

KEK Status 07082008

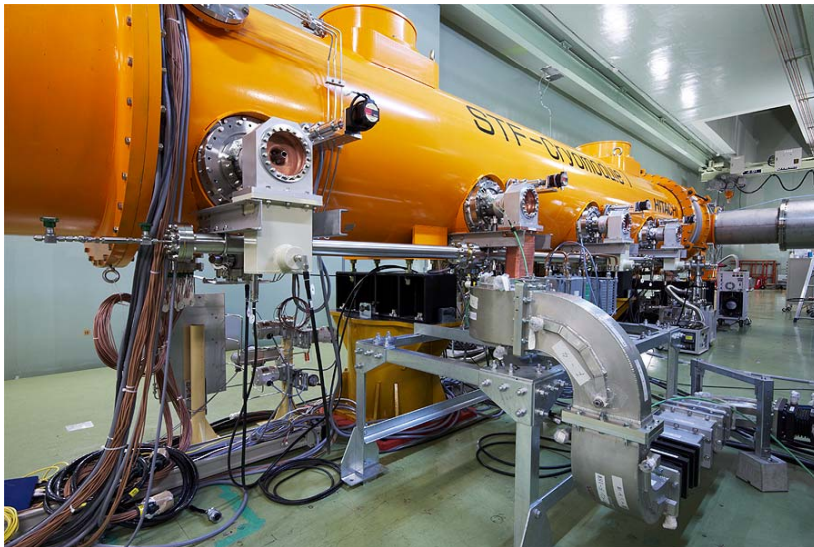
H. Hayano

1. STF cryomodule (4 TESLA-style cavities)

2nd cool-down from June 30 – July 25

Test schedule : High Power Test of BL-#3 cavity (29MV/m at vertical test) only
other 3 cavities has warm coupler, but stand-by.

4 cavities power test will be 3rd cool-down in September.



2. STF vertical test stand commissioning

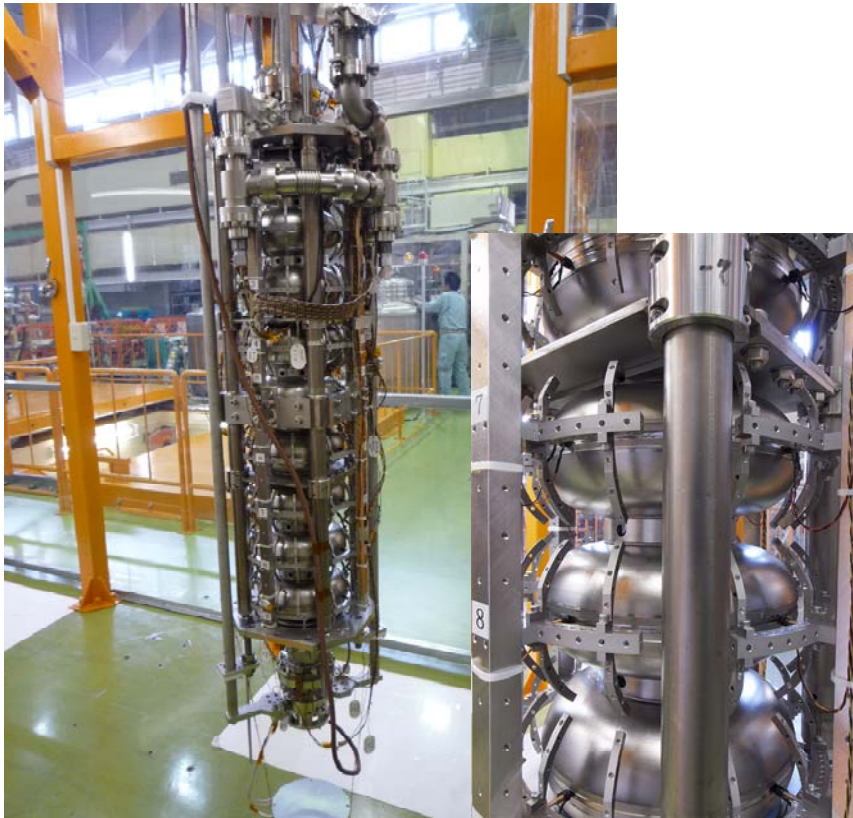
magnetic shield will arrive July 10.

cool-down test of cryostat was done July 3 – 5, using AES01 cavity.

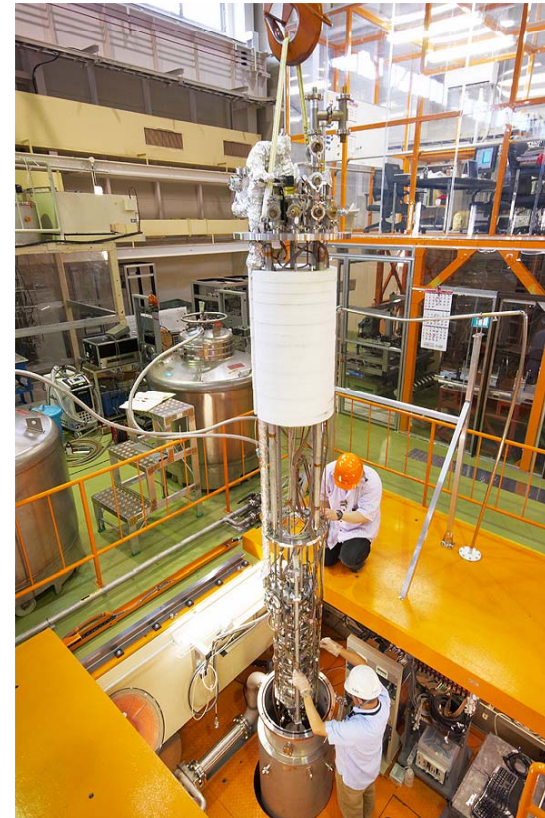
(residual field was $\sim 600\text{mG}$, so $R_{\text{res}}=126\text{n}\Omega$, $Q \sim 2\text{-}1 \times 10^9$ very low)

Cavity performance test is scheduled in end of August with magnetic shield.

Then EP at STF-EP facility, vertical test again in September.



AES01 cavity with T-map



Installation into vertical cryostat

3. Test of LL 9 cell cavities

Vertical test of (New Ichiro)LL #7, #8 are strated. (initial result : 14MV/m(LL#7))

Check of LL#5 back from Jlab. (Q decrease at few MV/m)

4. Kyoto-camera (mark-2) arrived

Test operation at KEK was almost done. (waiting for revised EL control box.)

DESY student will come for his experience, next week.

Precise cost estimation was done, I will distribute the cost and contact company within few days.

