



KEK Status Report

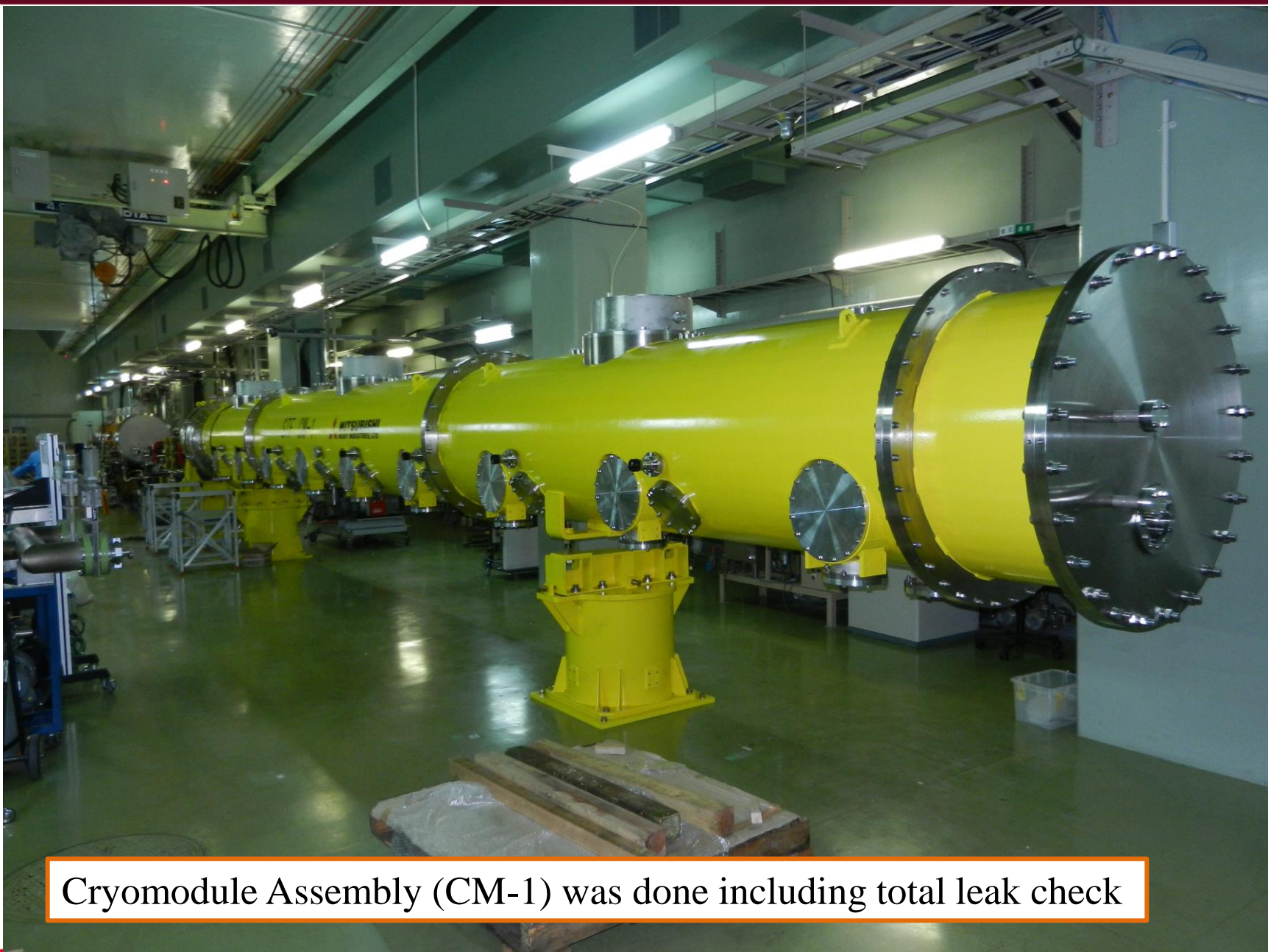


STF Status

- STF-2 Cryomodule (CM-1, 8 cavities & Q-magnet)
 - Assembly working for CM-1 was done yesterday after total leak check
 - CM-2a (half size) assembly will start from March
 - First cool-down will start from Autumn
 - Cavity
 - V.T. for MHI-23~-26 cavities installed into CM-2a will be done in this week
 - Helium tank will be jointed for these cavities by MHI
 - They will return to STF early on March
 - MHI-D cavity will be fabricated/tested for check of technology improvement
 - MHI-27~-30 will be fabricated/tested after above check
 - Others (R&D)
 - Magnetic shield study starts in vertical cryostat for V.T. (Tsuchiya-san/Masuzawa-san)
 - Large grain 1-cell cavity (In-house) experienced bulk EP (Umemori-san/Kubo-san)
 - Seamless 1-cell cavity (In-house) was sent to FNAL for barrel polishing (Yamanaka-san)
 - Fabrication of KEK-01 9-cell cavity (In-house) will be done on March (Saeki-san)
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CM-1 in STF-2



