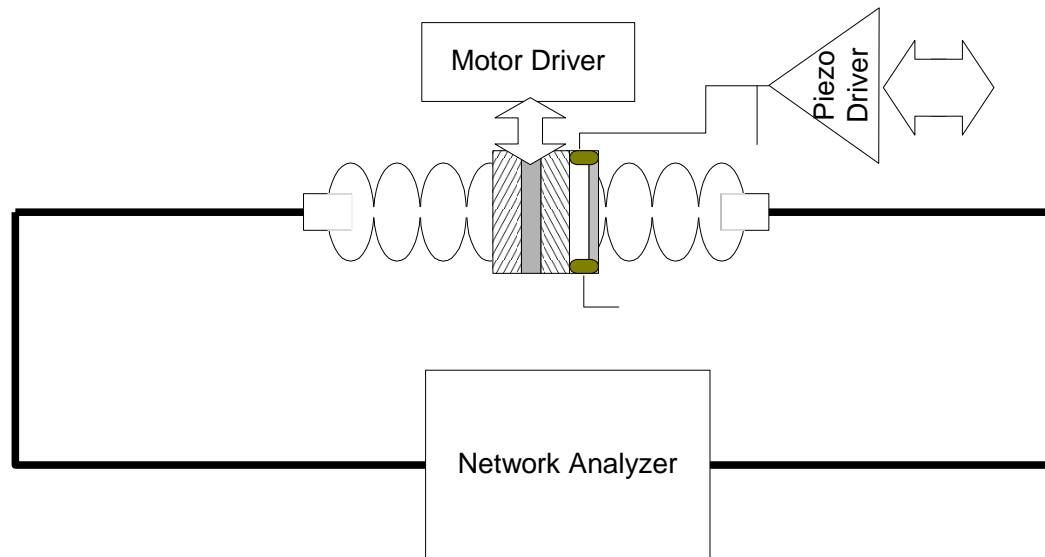


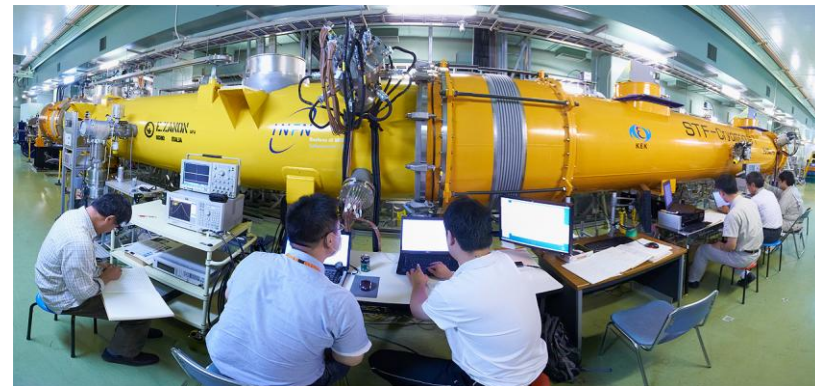
Preparation of INFN/FNAL experiment on July 6 to 9

H. Hayano, 0629,2010

Set up # 1: Network Analyzer



We are now having this set-up. -> OK



Tuner Motor control panel

This does not move

FNAL DESY KEK

Parameter

FNAL DESY CAVITY

1CH Position: 145000 count
UP STEP DOWN
10000
Set Position: 0 Go Stop
STATUS
Motor:
● BUSY ●
●
●
●

2CH Position: 60000 count
UP STEP DOWN
5000
Set Position: 0 Go Stop
STATUS
Motor:
● BUSY ●
●
●
●

3CH Position: -240000 count
UP STEP DOWN
10000
Set Position: 0 Go Stop
STATUS
Motor:
● BUSY ●
●
●
●

4CH Position: -240000 count
UP STEP DOWN
10000
Set Position: 0 Go Stop
STATUS
Motor:
● BUSY ●
●
●
●

