

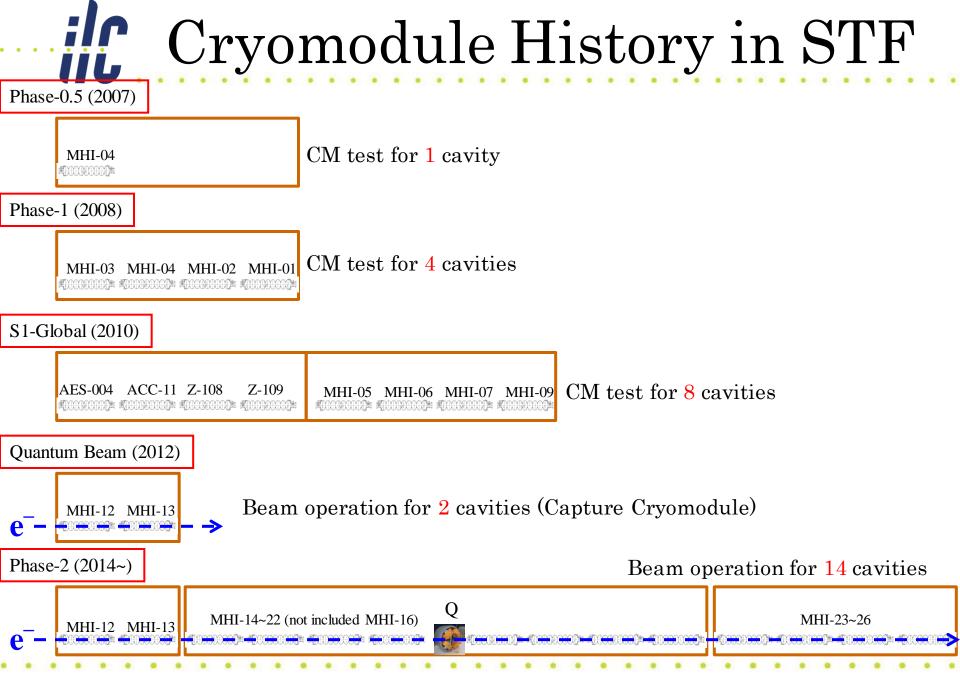
Recent SRF Activity in KEK

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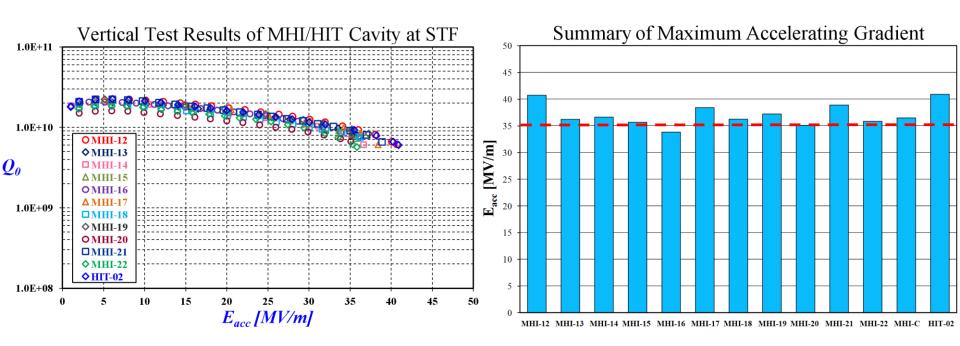


Measured/Fabricating Cavities in STF

\succ	MHI-01~04	Phase-1 (already done)	
	MHI-05~09	S1-Global (already done, except for MH	I-08)
\triangleright	MHI-10, 11	S0 plan (already done)	
\succ	MHI-12, 13	Quantum Beam (already done, Capture	Cryomodule)
\triangleright	MHI-14~22	Phase-2 (for CM-1)	
\succ	MHI-A	New fabrication method	MHI-Kobe
	MHI-B, C	New fabrication method	
	MHI-23~26	Under fabrication, Phase-2 (for CM-2a)	
	MHI-27~30	In Plan	MHI-Mihara
		· ·	MHI-Mihara
	MHI-27~30	In Plan	MHI-Mihara
\rightarrow	MHI-27~30 HIT-01, 02	In Plan New vendor	MHI-Mihara
	MHI-27~30 HIT-01, 02 TOS-01, 02	In Plan New vendor New vendor	MHI-Mihara
	MHI-27~30 HIT-01, 02 TOS-01, 02 KEK-00, 01	In Plan New vendor New vendor In house (Under fabrication)	MHI-Mihara
	MHI-27~30 HIT-01, 02 TOS-01, 02 KEK-00, 01 AES-001	In Plan New vendor New vendor In house (Under fabrication) International Collaboration	MHI-Mihara



