

General Overview (2011.3.28)

- March 11 (Fri). Earthquake came. No injured persons for J-PARC
 - In the middle of lecture to 41 visitors, given by a J-PARC staff member, the entire ceiling fell down. He instructed visitors to hide under the desk immediately. No injuries to anyone.
- March 12 (Sat).
 - No Tsunami effects.
 - All buildings looked OK, due to many underpins underneath the buildings.
 - However, all roads around the buildings and the surrounding utilities had severe damages.
- March 13 (Sun). All non-Japanese users were sent to safe places or to the airport.
 - Uses Office worked coherently. KEK Bus, etc. were used to send users to Tsukuba, Narita.
- March 17 (Thu). Inspection of all buildings, utilities, and facilities for J-PARC
 - Photos are displayed in what follows. No electricity. Very limited inspection.
 - Out of two major transformers, one for Linac was inclined, whereas other for MR was OK. On March 23 it turned out that Linac transformer is recoverable, though.
 - In order to avoid Secondary Damages, we need electricity for lights and for pumping water.
 - On March 24, we detected 10 cm deep water in Linac.
 - On March 25, finally, the motor-driven generator arrived, and pumping Linac water started. Water level was substantially reduced by March 27.
- On March 22 (Tue), JLAN for network restarted its operation.
- Water became available on March 24 (Thu) for office. No air conditions yet.
- On March 29 (Tue), inspections for buildings and accelerator tunnels will start.

Entrance for Linac



About 1.5 m drop as seen above, over a wide area.
Electric wires and water pipes were all damaged.

Road in front of Linac



Serious cracks on the road. This is a typical one and can be seen all over the J-PARC area.

Electric Power Supply for Linac



Side buildings were severely damaged (due to less number of underpins), whereas central area for Linac had no damages including klystrons.

Inside Linac Tunnel



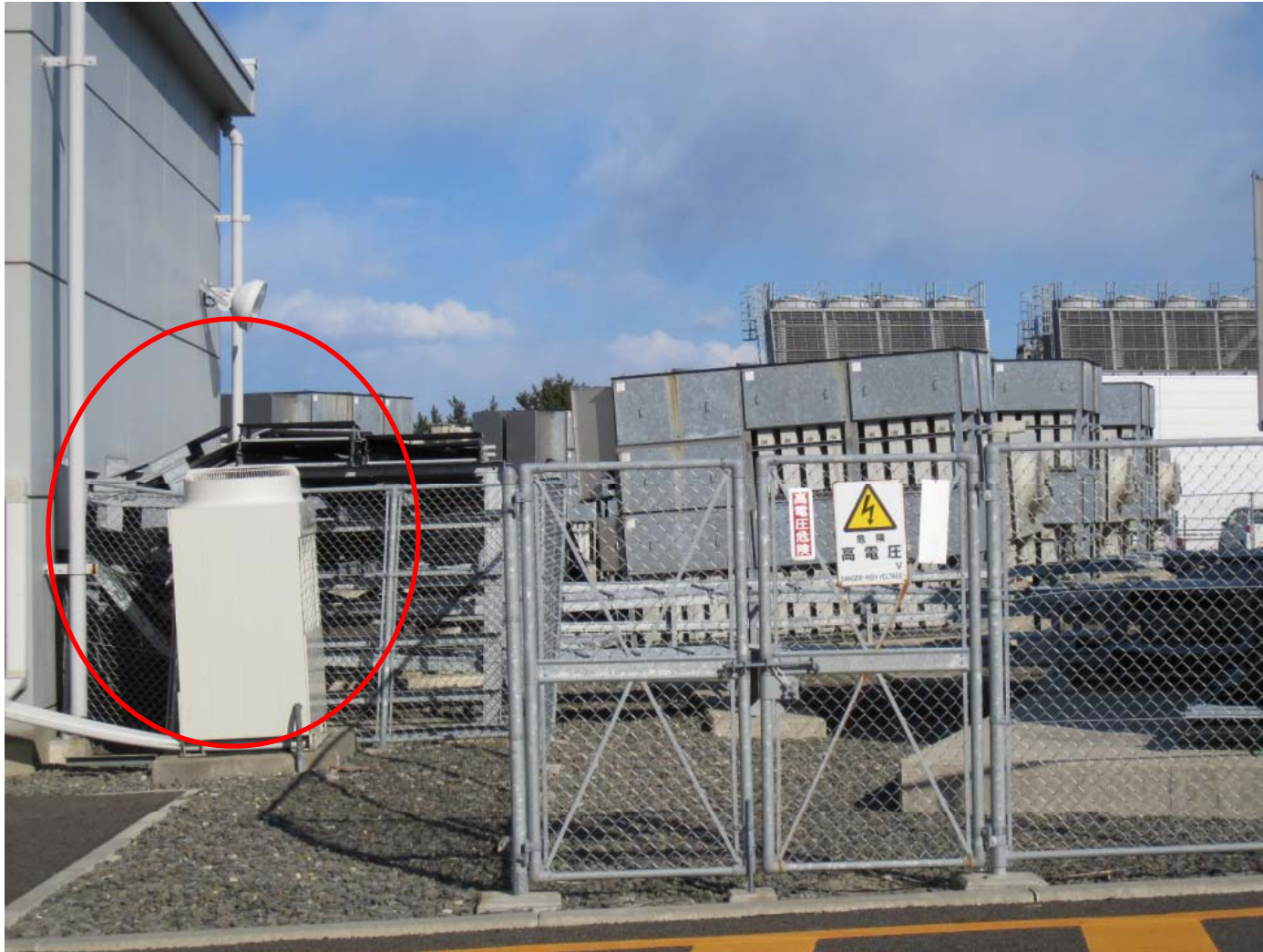
Concerning the central area of Linac, no serious damages were seen by looking from outside. As of March 17, 1 cm deep water was on the floor.

