

# Single cell coordination

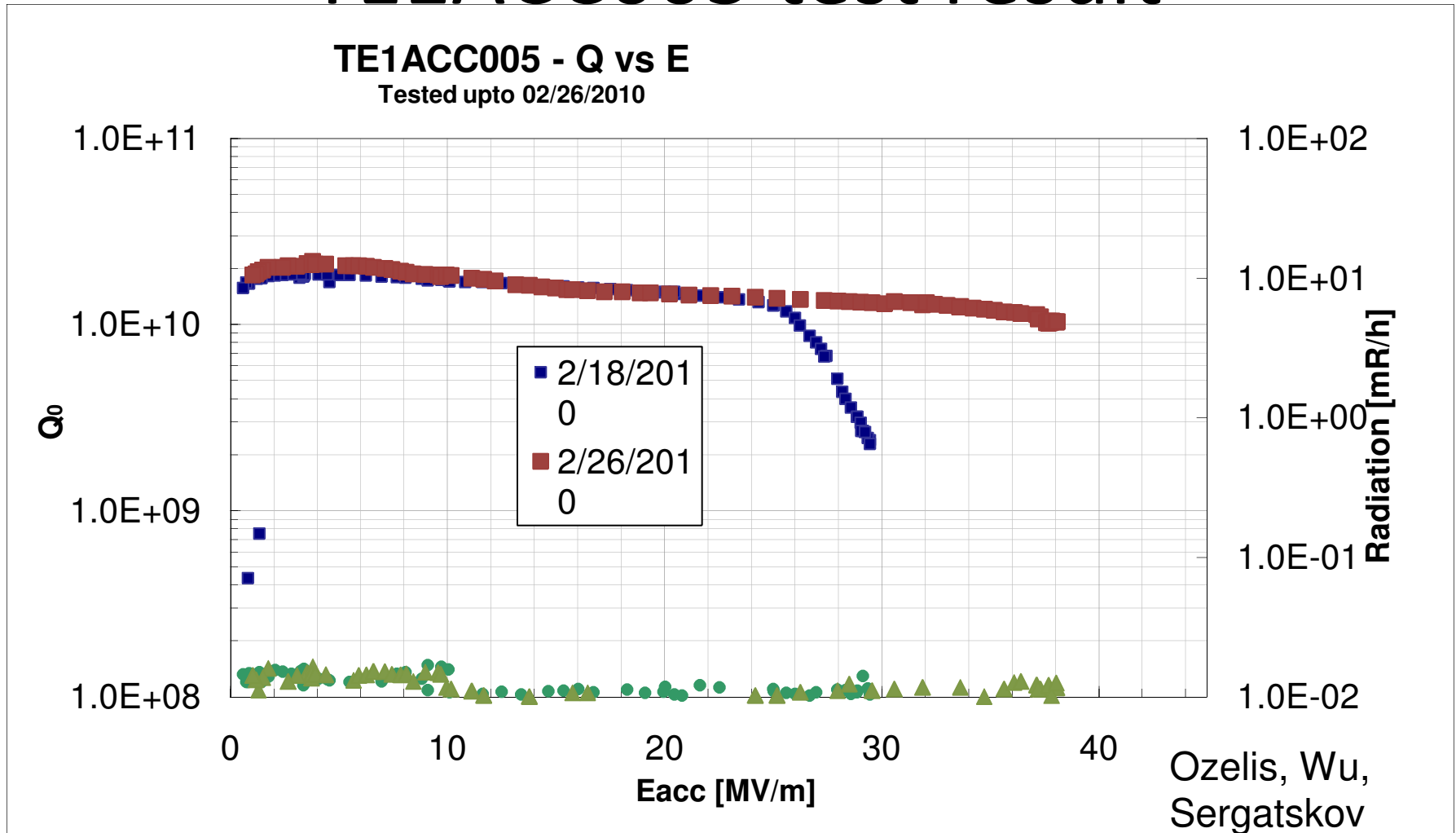
# Summary

- NR-4 (ABLE EP), Tested at A0, suffered Q-disease (per Ge and Harms)
- TE1ACC005 (ECS), tested before/after bake(38 MV/m)
- TE1ACC001(ANL EP), tested, (38 MV/m)
- TE1ACC003 (Laser), Final EP done, in queue for HPR/Assy.
- TW1AES001&002 (traveling wave) BCP planned this week.
- TE1CAT001/NR-6, tumble polishing in progress.
- TE1CAT002 (India collab.), EP done, in queue for HPR/Assy.
- TE1AES004 (basic SRF), in queue for HPR/Assy.

