Cavity status; recent KEK activities

(1) MHI-016, MHI-017 ; 9 cell cavities field measurements

MHI-016: 1st VT 21.0MV/m @ Q0=1.1E10 May 19,2011

defect on cell #1 was known after bulk EP,
gradient was limited by this defect.
local grind will be applied before 2nd test.

MHI-017: 1st VT 38.4MV/m @ Q0=6.1E09 June 02,2011

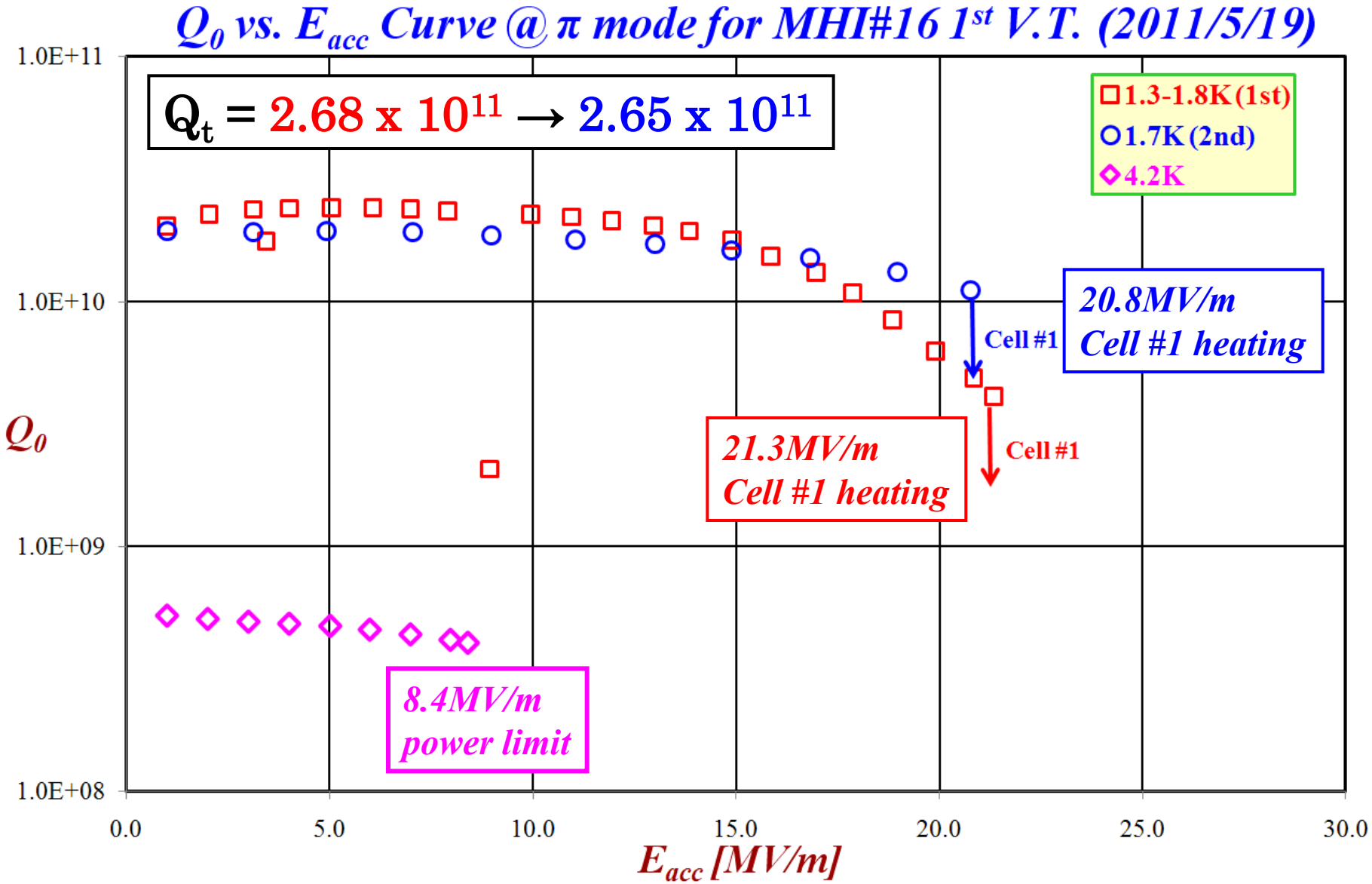
no defect was observed after bulk EP,
ILC specification clear performance,
so it will go module installation.

