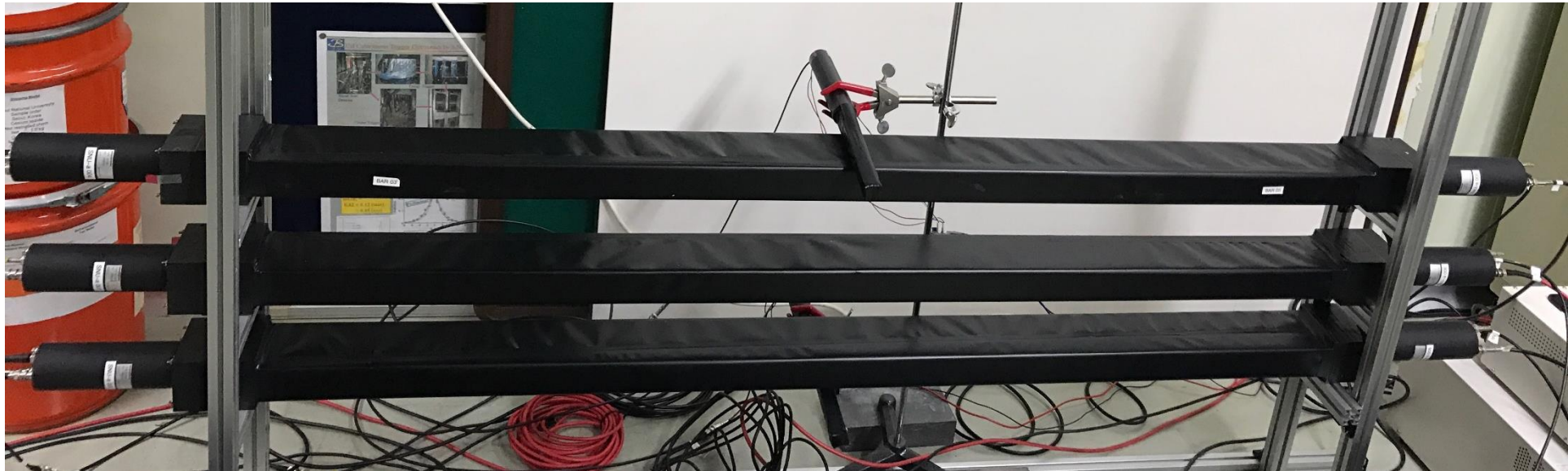About 1,500 cosmic ray signals are selected and saved which have <u>8ch</u> coincidence.

6ch : attached to 3bar(H7195)
2ch : attached to 2trig

~ 12 counts/hour
~ 300 counts/day
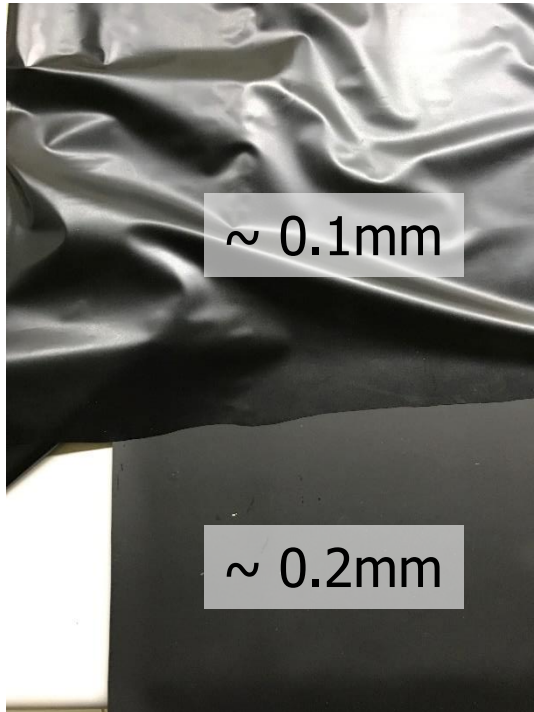
2 trig are situated at center(0cm).

TOF Detector Preparation
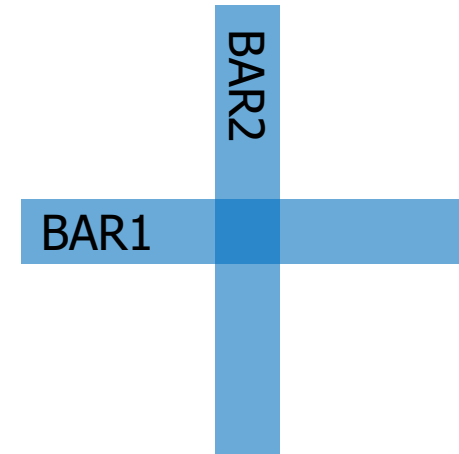## Reflector test, with kyung-ro

2 plastic scintillation bars are shielded
by (aluminum foil) + (thin black sheet).

~ 0.02mm   ~ 0.1mm

~ 0.1mm

~ 0.2mm

After preparation of BNC, HV cables,
Test will be proceed without triggers.

