



# Present Status and Schedule of Liquid Hydrogen Absorber



Shigeru Ishimoto KEK

MICE Schedule Review Meeting, May-24, 2011

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- (1) Hydrogen Absorber #1
- (2) Hydrogen Absorber #2
- (3) Seal Dimension Check
- (4) Effect from the East Japan Earthquake

# Hydrogen Absorber #1



## Absorber#1 with G-10 insulator





New G-10 Insulator  
for Absorber Body



Multi Layer Insulator  
( 5 Aluminised Mylar  
+ 6 Nylon Mesh )





## New G-10 Insulator for Absorber Body



# Absorber Test at KEK



# Transfer of Absorber #1

- \* KEK → Osaka on Dec-03, 2010
- \* DHL in Osaka ; May-23, 2011
- \* To RAL/UK on May-30(?), 2011

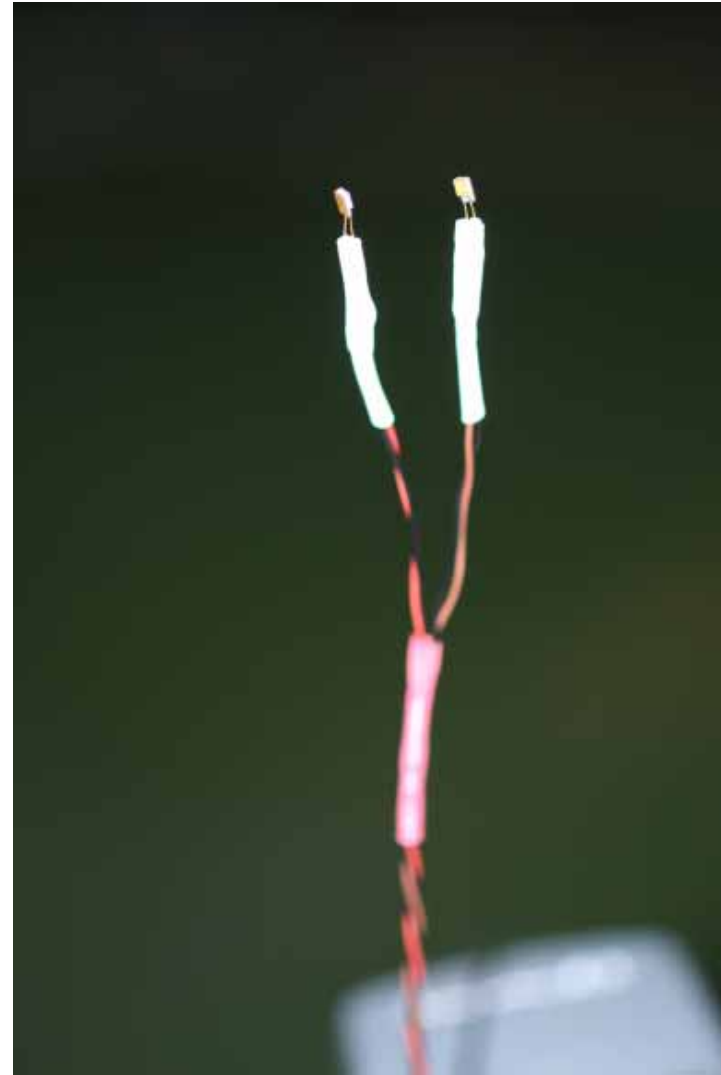


# Hydrogen Absorber #2

# Hydrogen Absorber #2



# Hydrogen Absorber #2 (10 Sensors)



# Hydrogen Absorber #2 (The 30 pin Feedthrough)





Real window from  
Don Summers to  
check the seal  
interface.