FNAL FNAL DESY DESY

Piezo control panel

EXIT

PIEZO CONTROL SYSTEM

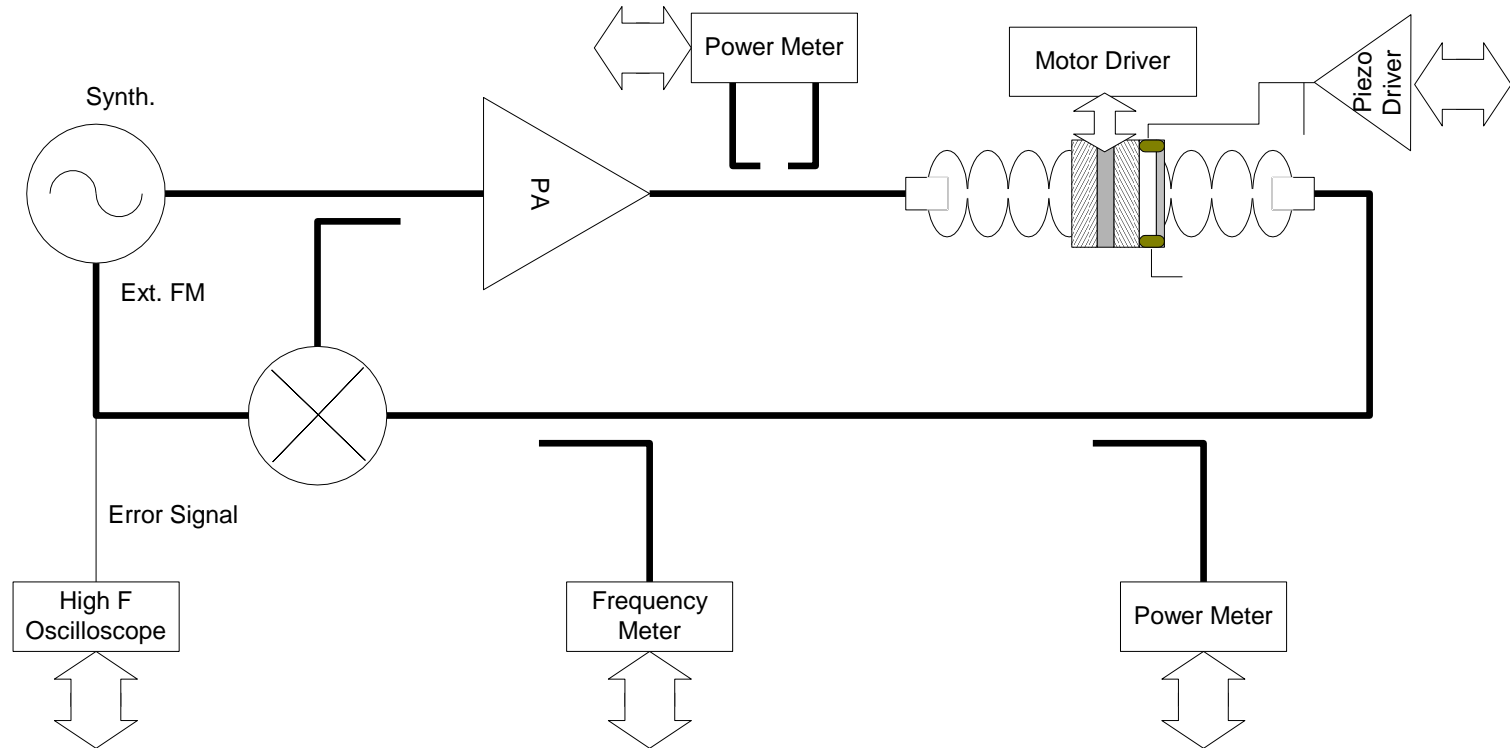
Sine Waveform

ON/OFF	Freq[Hz] (100-500)	No. Pulses (1-10)	Delay [ms] (0-200)	CONTROL		PIEZO		CONTROL Offset[V] (0-10)	PIEZO Offset[V]	SETUP	Select Waveform	Arbitrary Waveform		
				Pk-Pk[V] (0-10)	Pk-Pk[V]	Offset[V] (0-10)	Offset[V]							
Cav1	OFF	250	1	0.00	0.00	0.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	FNAL
Cav2	OFF	250	1	0.00	0.00	0.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	FNAL
Cav3	OFF	250	1	0.00	0.00	0.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	DESY
Cav4	OFF	250	1	0.00	0.00	0.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	DESY
Cav5	OFF	250	1	0.00	5.00	500.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	KEK
Cav6	OFF	250	1	0.00	5.00	500.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	KEK
Cav7	OFF	250	1	0.00	5.00	500.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	KEK
Cav8	OFF	250	1	0.00	5.00	500.00	0.00	0.00	0.00	SETUP	SINE	LOAD	Output WF	KEK
ALL	OFF													

LOAD from CSV

LOAD Output WF

Set up # 2: PLL



Synth. : OK

PA : OK

Phase detector: OK

Frequency counter: will be borrowed from pre-tuning machine.

scope, power meter, directional couplers : OK

Lock-in amplifier : borrowed from S. Michizono (SR510, Stanford Research)