KAGRA Cryogenics

Cryostat Cryocooler Unit Shield Duct Cryogenic Payload

2012.04.16 Domestic Meeting ICRR Kashiwanoha

Cryostat

2012 Mar. 30

Inspection and receiving.

FY. 2012

Successful bidder : Toshiba

Assembling of cryostats. Performance test of cryostats. Manufacture a shield duct by way of experiment.

Immediate issues

Select a window material Fix number of wires through cryostat wall









4K Cryolooer Unit

2012 Mar.

Inspection and receiving for 7 units.

FY. 2012

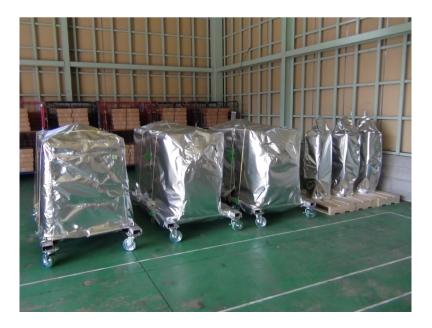
Successful bidder : JeccTorisha

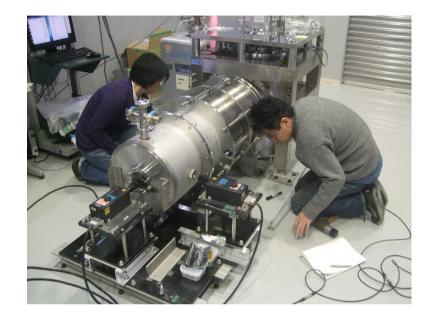
Manufacture 9 units. Performance test. Lend 8 units to Toshiba for test of cryostats.

Immediate issues

Reinforcement of VRS and supporting post of cooling paths.









Cryocoolers

2012 Mar.

Inspection and receiving

9 of 4K cryocoolers from SHI 2 of 50K cryocoolers from JAW

Storage : Kashiwa Lab.

Shield Duct

FY. 2012

Design continuation with Toshiba. Manufacture one set with single stage PTCs.

Immediate issues.

Tolerable temperature distribution. Balance of thermal resistance distribution and configuration of PTCs.