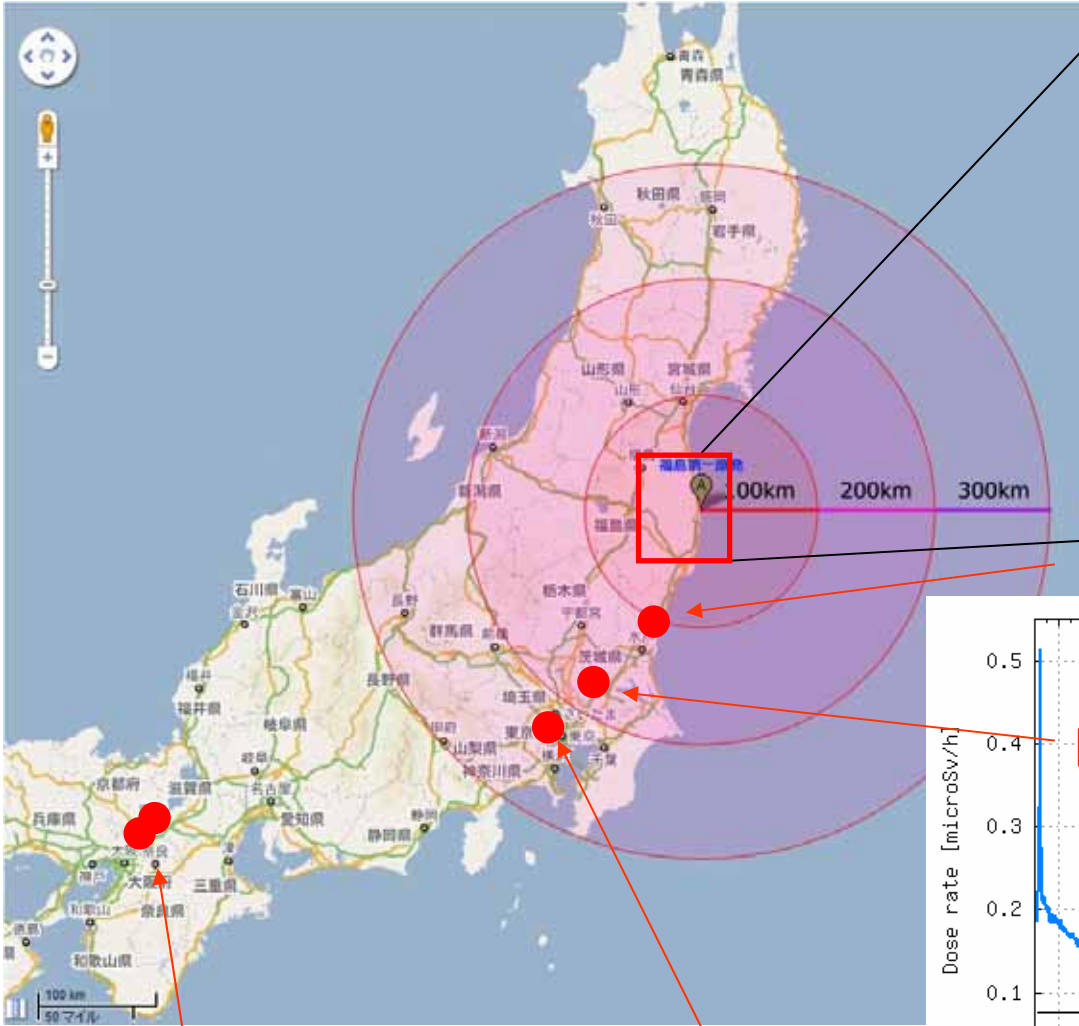
# Hydrogen Absorber #2

## Check the Seal Interface.



Effect from the East Japan  
Earthquake and Tsunami  
on Mar-11, 2011

