

# Preparation of thermal test by STF-Module-B

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# Schedule of the thermal test by module-B

	2009									
	1	2	3	4	5	6	7	8	9	10
Modification of Module-B	←→									
Test of the components in the module			←→							
Preparation for thermal test				←→						
Heat load measurements with 5K shield					←→					
Preparation for thermal test						←→				
Heat load measurements without 5K shield								←→		

- **April : component tests**

- Deformation measurement of GRP during cold test (WPM and laser position monitor)
- Thermal anchor of RF cables and temperature sensor
- Magnetic shield performance

- May : disassembling Module-B, completeness of 5K and 80K shields against the thermal radiation and reassembling Module-B in the tunnel
- **June : heat load measurement of Module-B with 5K shield**
- July to August : disassembling Module-B, removing 5K shield bridge and reassembling Module-B in the tunnel
- **September to October : heat load measurement of Module-B without 5K shield**

# 4 dummy helium vessels

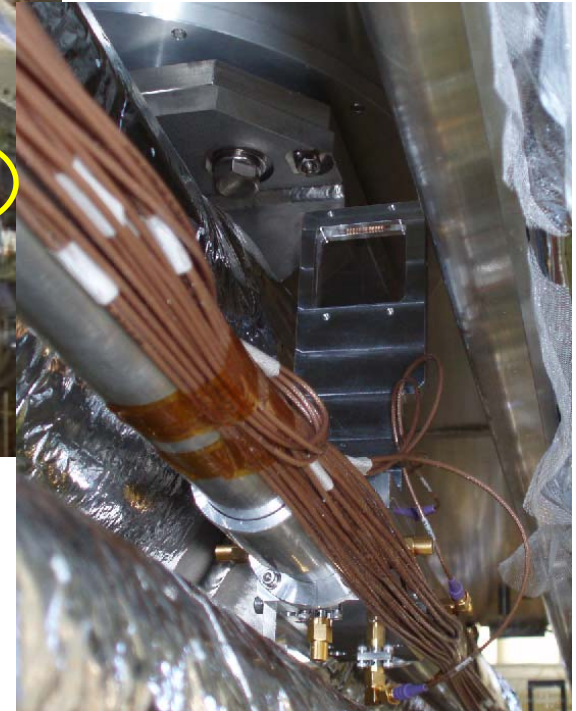
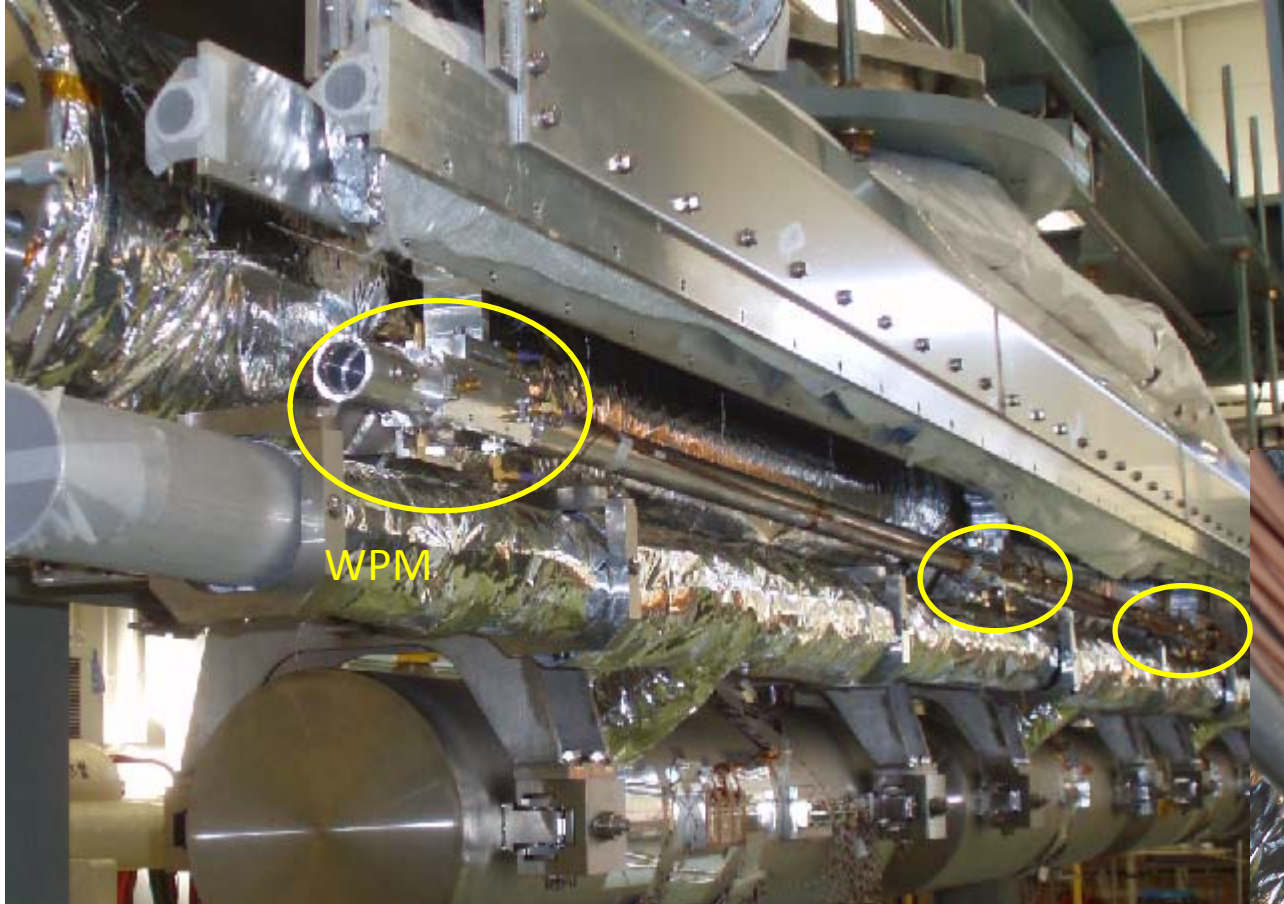