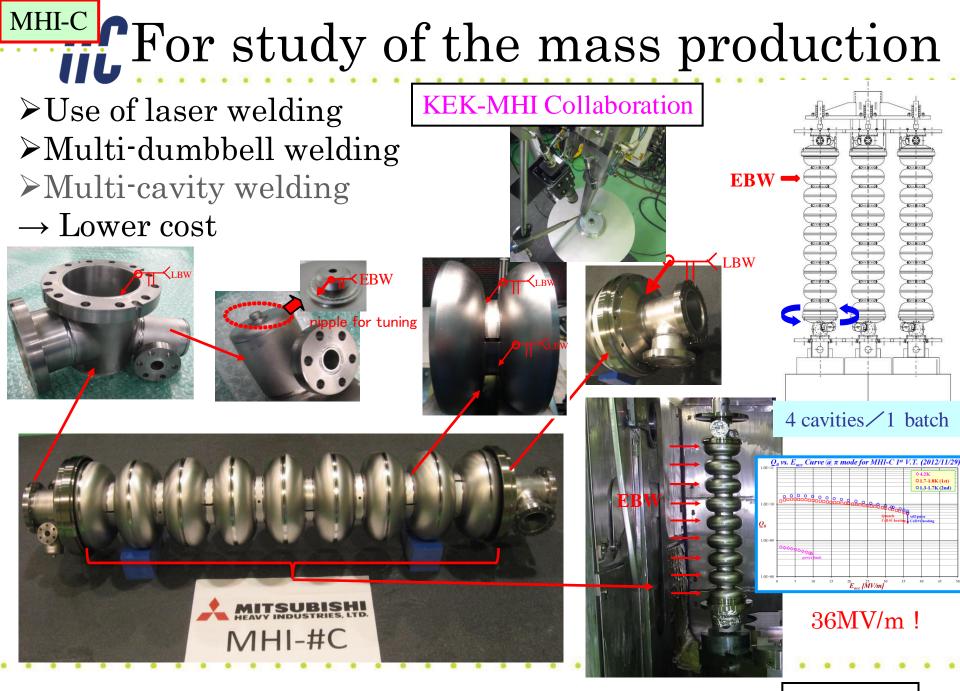
IC Recent Results of V.T.



Eight cavities for STF-2 reached above 35 MV/m.
HIT-02 reached around 41 MV/m.
MHI-C reached around 36 MV/m.

Ongoing Cavities

- > MHI-C Go to 3^{rd} V.T. after local grinding
- ➢ MHI-23~26 Will be completed on May
- > HIT-02 Just finished 6^{th} V.T. for R&D
- ➢ KEK-01 Will be completed by summer
- > PKU-04
 1st V.T. done on February
 20 μ m EP (this week) / 2nd V.T. (next week)