Next vertical test is scheduled on 16 June

(MHI-014, 3rd VT, field emission turned on by #8-#9iris scratch,
local grind will be applied).

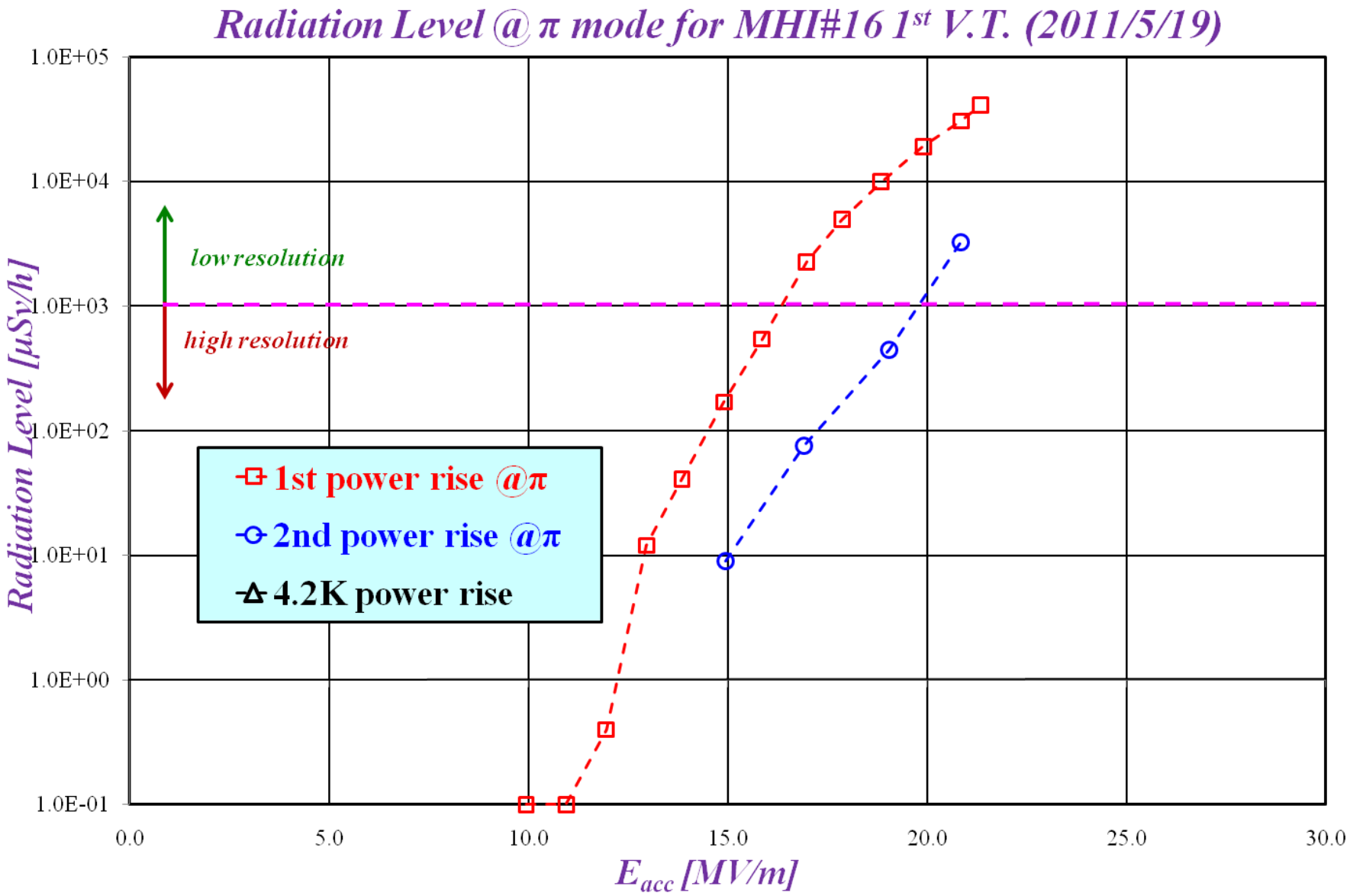
Result of MHI-016 1st VT

Q_0-E_{acc} Curve for MHI #16 @1.8K & 4.2K