# Fukushima Reactor Accident by East Japan Earthquake on Mar-11, 2011



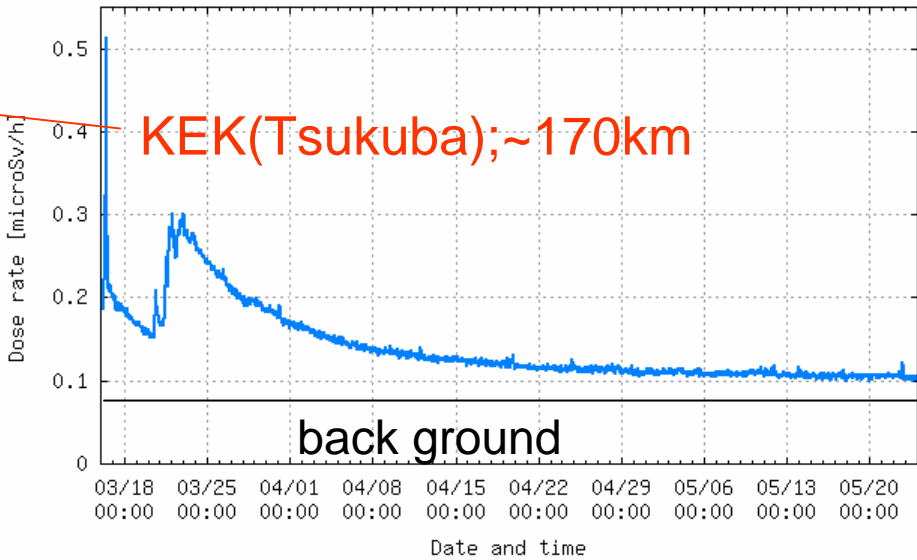
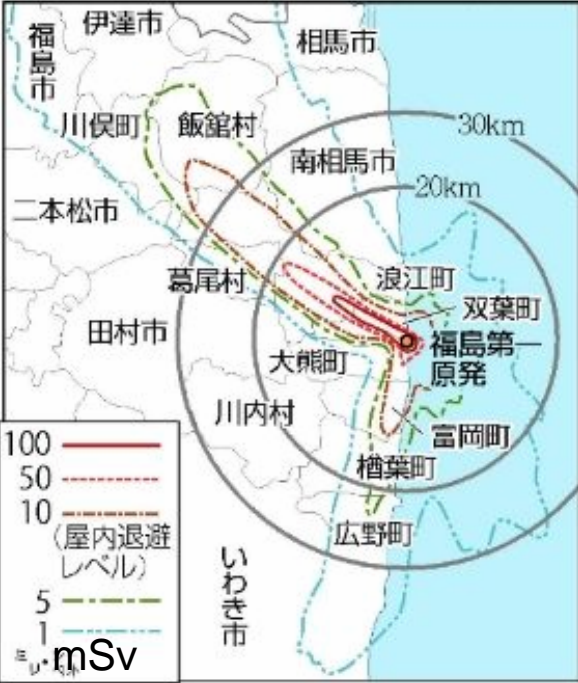
Osaka/Kyoto