Road around 3 GeV



Wavy road. Bump in the middle means that beam pipe is underneath it. Both sides of the bump were sinking.

3 GeV Electric Power Supply



Leaning toward the left side. Around the place marked on red about 100 cables are there, which are all distorted.

Condenser Bank for 3 GeV



Condenser bank was waved. Cables were distorted with heavy weight on them.

3GeV Main Ring



No significant damages.

50 GeV The Second Entrance Area



Over the region of 1 m by 10 m
about 50 cm dropped.

50 GeV Main Ring (1)



Although some distortion is observed for cable rack, the accelerator itself seems OK as viewed only from this area.

50 GeV Main Ring (2)



No damages are observed from outside alone.

50 GeV Side Notch



A few cm deep water was accumulated. Need to pump the water as soon as possible. Humidity was very high.

Main Control Room



Main Control Room was in a reasonable shape.

Materials and Science Area (MLF) (1)



Sinking caused a sharp bend in the piping system though the building (upper).

Helium tank is leaning toward left (right). Front is nitrogen tank.



Materials and Science Area (MLF) (2)



West side road from MLF. About 1.5 m sinking was observed.

MLF First Hall and Second Hall



Interior part of the Hall 1 and Hall 2 are very healthy, thanks to many underpins for the building.

MLF West-side Added Building



30 cm dropped for the west-side added building (left). BL18, BL19 and BL20 were damaged. Vertical parallel lines are now leaning toward the left (right).

MLF East-side Added Building



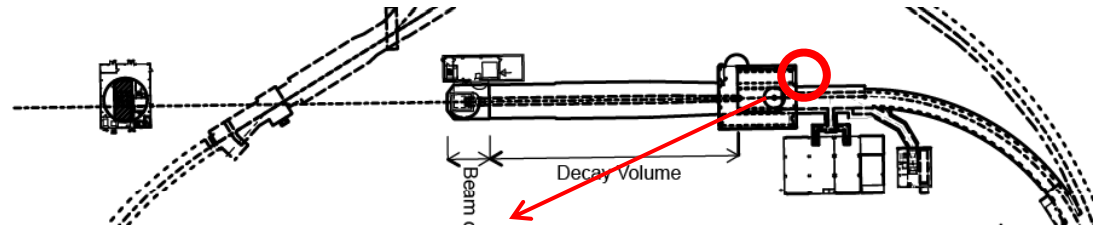
30 cm dropped for the east-side added building (left). BL08 and BL09 were damaged. For BL08 all mirrors for the optical guide were broken (right).

3NBT (Beam Transport from 3GeV)