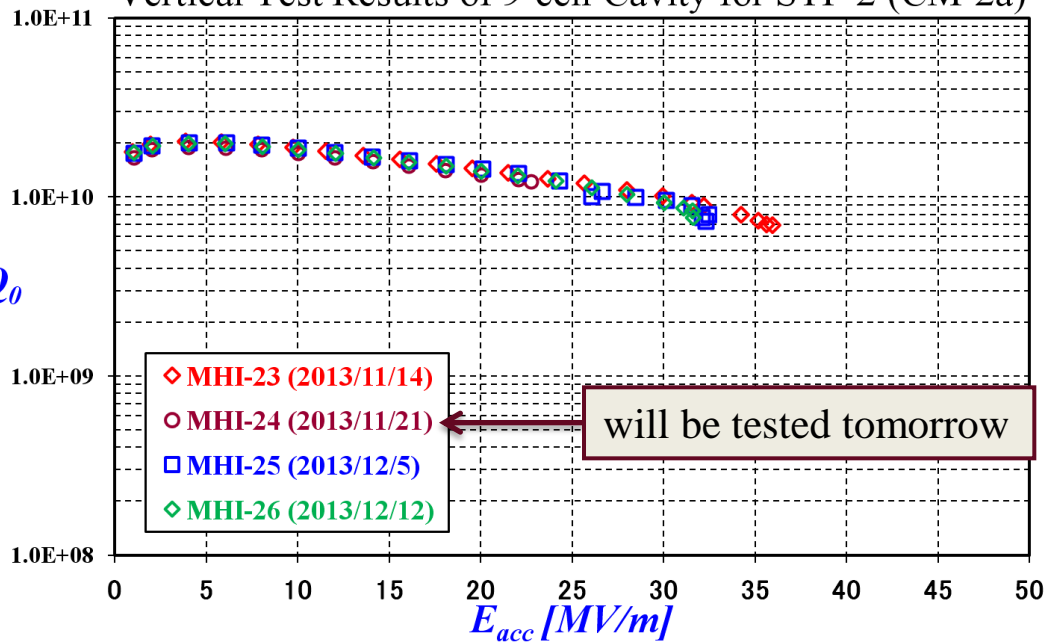
Cryomodule Assembly (CM-1) was done including total leak check



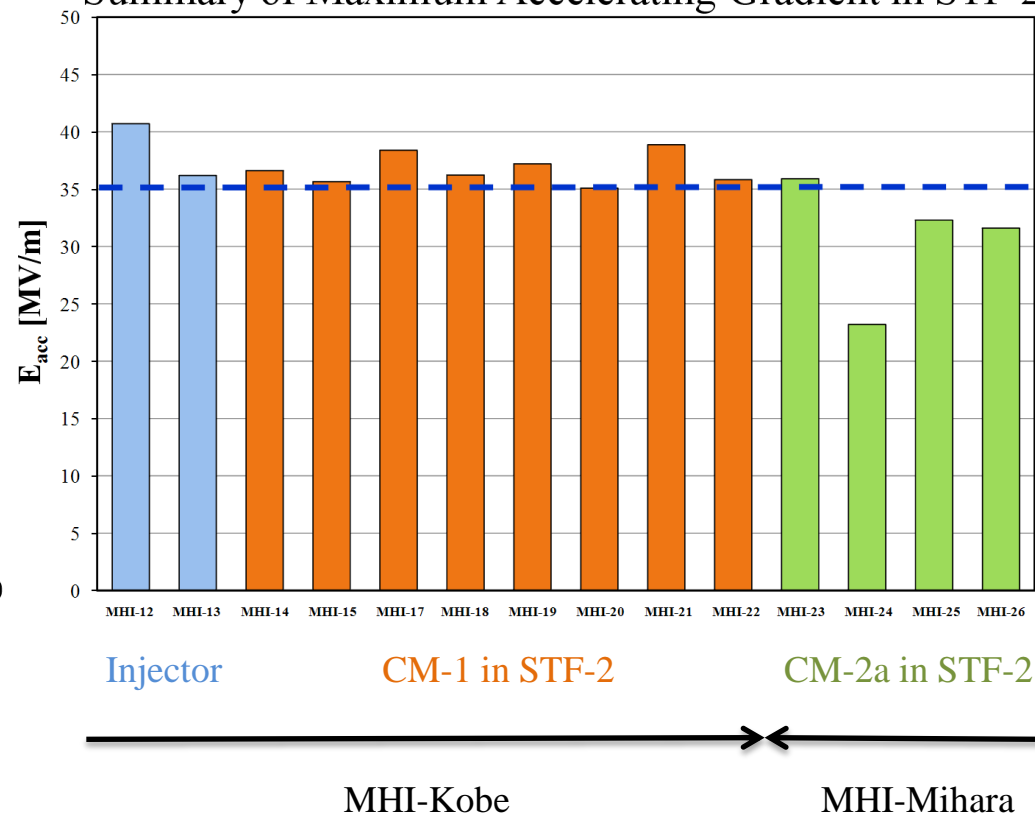
Recent Cavity performance

- ◆ MHI-12~-22 were fabricated in MHI-Kobe
- ◆ MHI-23~-26 were fabricated in MHI-Mihara