Tokyo

J-PARC(Tokai); ~110km

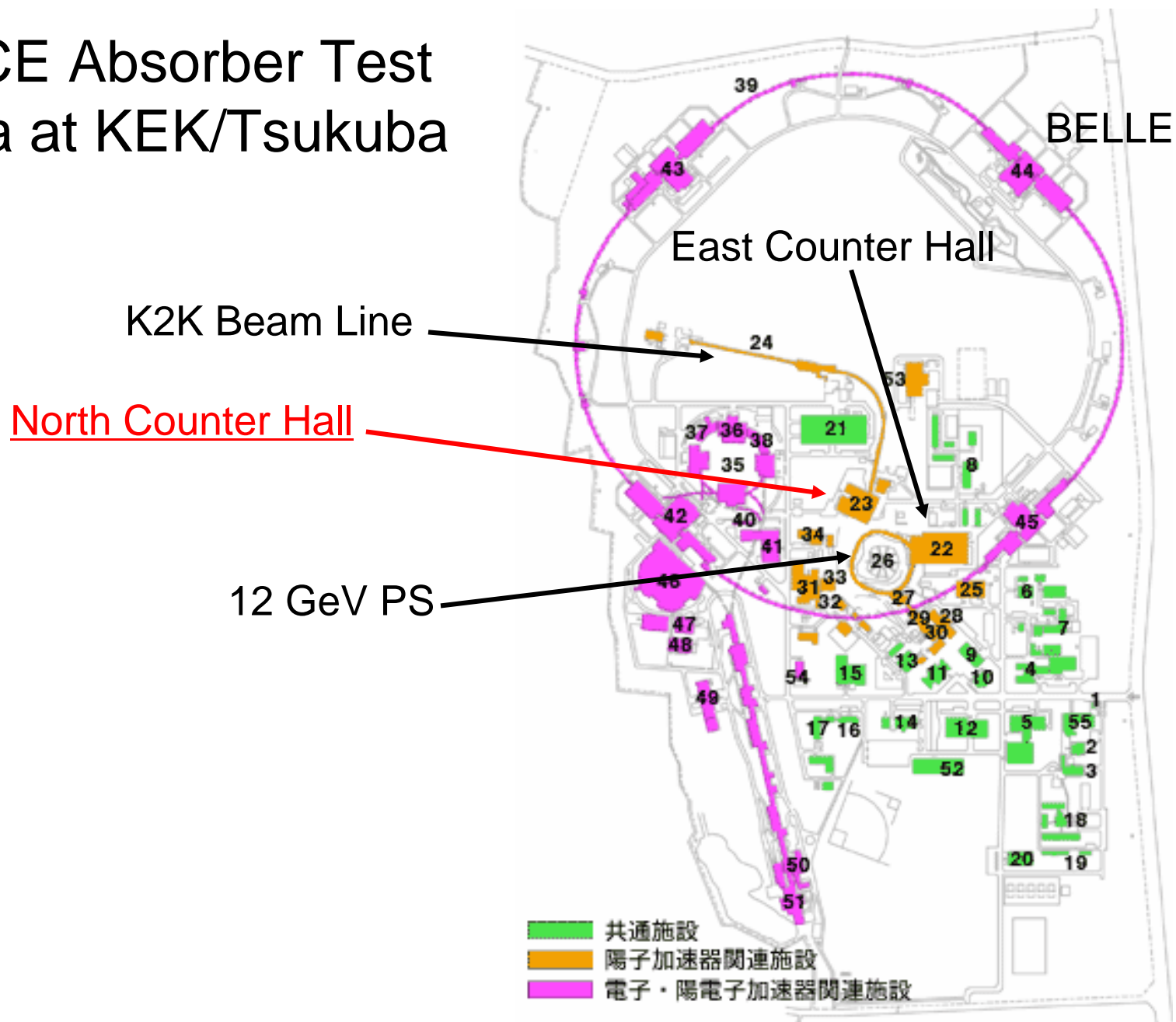
KEK(Tsukuba); ~170km

4月24日までの積算放射線量の推定