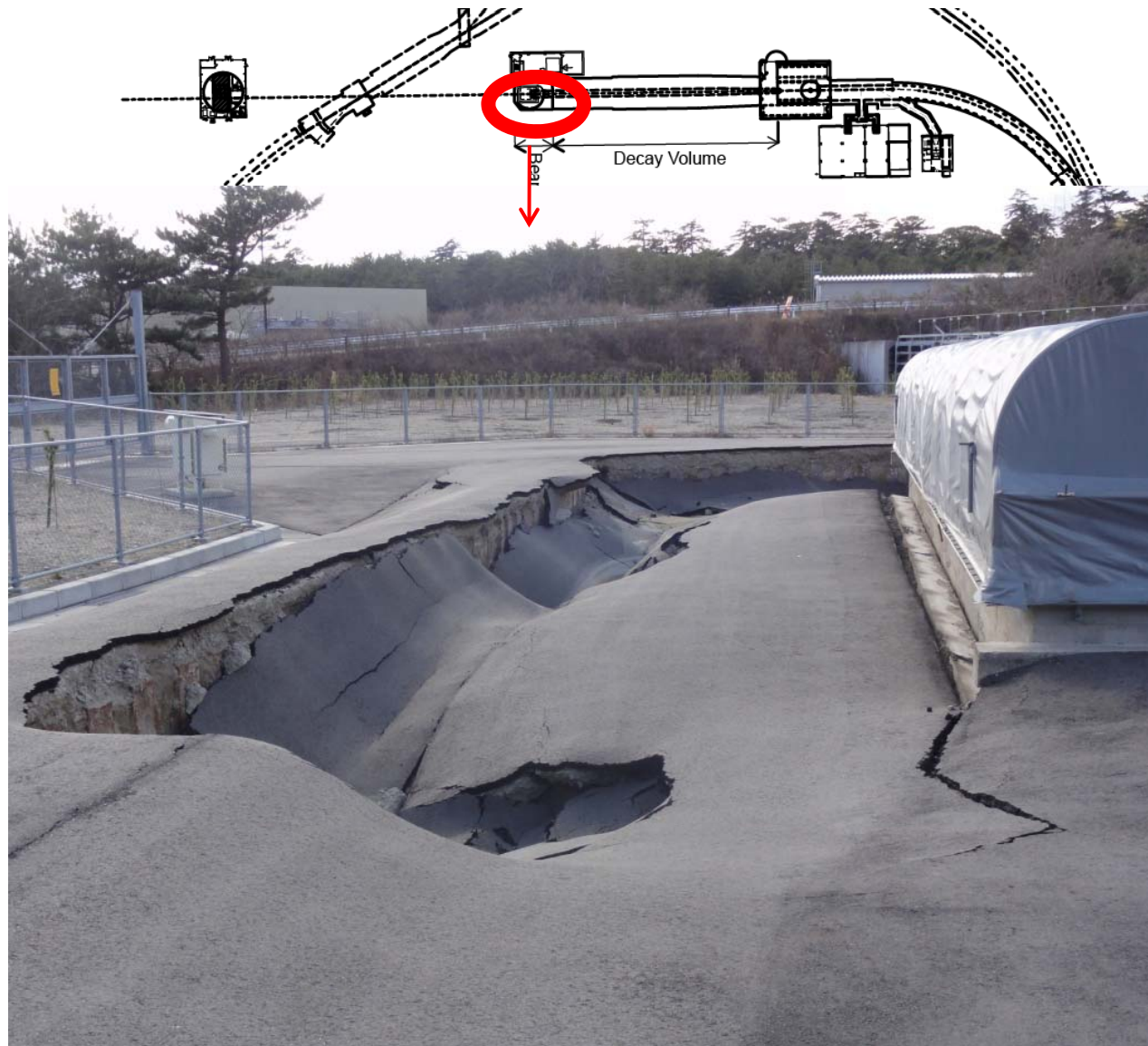


3NBT itself seems OK. However, on the joint portion, there was a crack due to displacement.

Neutrino: Air Conditioning

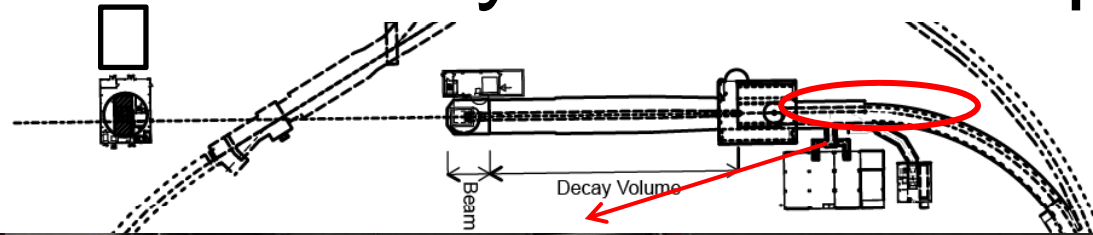


Neutrino: Beam Dump Area



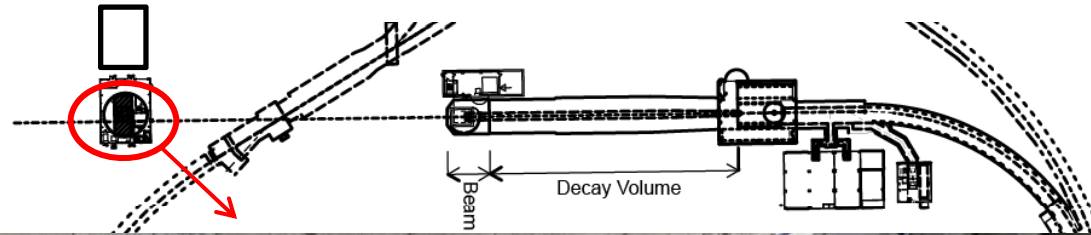
South side (viewed from upstream to downstream)

Neutrino: Primary Beam Transport



No significant damages from outside.

