

# Status of Cryomodule-A for S1-Global at KEK

**Eiji Kako**  
**(KEK, Japan)**



# Schedule: String Assembly of KEK Cavities

**Mar. 01 ~ ; class-10 clean room**

String assembly of 4 KEK cavities

Pumping and Leak check

Ar gas slow leak up to 1 atm

**Mar. 08 ~ ; outside of clean room**

Slide-Jack tuner assembly

Tuner drive check

Align. of 4 cavities

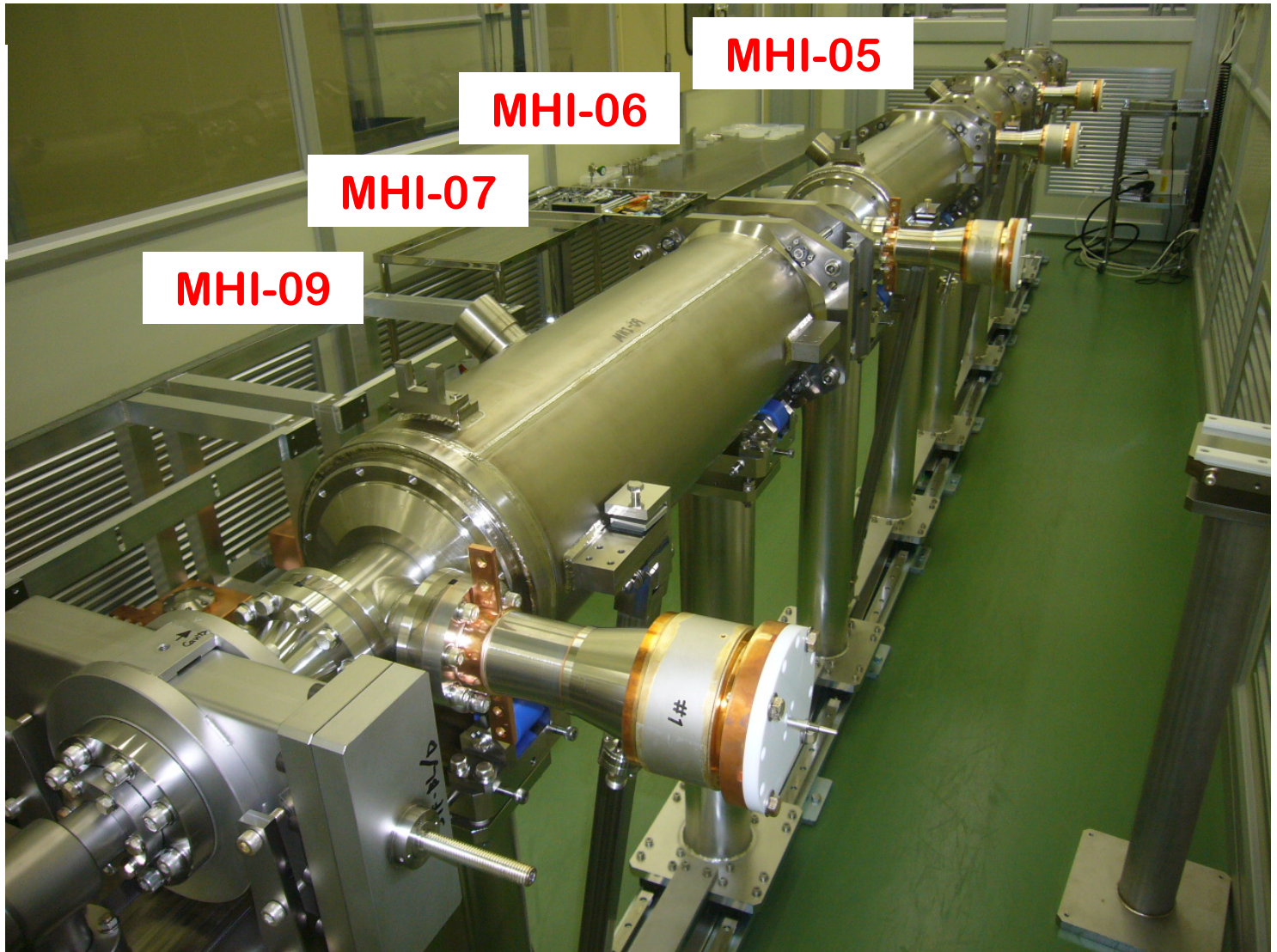
**Mar. 15 ~ ; outside of clean room**

RF meas. (fo, Qext, Tuner stroke)



# Completed String Assembly of KEK cavities

5th,  
March  
2010'



MHI-09

MHI-07

MHI-06

MHI-05

Class-10  
Clean Room

E. KAKO (KEK)  
2010' Mar. 09

Webex meeting S1-G  
Global Design Effort

**Memorial Photo  
(8th, Mar. 2010')**



Photo by Toge-san



# Slide-Jack Tuner Assembly

9th, March  
2010'



MHI-05

MHI-06





# Preparation for Warm Coupler Assembly



Tools and Jigs for warm coupler assembly from DESY

2 Warm Couplers from DESY

2 Warm Couplers from FNAL/SLAC





# Schedule of Warm Coupler Assembly

- 15 Mon ;** am. ILC meeting    pm. STF Cav. Meeting  
(Installation of Cryomodule-C in Tunnel)  
**Arrival of Denis Kostin from DESY**
- 16 Tue ;** am. Meeting for Warm coupl. Assem. @ STF  
pm. Check & Preparation of Coupler Parts  
Set-up of Clean-booth & Pumping system  
night    **Welcome Party**
- 17 Wed ;** am./pm. Assembly of Warm Coupler (Z109)
- 18 Thu ;** am./ pm. Assembly of Warm Coupler (Z108)
- 19 Fri ;** am./ pm. Assembly of Warm Coupler (ACC011)
- 20 Sat ;** am./ pm. Assembly of Warm Coupler (AES004)



# Connection of Beam Pipe for Cryomodule-C

- 22 Mon ; National Holiday**
- 23 Tue ;** am. Preparation and Set-up of Clean Booth  
pm. Cleaning, Rinsing, HPR, Dry of Beam pipe  
for Cryomodule-C
- 24 Wed ;** am. Connection of Beam pipe (Endplate)  
pm. Pumping & Leak check  
Movement of Clean Booth
- 25 Thu ;** am. Go to Beijing
- 26 Fri ;** am./ pm. GDE@Beijing