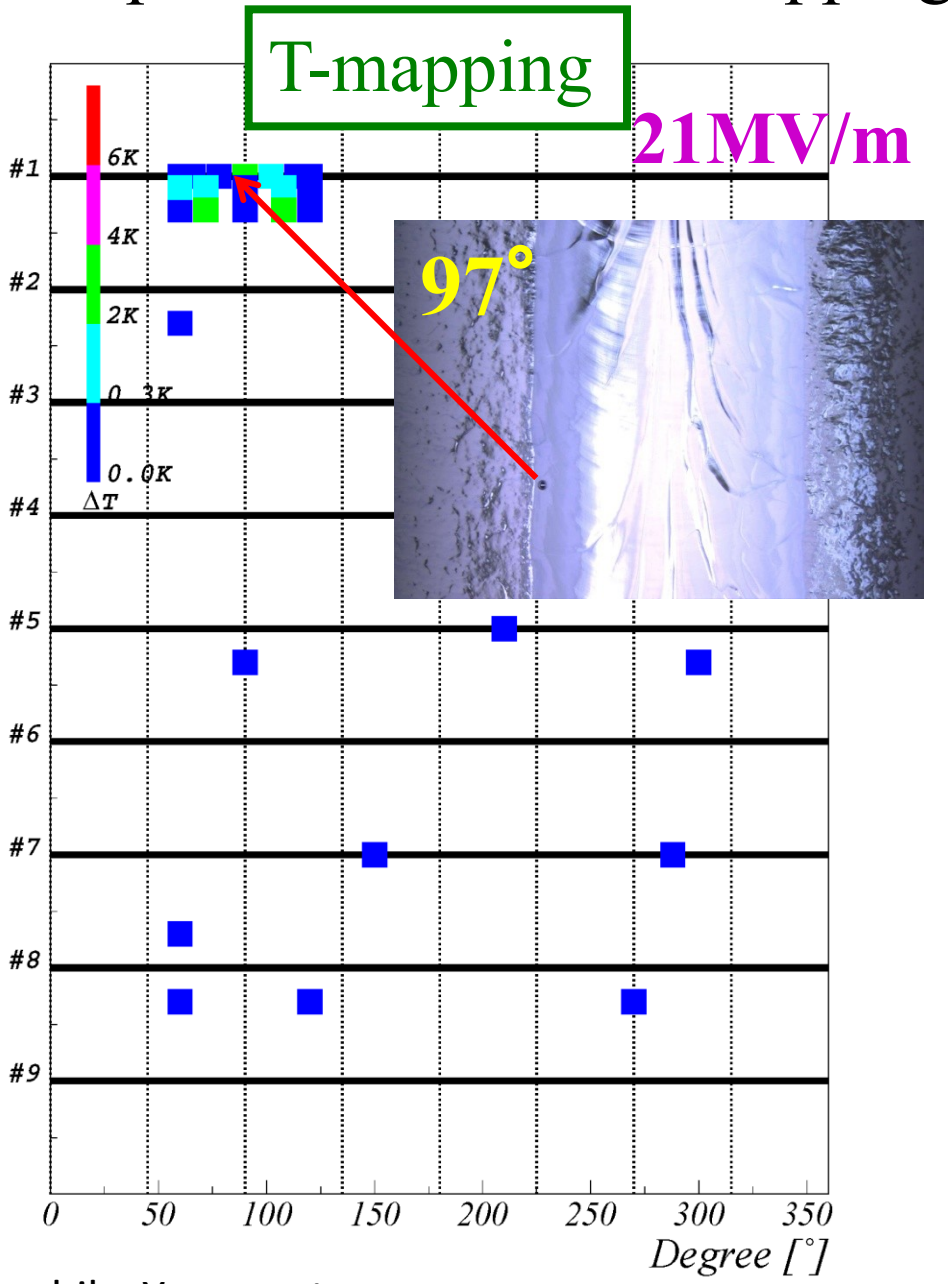
Yasuchika Yamamoto

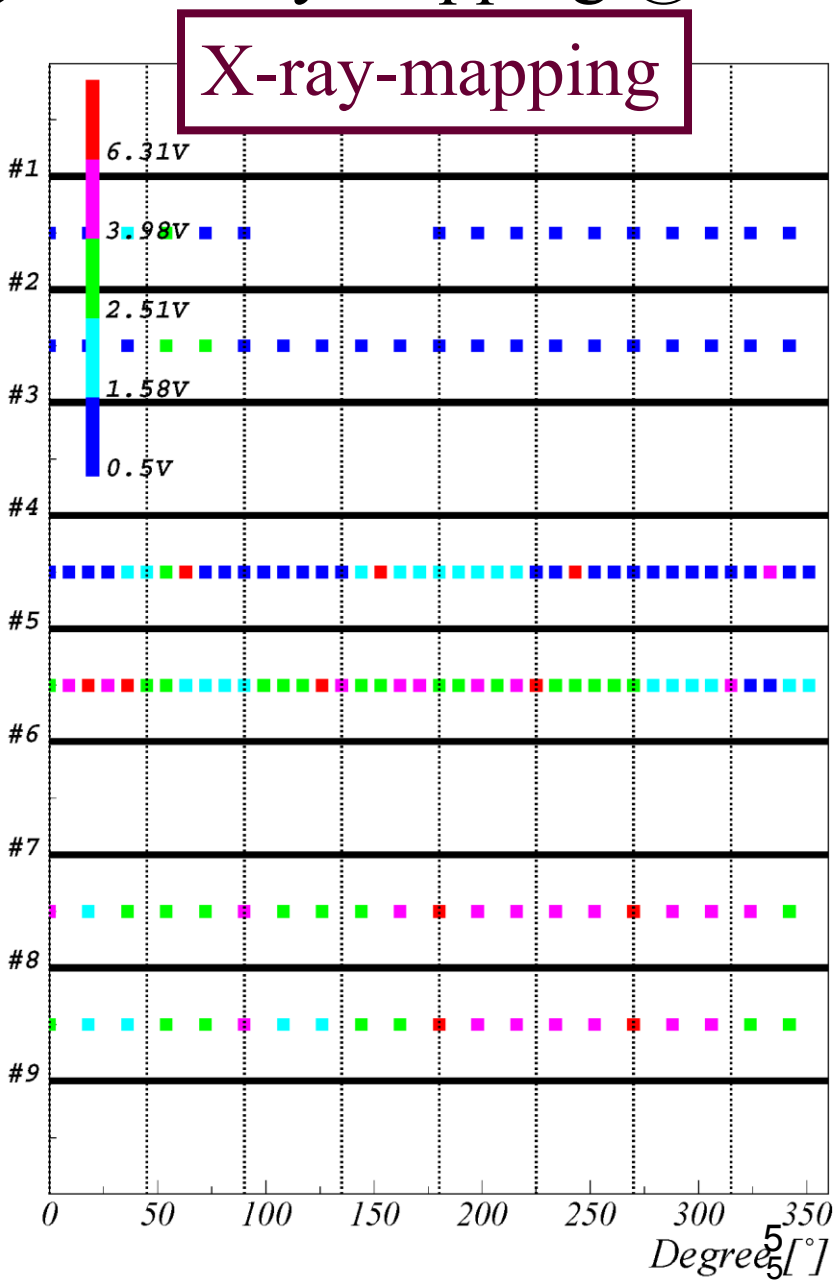
Radiation Level in π mode measurement @2K