Measurement of the magnetic shield performance at temperature less than 4K.

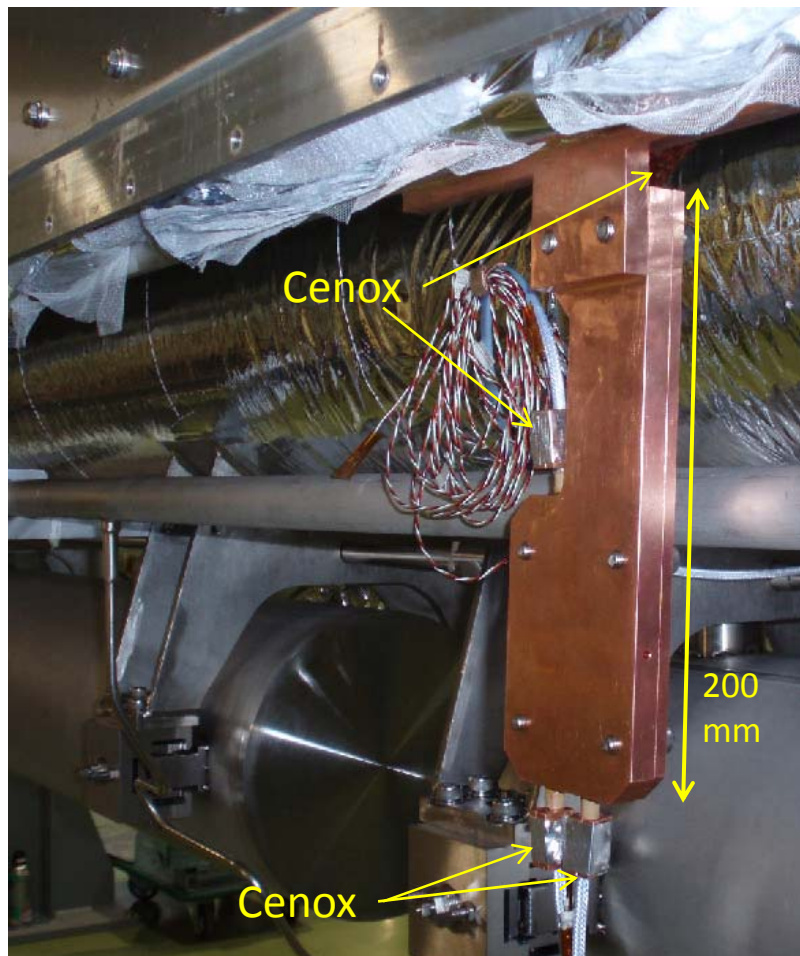




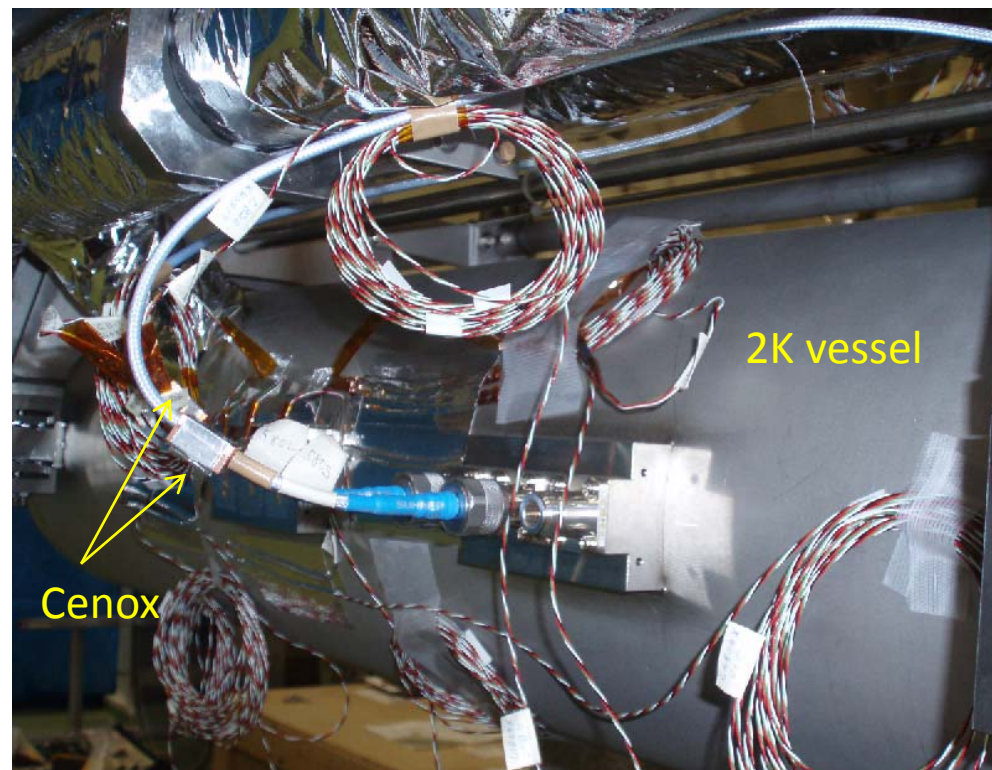
# WPM with optical target (Hitoshi Hayano)



# Thermal anchor for RF cables



5K thermal anchor for RF cables



RF cables (SUCOFLEX 103)

5K thermal anchor is attached to the 5K cooling pipe.

# Schedule of test preparation

- Feb. 28
  - Cold mass will be inserted into the vacuum vessel.
- March 4
  - Installation of the module-B in the tunnel
- April 1
  - Cool-down of the module-B