# MICE Absorber Test Area at KEK/Tsukuba



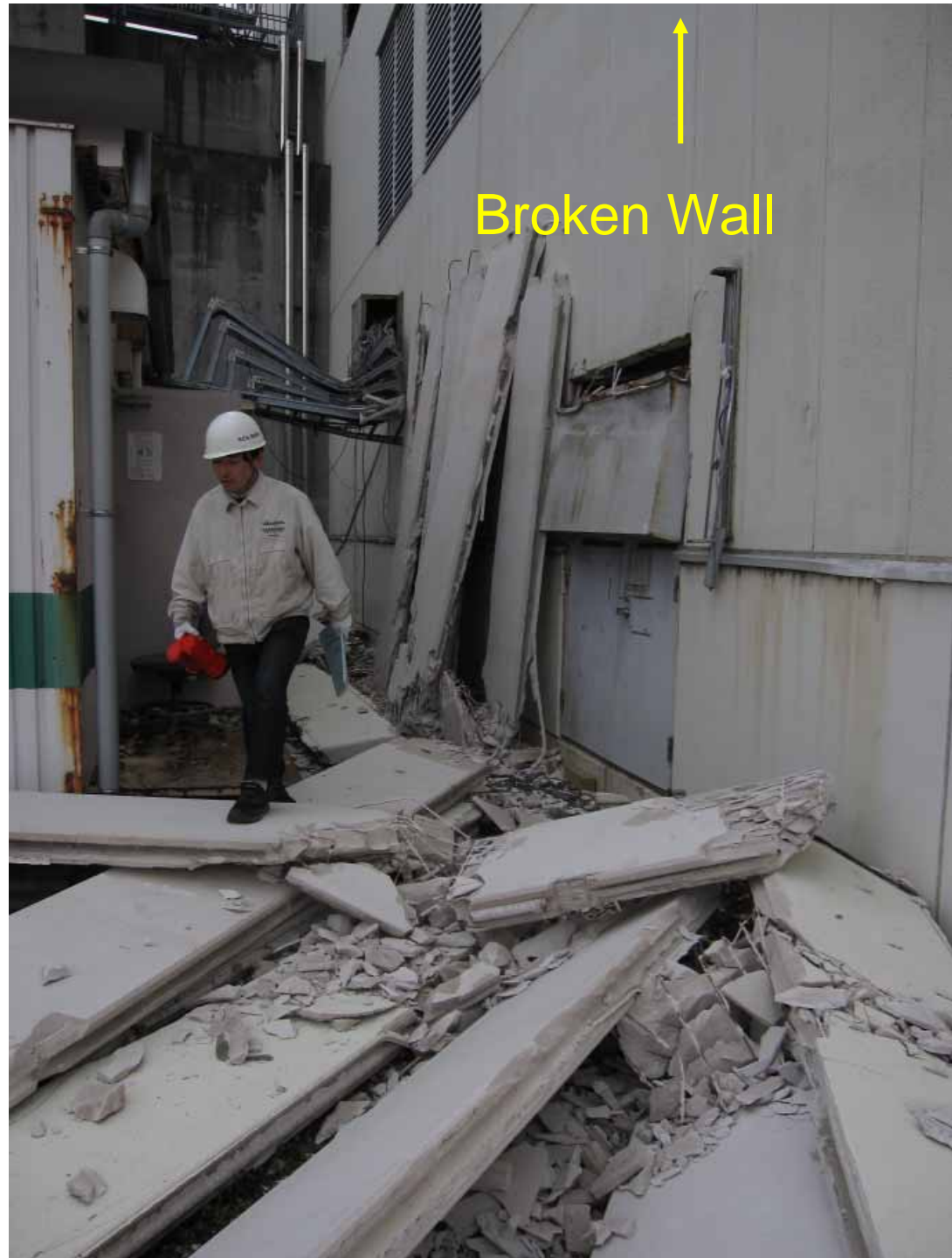
# KEK North Counter Hall

March 24/25, 2011