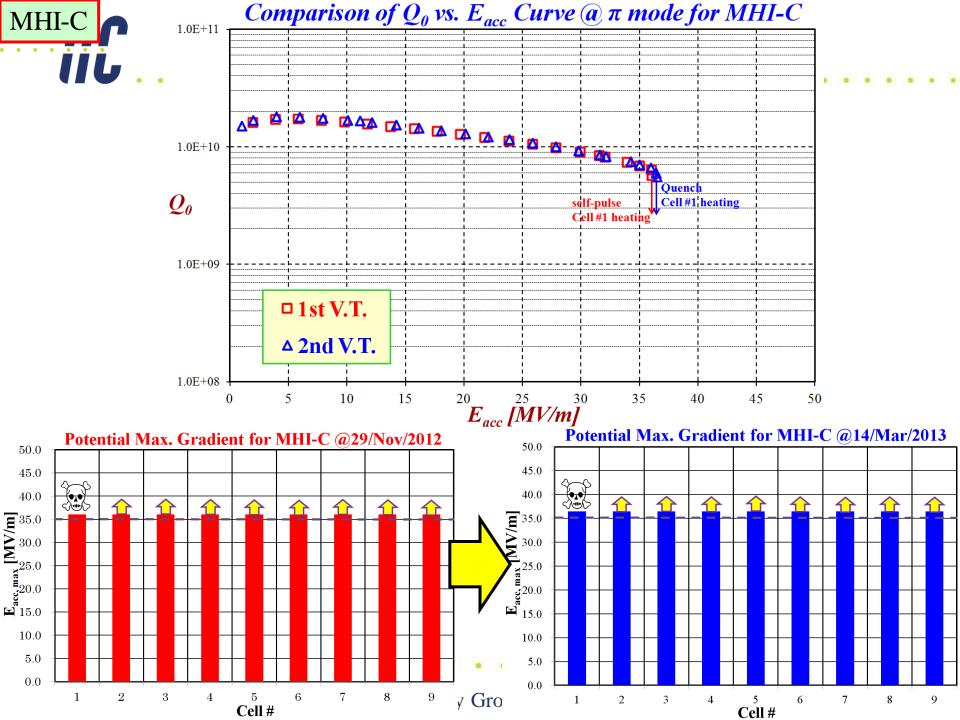


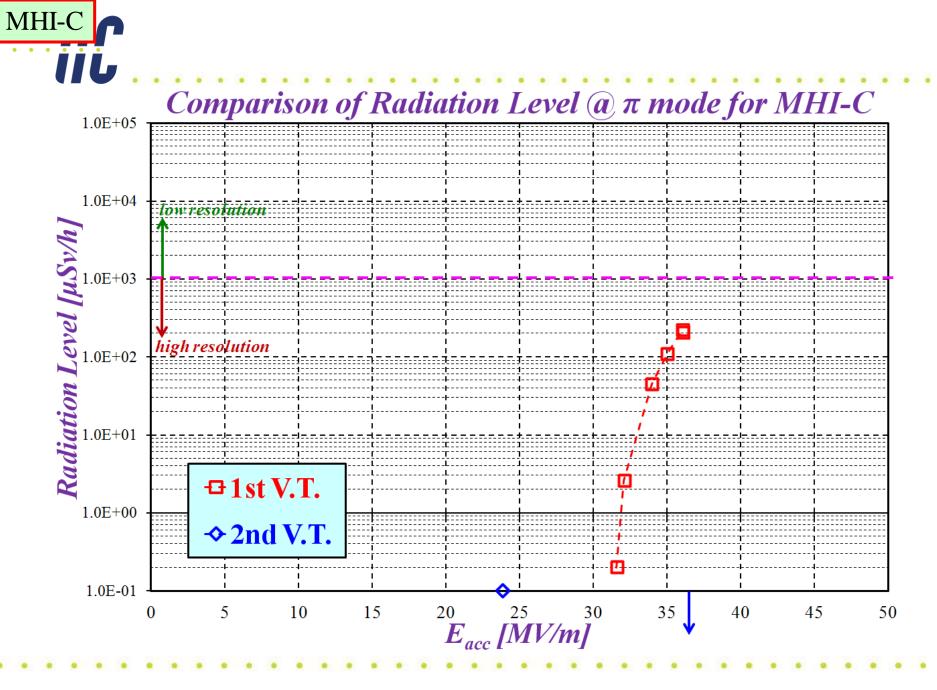
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LCC Cavity Group Meeting