Neutrino: On Site Detector



No significant damages from outside. About 1 cm deep water at the bottom.

Hadron Outside Area (1)



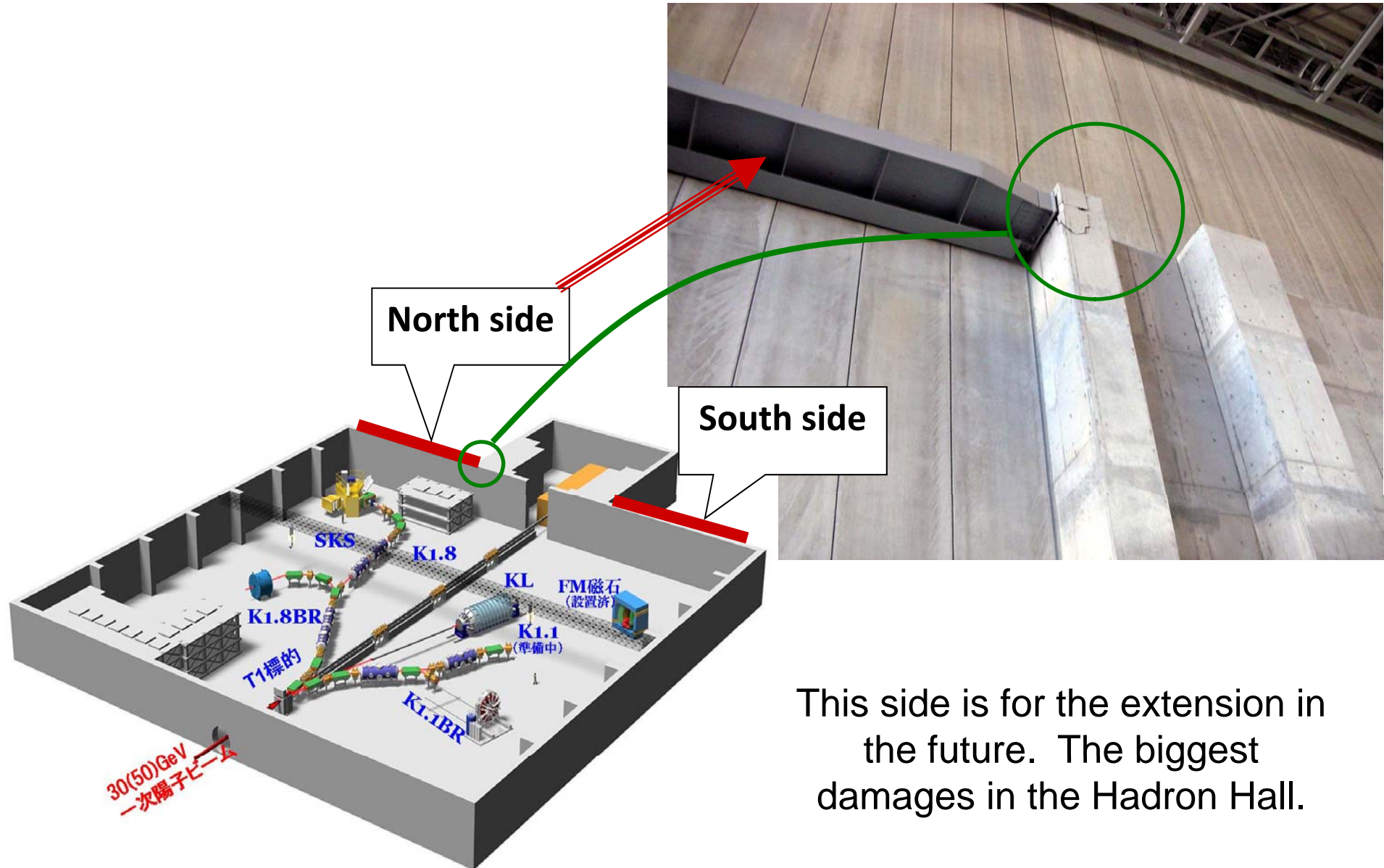
About 30 cm drop all over the places. Gas storage stand is floating up on the air.