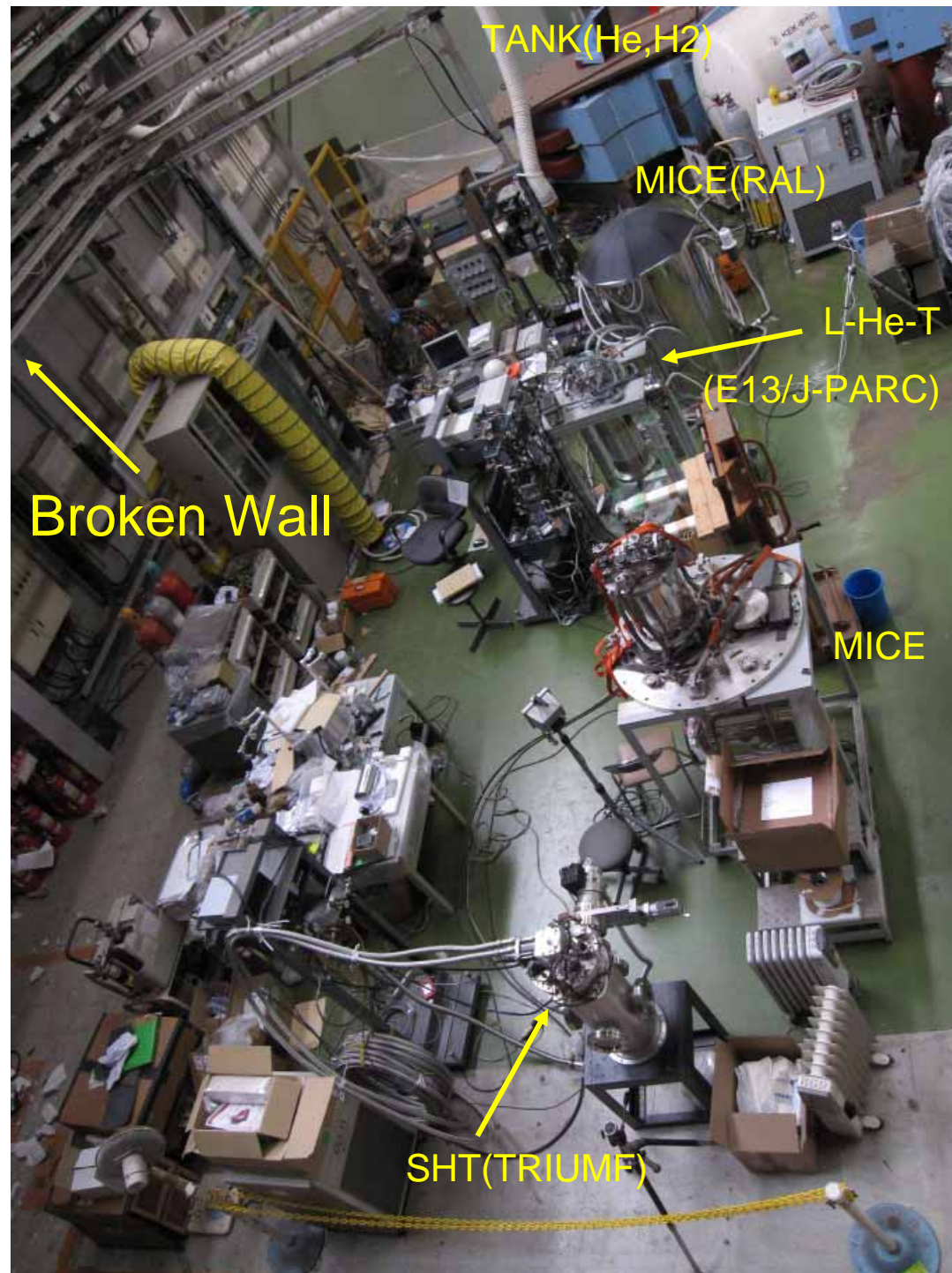
# KEK North Counter Hall

March 24, 2011

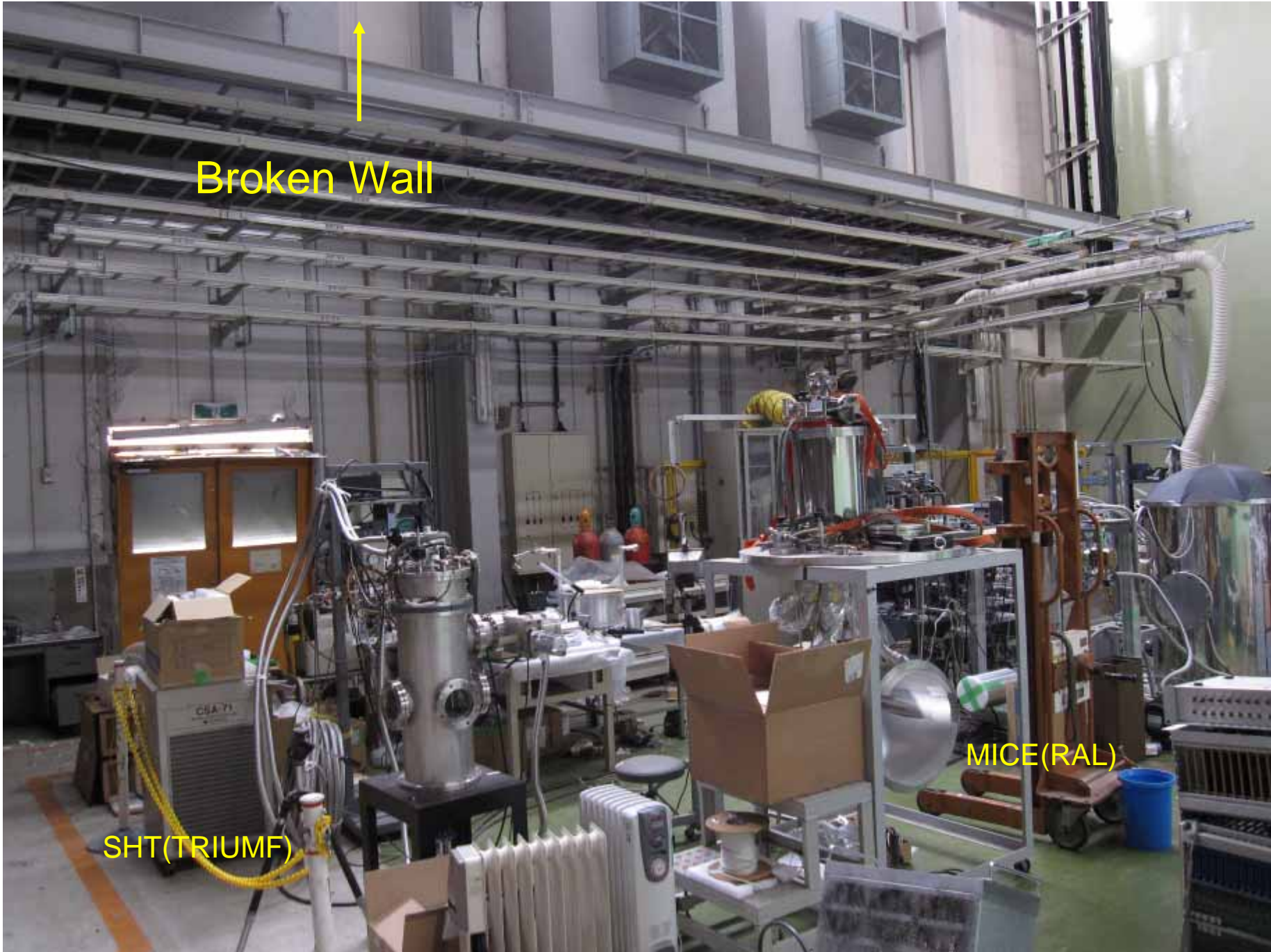




KEK North Counter  
Hall  
Cryogenic Target Test  
K6 Area  
March 24, 2011







Broken Wall

SHT(TRIUMF)

MICE(RAL)



