

Cavity & Cavity Integration; recent KEK activities

- (1) Slide jack tuner piezo response is in measurement in room temperature.
(understanding of the data is on going.)

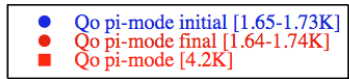
 - (2) Process of DESY-design TTF-V coupler from LAL was started with short pulse,
400 μ s pulse width : 1 MW, 1.5ms 500kW, 400 μ s 2MW process is underway.

 - (3) MHI-05 cavity was 50 μ m EP removal, H₂O₂ rinse and
2nd vertical tested on Feb. 26.
→ Max. 20.4MV/m heating at #8 cell equator away from EBW.
inspection camera could not catch any defect on there.

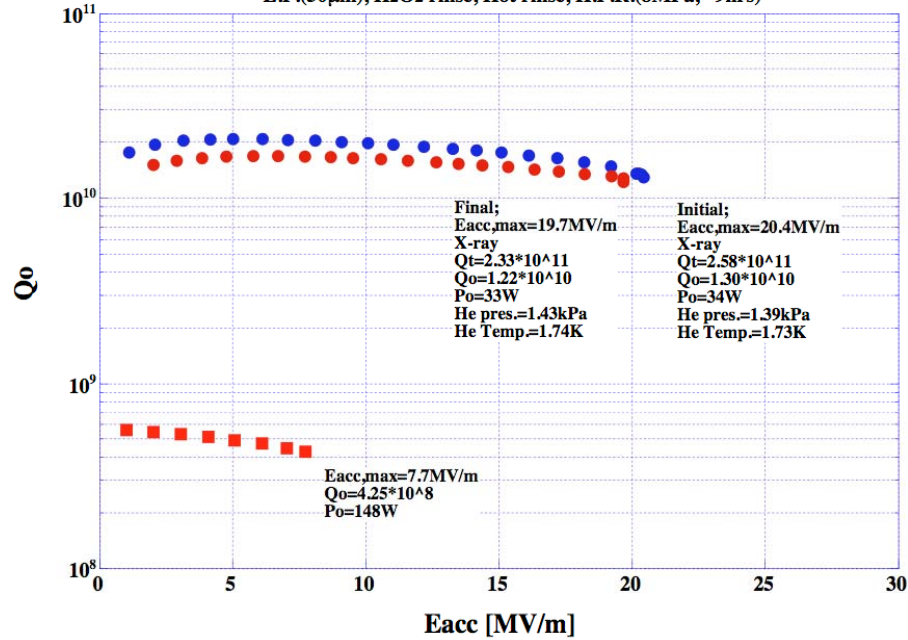
 - (4) MHI-06 cavity was 50 μ m EP removal, H₂O₂ rinse and
4th (2nd 50 μ mEP) vertical tested on Mar. 12.
→ Max. 19.6MV/m heating at #9 cell equator around EBW.
inspection camera is ready to look.
- * MHI-05, MHI-06 will be 20 μ m EP removal and Ethanol rinse in the next test (April).
- ** MHI-05, MHI-06 : both 27MV/m, FE-limited in 1 st vertical test.

MHI #5 cavity : 2nd VT (2nd 50 μ m EP)

small radiation
heating at #8 cell equator

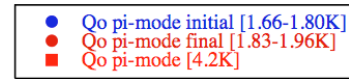


STF Baseline Cavity #5 2nd. Vertical Test 02/26/2009
E.P.(50 μ m), H2O2 rinse, Hot rinse, H.P.R.(8MPa, ~9hrs)



MHI #6 cavity : 4-th VT (2nd 50 μ m EP)

no radiation
heating at #9 cell equator



STF Baseline Cavity #6 4th. Vertical Test 03/12/2009
E.P.(50 μ m), H2O2 rinse in Hot-bath, H.P.R.(~9hrs)