# Single cell list

Number	Current location	Main purpose	Latest Activity	Current status	Notes
TE1AES004	ANL	Equator quenching, T-map		In queue for HPR/assy.	
TE1AES005	FNAL ICB	CMP, EP, ABLE		To be HF rinsed	
TE1ACC001	IB1	FE	RF tested		
TE1ACC002	CABOT	CMP		RF test done, to be polished at CABOT	
TE1ACC003	ANL	laser remelting	Final EP	In queue for HPR/assy.	
TE1ACC004	MDTL	Tumbling	Inspected/replicated	To ABLE EP	
TE1ACC005	IB1	Eddy current scanning	RF tested	Optical inspection and one final EP (40micon)	
TE1ACC006	FNAL_ICB	Eddy current scanning		To be progressive EP	
NR-1	ANL	ANL RF commissioning	RF tested		
NR-4	A0	ABLE EP	RF tested		
NR-5	FNAL/ICB	E-beam remelting on Pit		inspected, to be processed	
NR-6	FNAL/ICB	Tumble	Tumble polishing		
TE1PAV001	PAVAC				
TE1PAV002	PAVAC				
TE1PAV003	PAVAC				
TE1PAV004	PAVAC				
TE1PAV005	PAVAC				
TE1PAV006	PAVAC				
TE1PAV007					
TE1CAT001	IB4	RRCAT collaboration	Tumble polishing		
TE1CAT002	ANL	RRCAT collaboration	Bulk EP	120C baking, RF test	
TW1AES001	IB4	Traveling wave prototype		Cavity inspection, Tooling design for BCP	
TW1AES002	A0	Traveling wave prototype		Cavity Inspection	

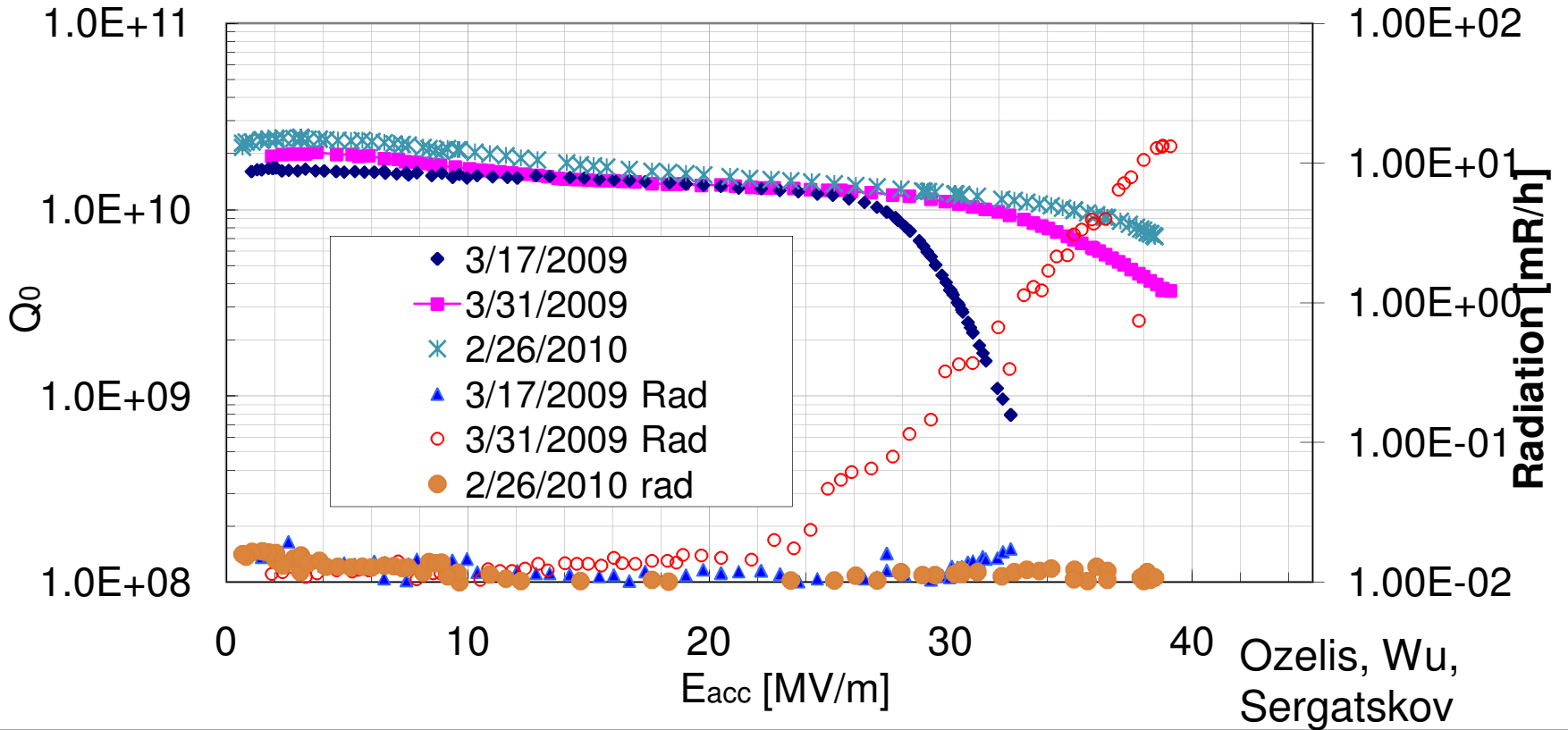
# TE1ACC005 test result



Cavity brand new from RI, manufactured using “bad” sheet (ECS determined). Only 40 micron removed by EP. T-map located the quench area at equator, not at “bad” spots.