Vertical Test Results of 9-cell Cavity for STF-2 (CM-2a)



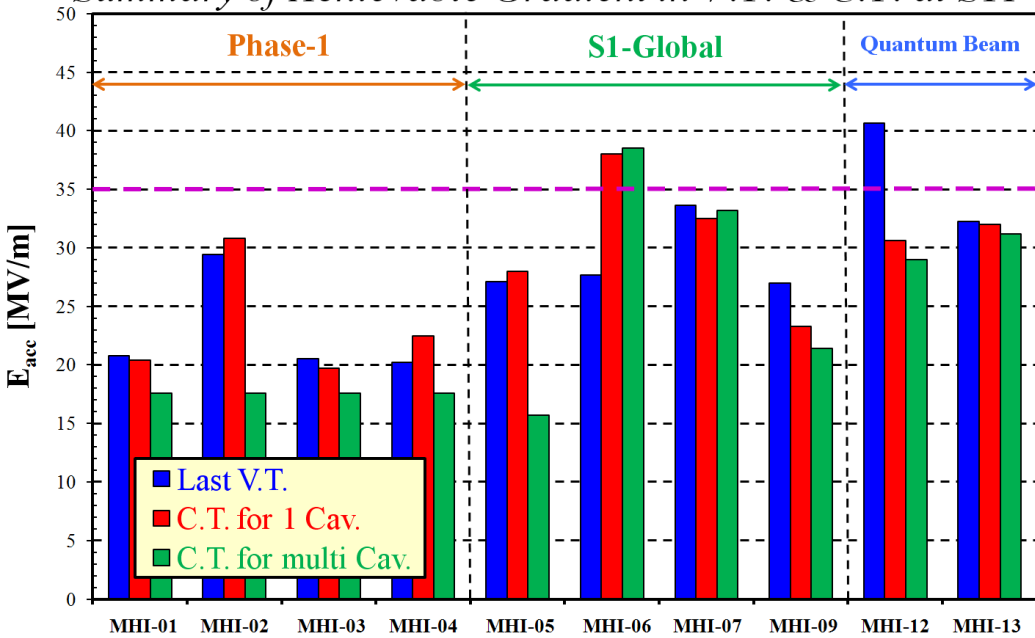
Summary of Maximum Accelerating Gradient in STF-2



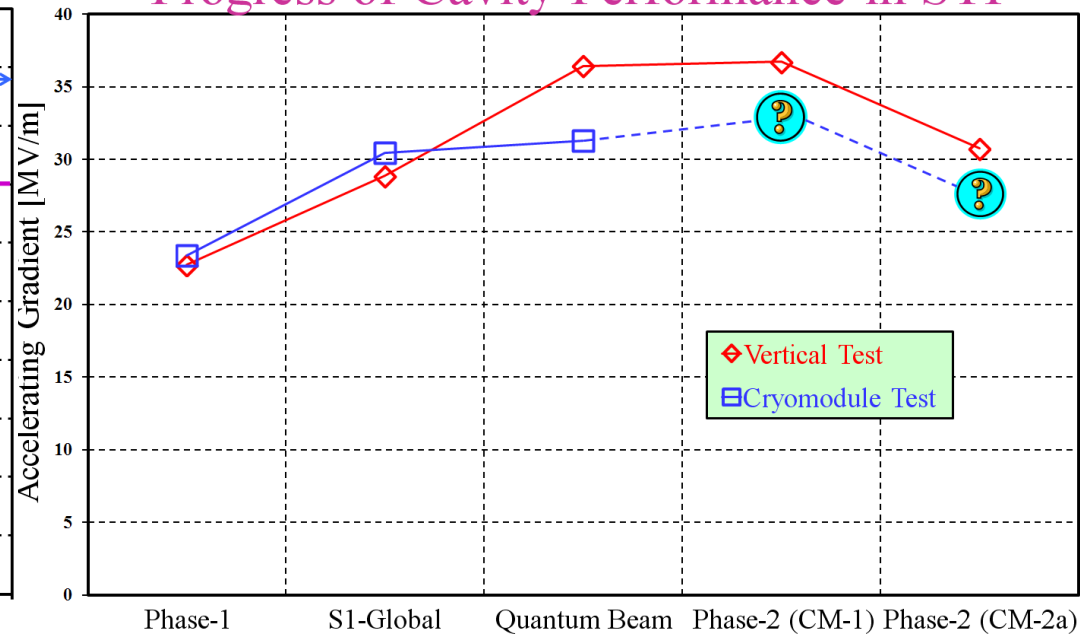


History of Cavity performance

Summary of Achievable Gradient in V.T. & C.T. at STF



Progress of Cavity Performance in STF





Thank you