F. Inoue (MHI)

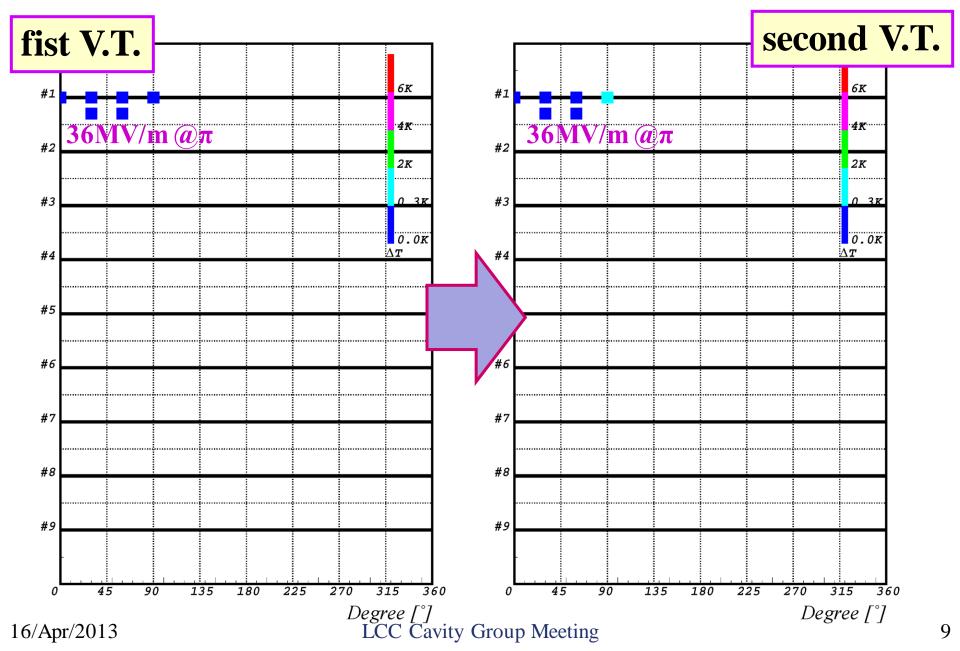
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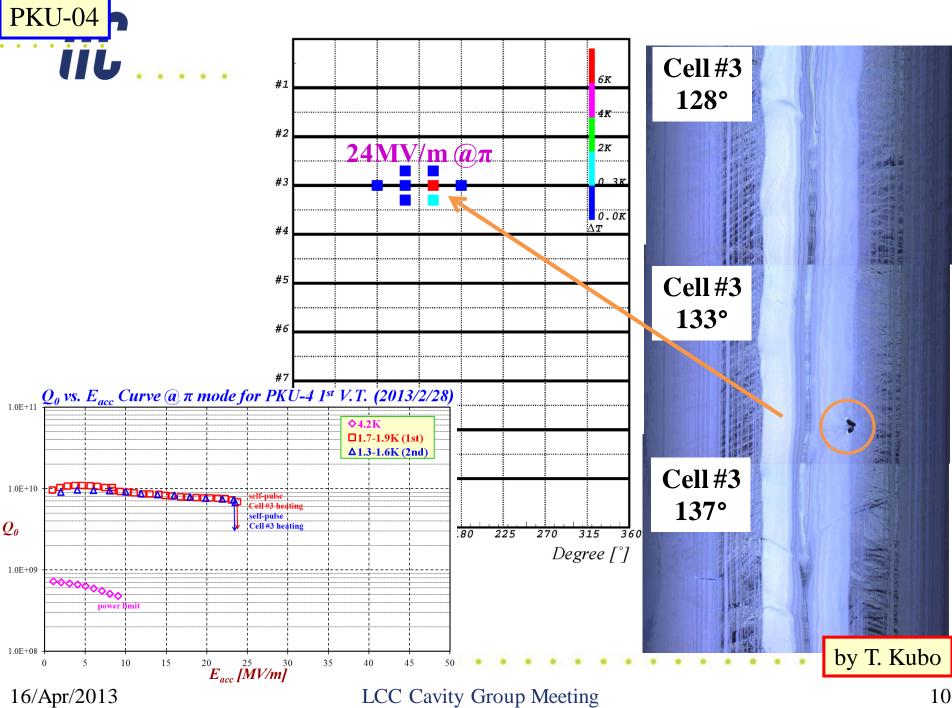




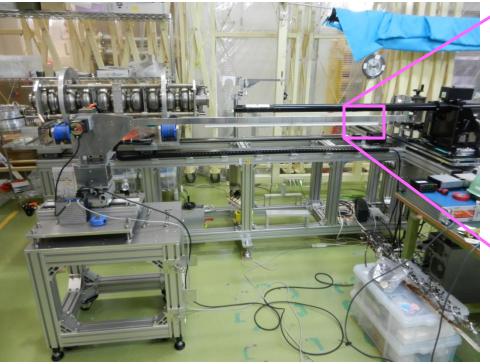
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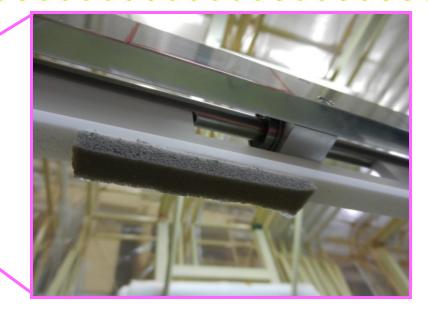
MHI-C Comparison of T-mapping $a\pi$ mode





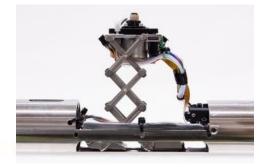
Automatic machine for Iris grinding

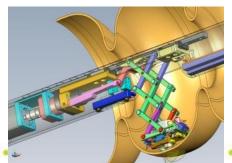






Recently, we are developing the new grinding machine for every iris region.





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LCC Cavity Group Meeting

C Other Activities

- > Input coupler conditioning for STF-2 (eight couplers)
- Input coupler (made by IHEP) conditioning (already done)
- Vertical EP R&D with a company (Hayano-san knows)
- Disassembly of the beamline for the Quantum Beam Project
- ➢ Preparing for 2nd Multi-Beam Klystron

Thank you for your attention

16/Apr/2013

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