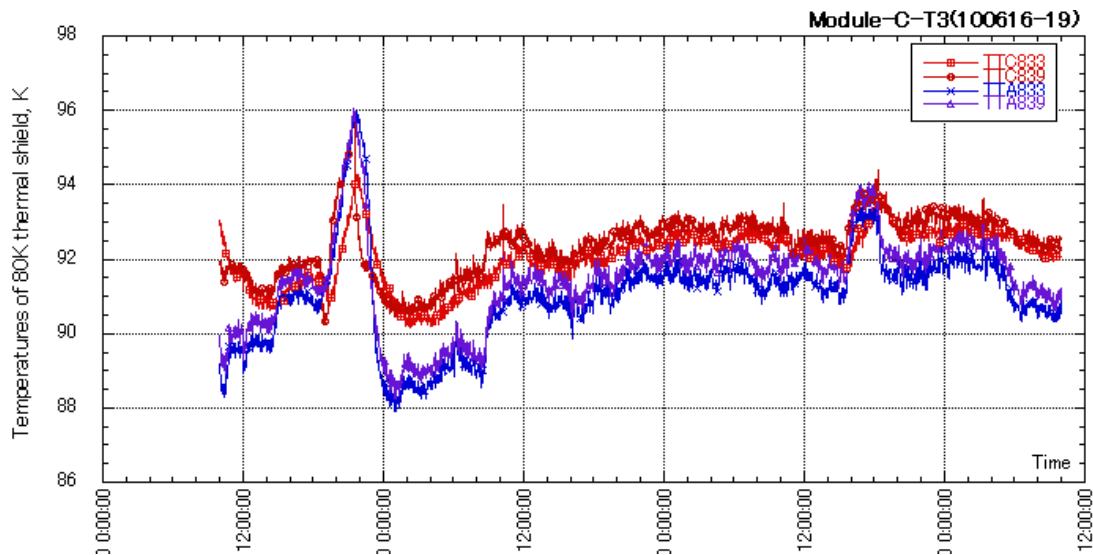


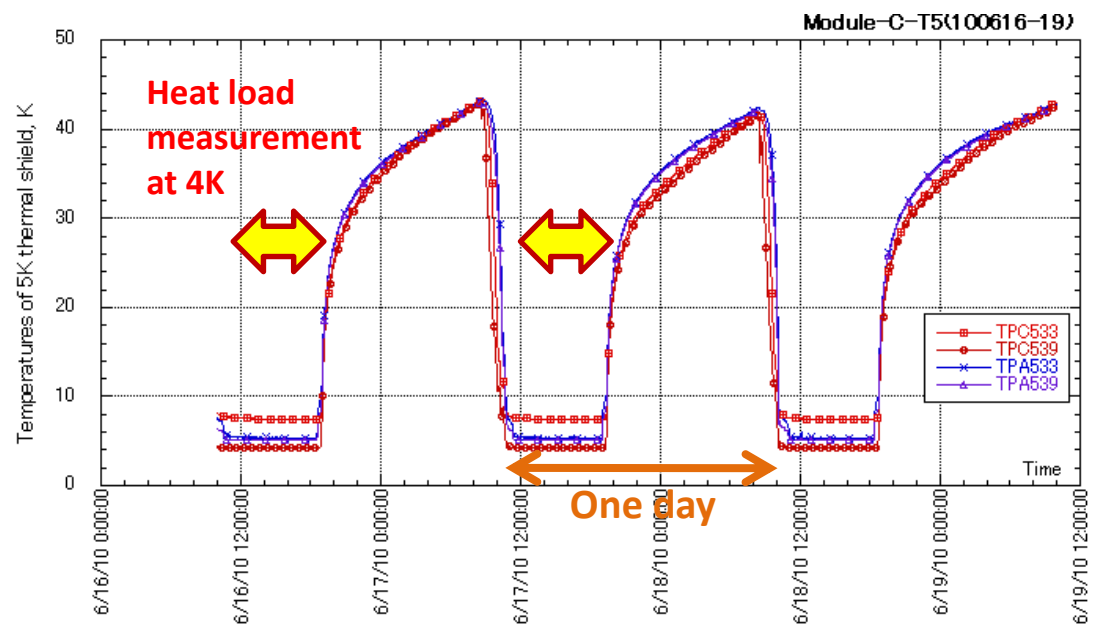
Heat load measurement of S1-G cryomodule at 4K

Norihito Ohuchi, Hirotaka Nakai and
Yuuji Kojima

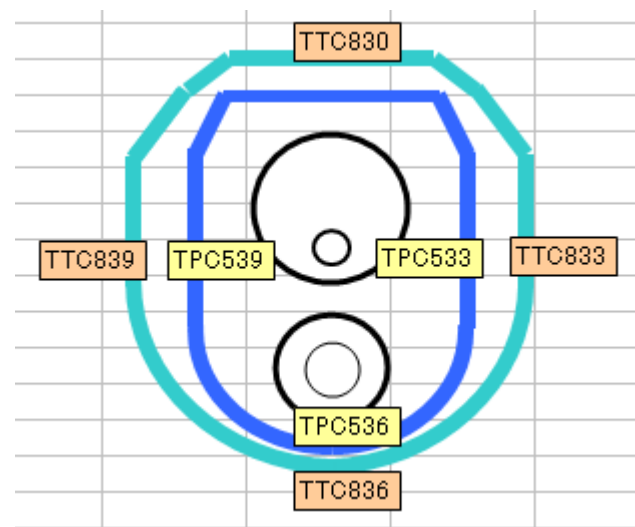
Thermal conditions at heat load measurement at 4K (June 16 – 17)