Hadron Outside Area (2)

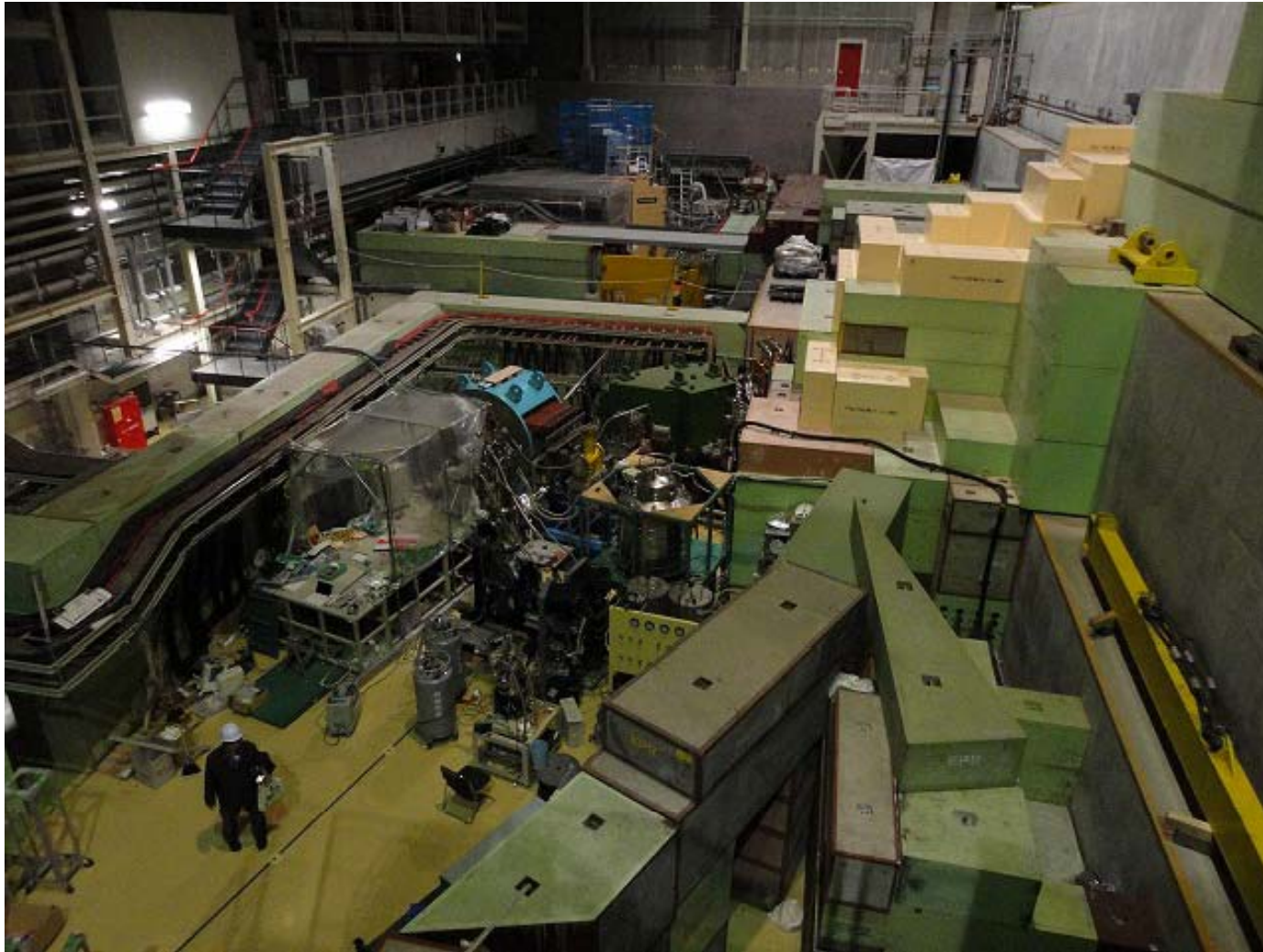


Again about 30 cm drop.

Outer Wall for Hadron



Hadron Experimental Hall



Due to many underpins, hadron hall looks OK.
No significant damages were observed.

Major Power Transformer for Linac, etc.



About 10 degree leaned. At the beginning we were told that it would not work at least half a year. Later it turned out that it would work immediately.

Lecture to the Visitors



The lecture was given in the front desk. Then, the entire ceiling was dropped. Immediately, instructed to hide under the desk. No injuries. Place is JRR-1.