Yasuchika Yamamoto

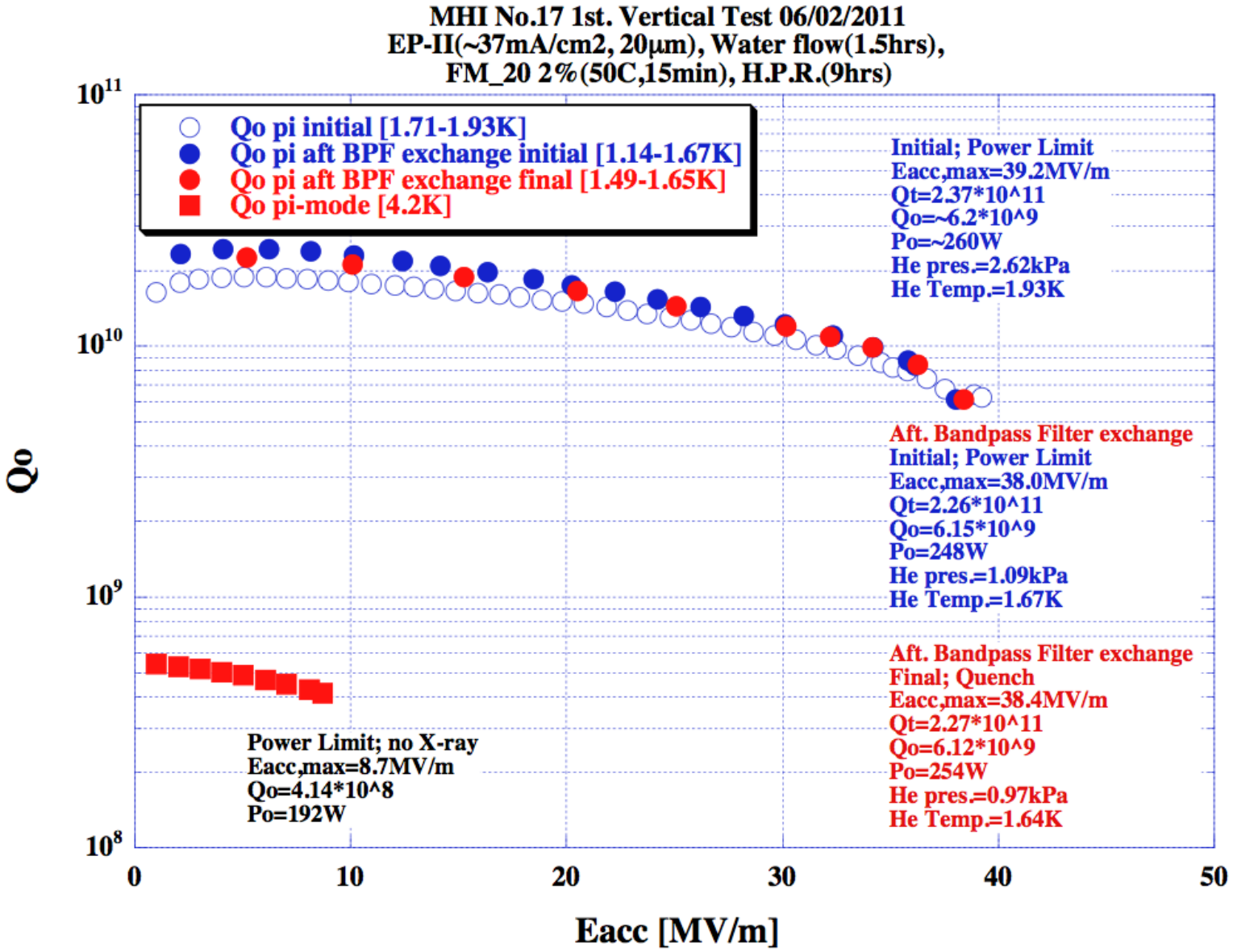
Comparison between T-mapping and X-ray mapping @2nd π