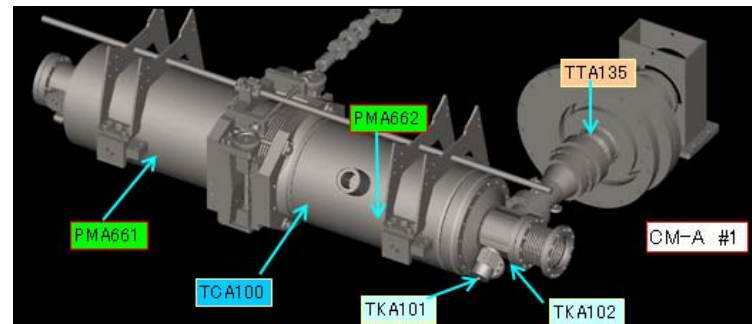
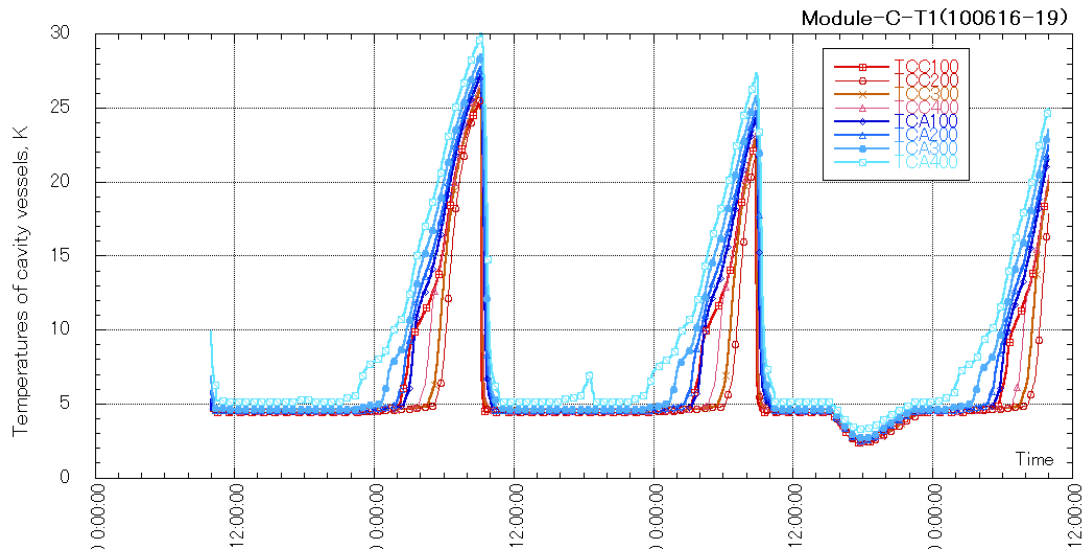


80K thermal shield
 TTC833, TTC839:Module-C center pos.
 TTA833, TTA839:Module-A center pos.



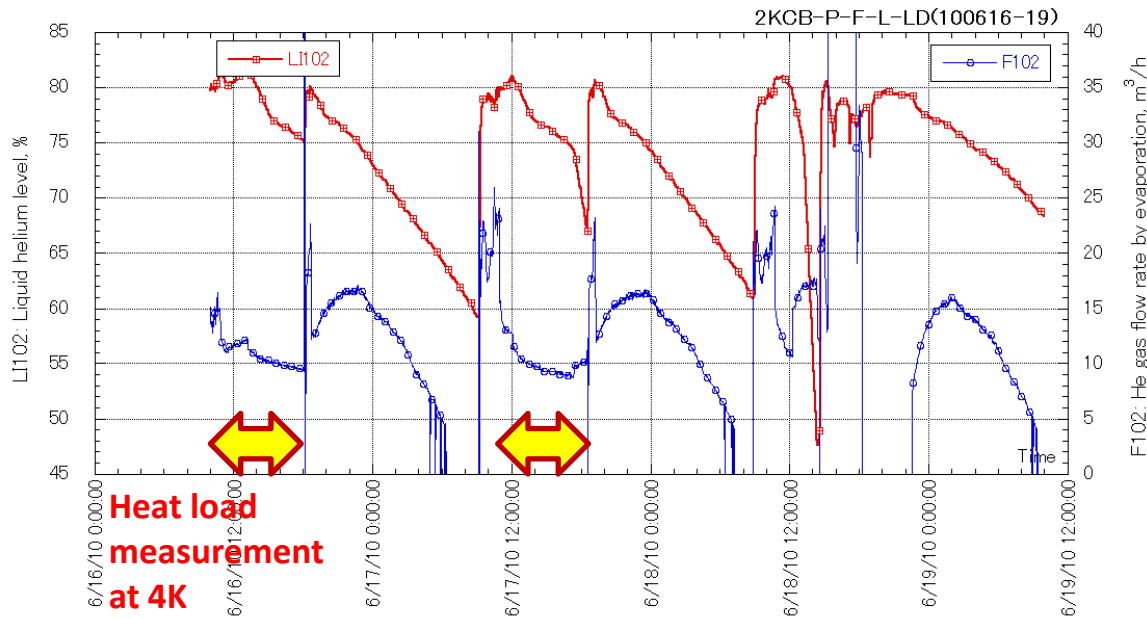
5K thermal shield
 TTC533, TTC539:Module-C center pos.
 TTA533, TTA539:Module-A center pos.





TCC100, 200, 300, 400: Module-C vessels
 TCA100, 200, 300, 400: Module-A vessels

Clearly, the starting time of temperature rises of Module-A cavity vessels are earlier than the time for Module-C cavity vessels.



He gas flow by evaporation

June 16

F102=9.50 m³/h @ L102=75.4%
 Q=9.10 W

June 17

F102=9.07 m³/h @ L102=75.4%
 Q=8.69 W