Broken Wall





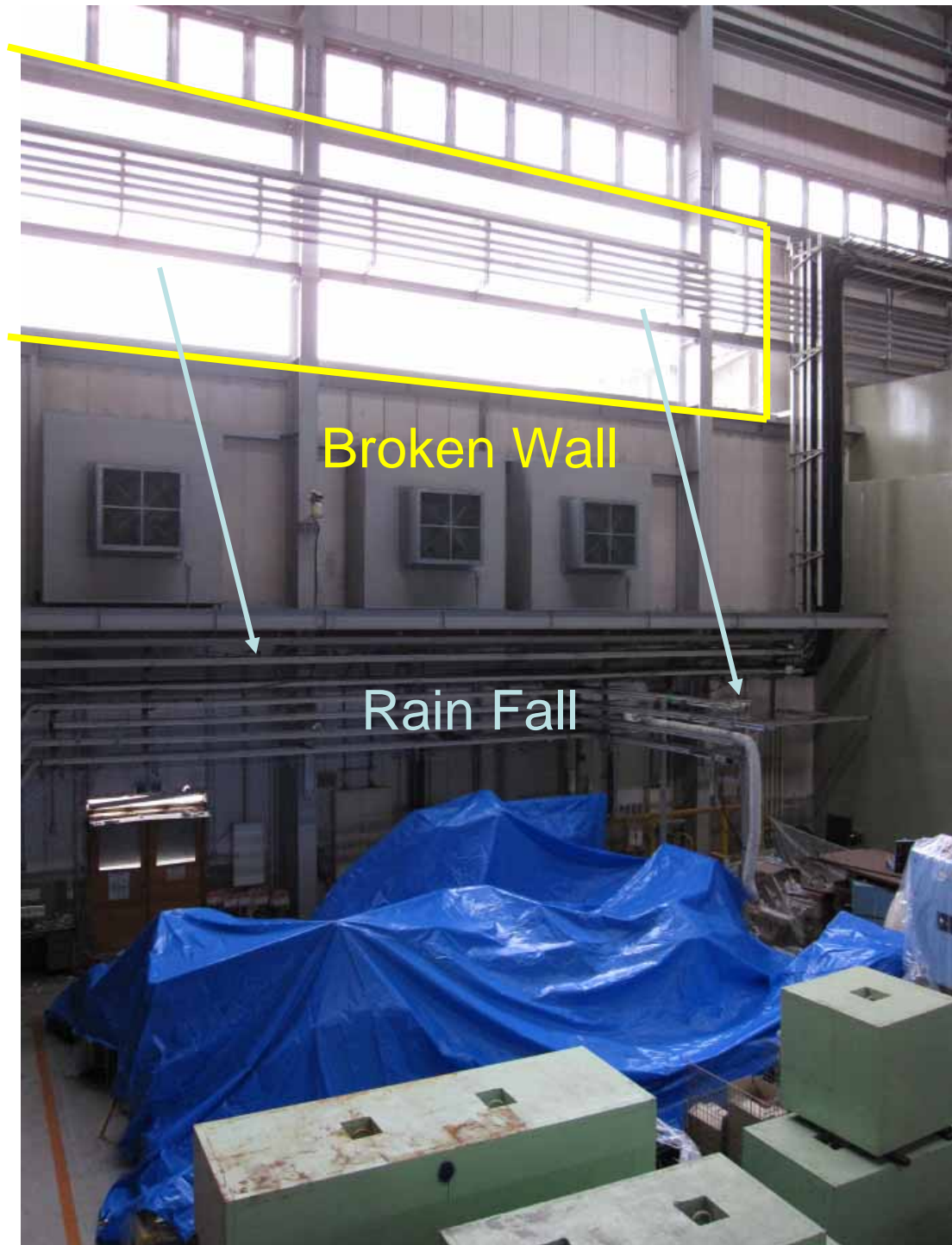
L-He-T  
(ET3/J-PARC)

MICE

KEK North Counter Hall  
Cryo-Target Area  
March 24, 2011

KEK North Counter Hall  
Cryogenic Target Test  
Area

March 25, 2011





The broken wall was temporary covered on April-05.



KEK North Counter Hall  
Cryo-Target Area  
May 23, 2011



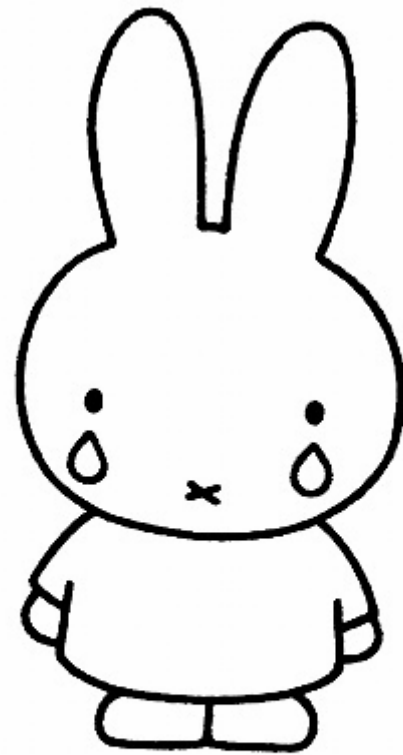
The crane is not yet recovered.

Two shutters at 2 entrances are broken.



# Plan of Hydrogen Absorber #2

- (1) It is ready to cooling down after small final settings.
- (2) But, no-crane, broken shutters and limited electric power, because of the East Japan Earthquake/Tsunami/Fukushima.
- (3) The recovery schedule of crane and shutters and electric power are not yet announced from KEK. ~ months?



my best wishes  
to Japan  
Dick Bruna