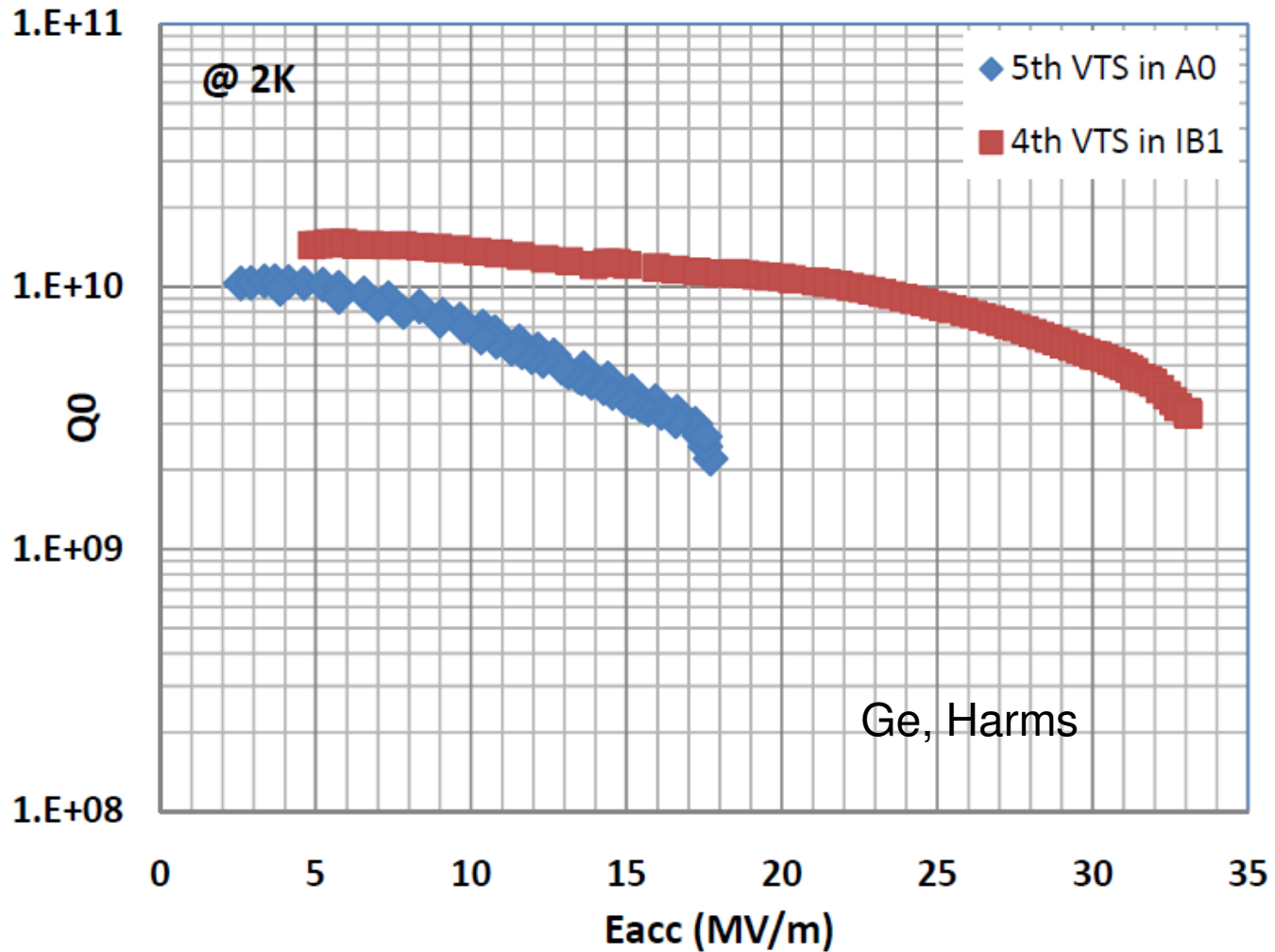
# TE1ACC001 - Q vs E

All tests upto 3/31/2009



T-map located the quench area near equator

# 1.3GHz single-cell cavity NR-4 4 th and 5th VT comparison



Cavity limited by Q-disease, T-map located the quench area near equator with 1-inch uncertainty.