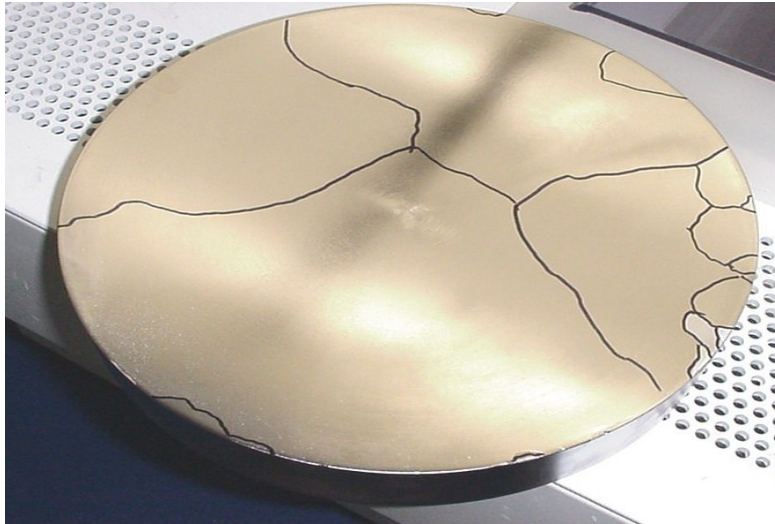
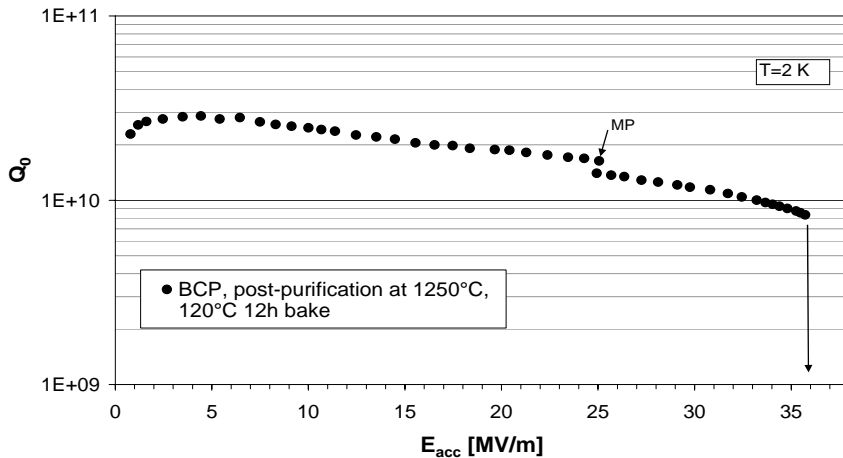


Recent Progress LG/SC Nb

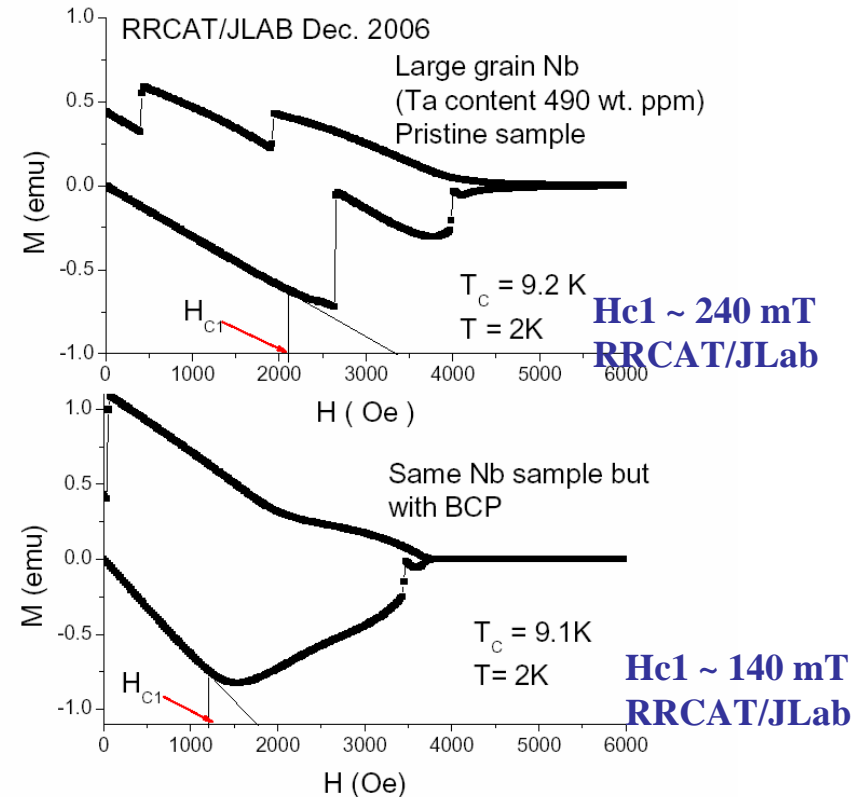
Ganapati Rao Myneni



TESLA 1.3 GHz single cell, large grain CBMM Ingot "E"