BAR2

BAR1

DAQ will be done by what we've already
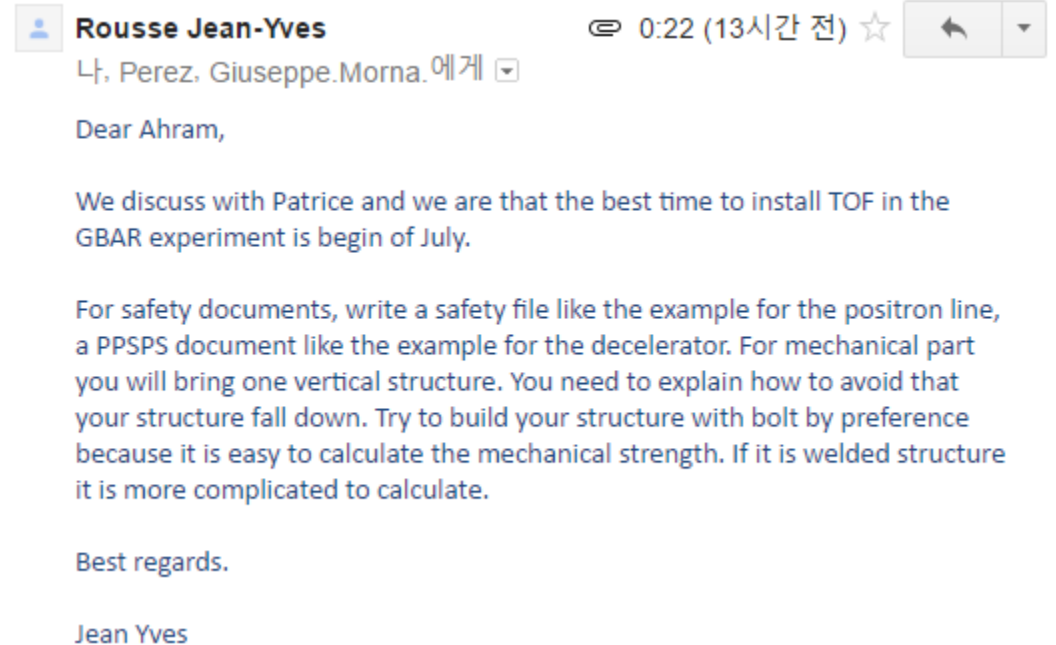had – FADC500-ibs, fdaq.

TOF Detector Preparation
CERN Delivery preparation

Got documents from Yves yesterday.

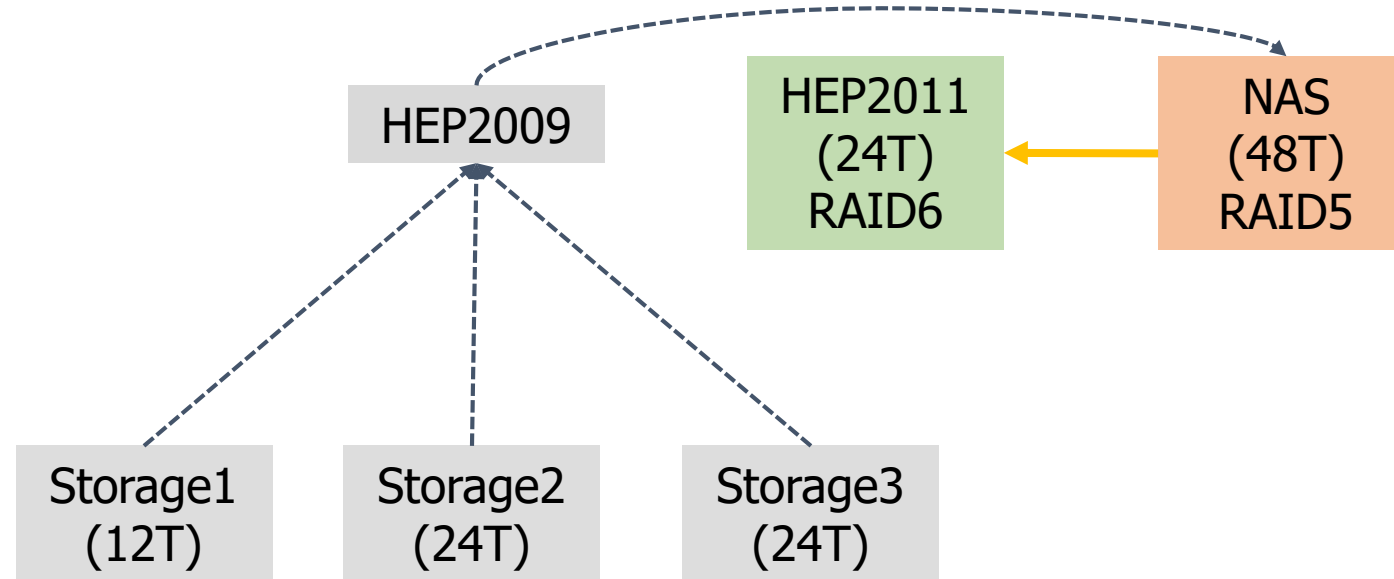He and Patrice think that early July is good for installation of TOF in CERN.

To do,
1. Fill documents and send them to CERN
2. Order halogen-free cable & connector
(SMA? BNC?)

Rousse Jean-Yves 📎 0:22 (13시간 전) ☆
나, Perez. Giuseppe.Morna.에게 ▾

Dear Ahram,

We discuss with Patrice and we are that the best time to install TOF in the GBAR experiment is begin of July.

For safety documents, write a safety file like the example for the positron line, a PPSPS document like the example for the decelerator. For mechanical part you will bring one vertical structure. You need to explain how to avoid that your structure fall down. Try to build your structure with bolt by preference because it is easy to calculate the mechanical strength. If it is welded structure it is more complicated to calculate.

Best regards.

Jean Yves

Server status
Backup problem

HEP2009 is now very unstable – it is disconnected(Input/Output error) by "ls" or "ll" command.
Trying to do backup again, but…