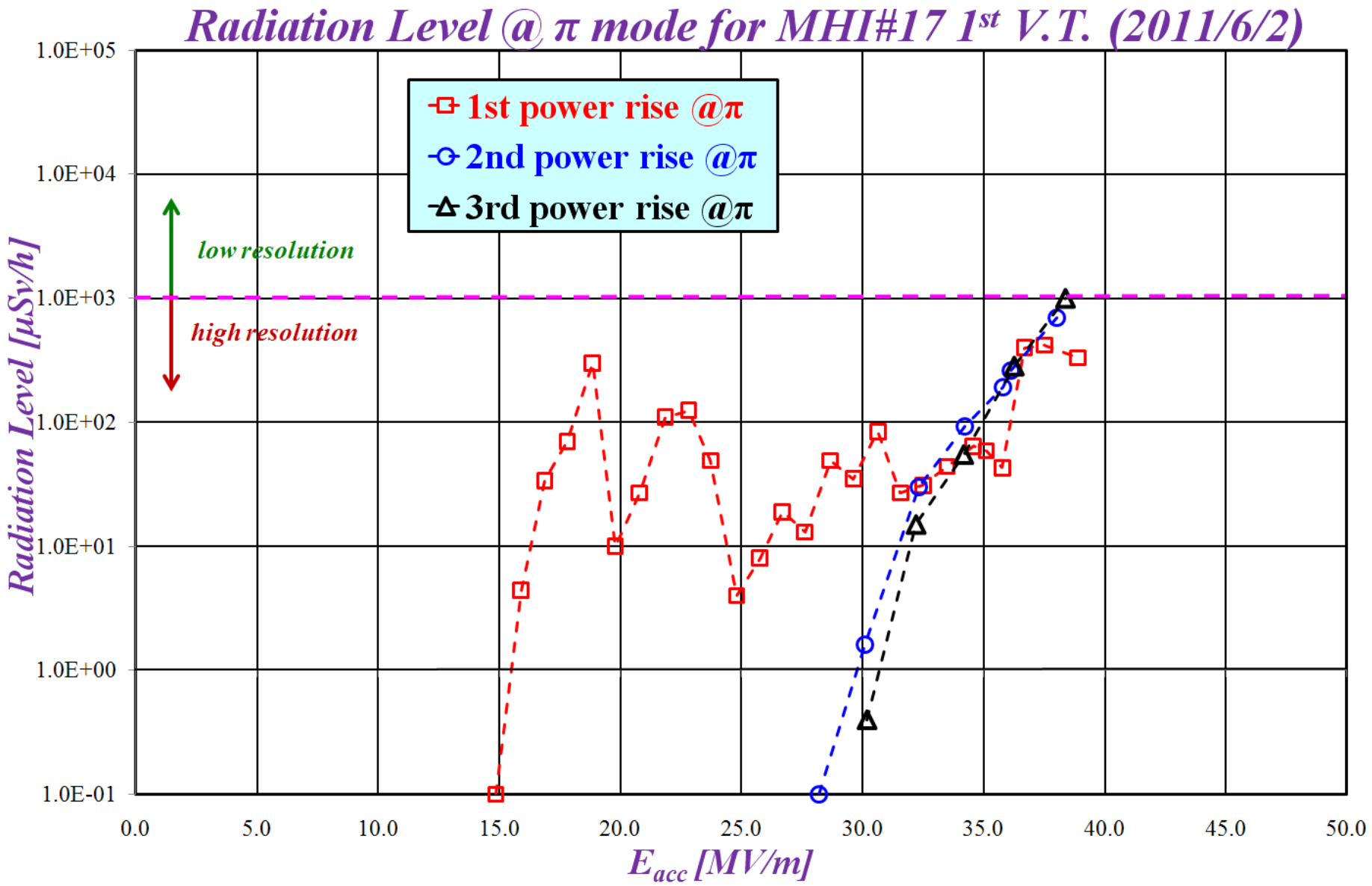
Yasuchika Yamamoto

Result of MHI-017 1st VT



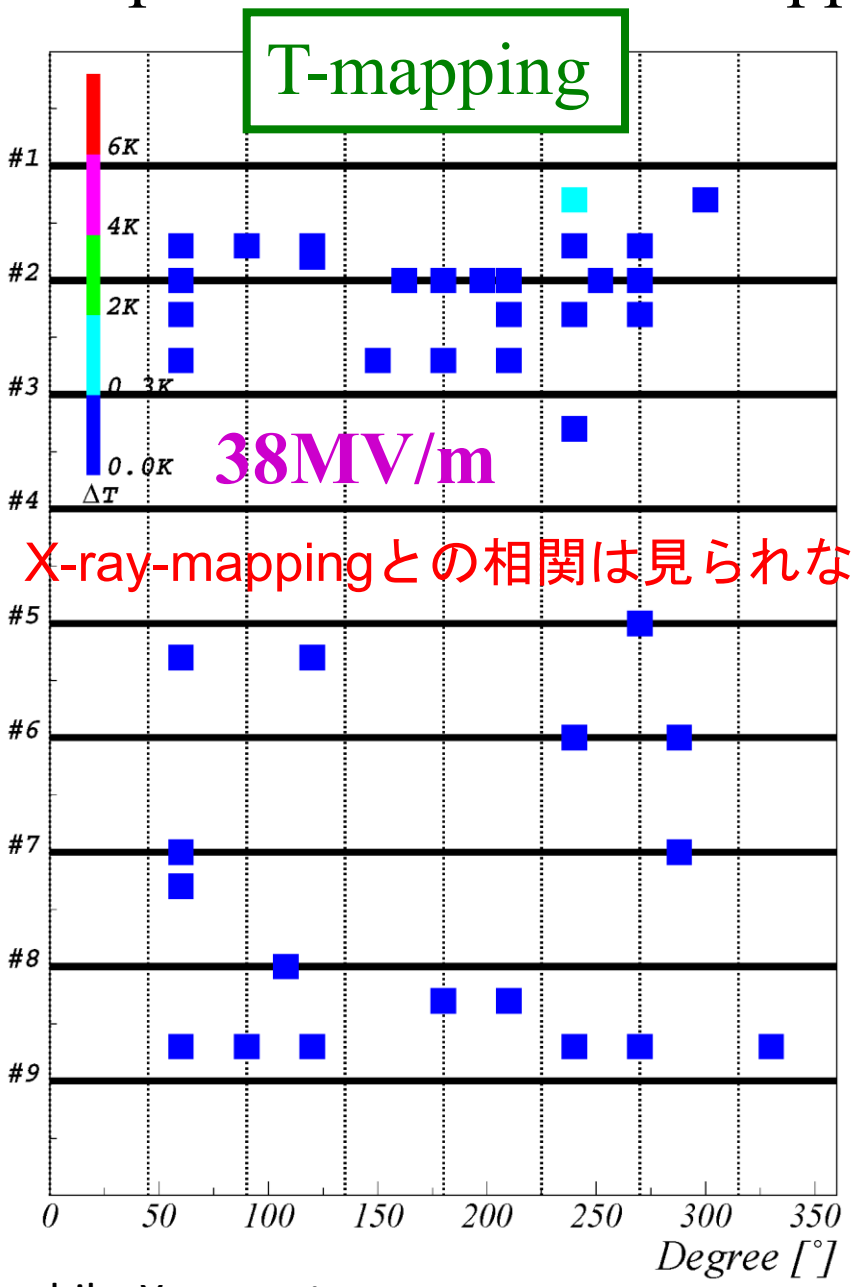
Toshio Shishido

Radiation Level in π mode measurement @2K



Yasuchika Yamamoto

Comparison between T-mapping and X-ray mapping @3rd π



38MV/m

X-ray-mappingとの相関は見られない。