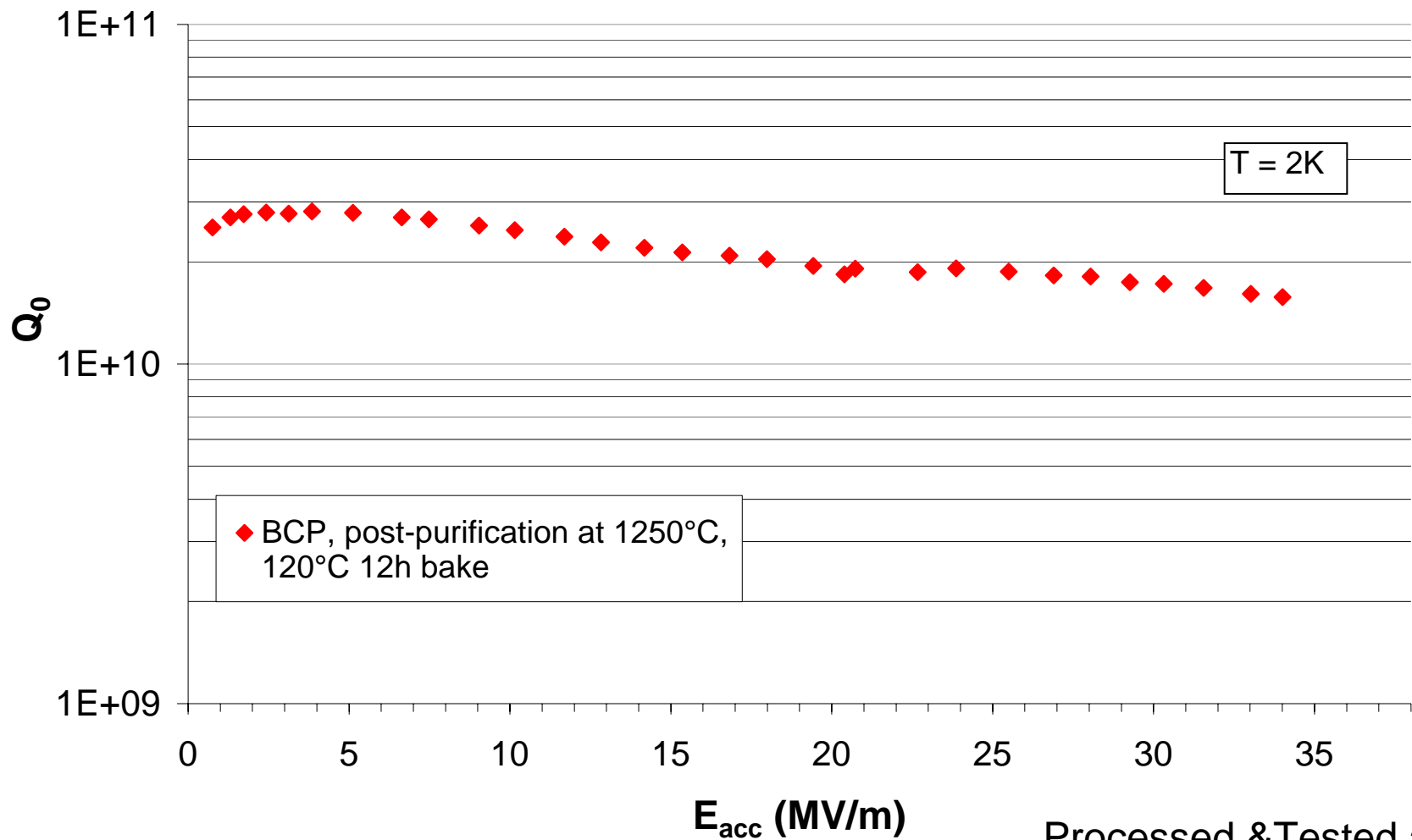


CBMM Ingot E Eacc ~ 36 MV/m
Hc1 ~ 153 mT



As received PolyXTAL Hc1 ~ 180 mT

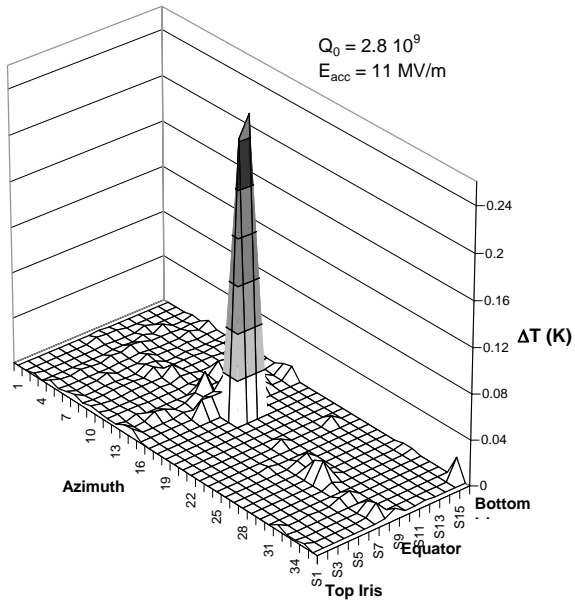
Single Crystal DESY Cavity, Heraeus Niobium



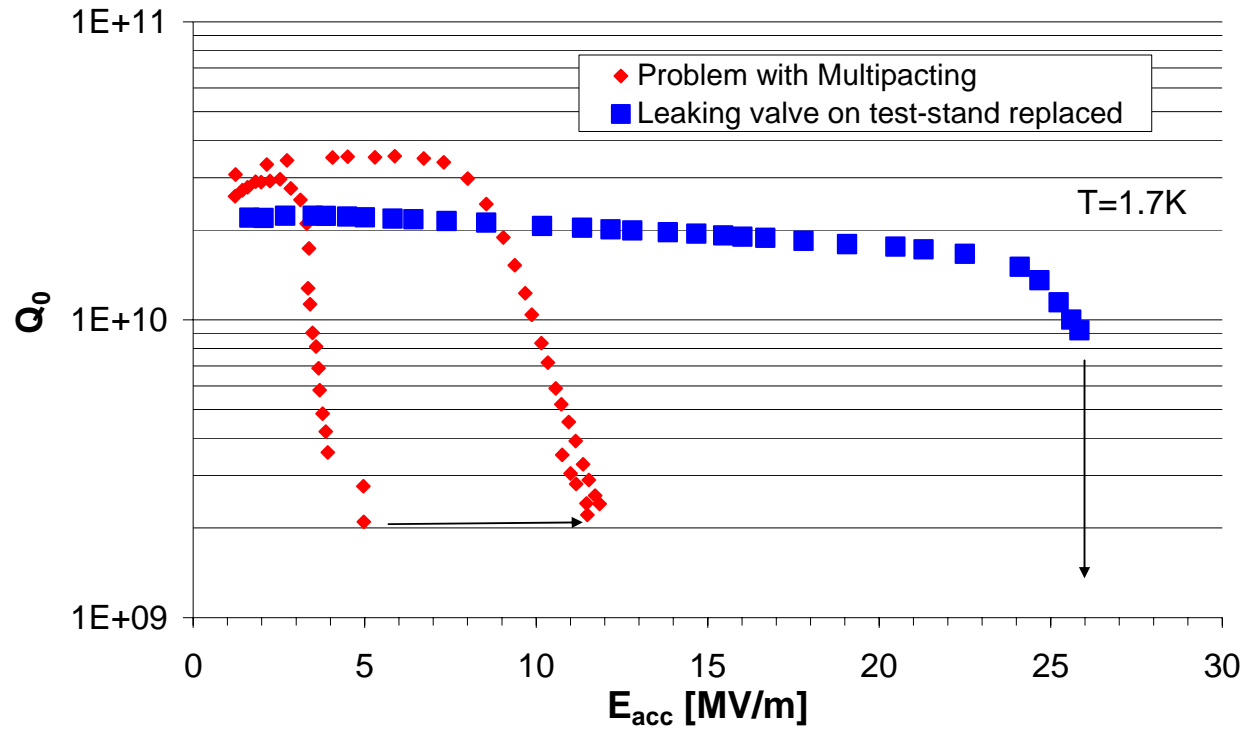
Processed & Tested at JLab

Multipacting problem

T-map showing MP
at equator



CEBAF Single cell cavity, large grain CBMM ingot "B"



On Going Work

- 1 small grain & 2 large grain 9 cell TESLA cavities are ready for testing
 - A 3 year CRADA is signed off with RMCI/CBMM Large Grain Nb Ingots
 - Revise the RRR Nb specifications
 1. Ta content ~ 1500 wt ppm
 2. RRR ~ 200 – 250
- For CW applications