

Single cell coordination

Single Cell Cavity Activity Plan

1. ANL EP optimization (TE1AES005, TE1ACC001)
2. R&D cavities
 - A. Tumble, 2 cavities (TE1ACC004, NR-6, TE1CAT001)
 - B. Laser re-melting, 2 cavities (TE1ACC003)
 - C. CMP process, 1-2 cavities
 - D. ECS investigation, 2 cavities (TE1ACC005, TE1ACC006)
 - E. manufacturing optimization, 2 cavities
 - F. Atomic Layer Deposition (ALD) cavities
 - G. Traveling wave cavity, 2 cavities
3. Vendor qualification
 - RRCAT, 2 cavities (TE1CAT001, TE1CAT002)
 - ABLE EP 2 cavities
4. Infrastructure support
 - Furnace verification, 1 cavity. (completed)
 - Diode T-map and second sound development 1 cavity
 - ANL HPR water verification 1 cavity
5. Basic R&D
 - A. EP cavity Q-slope studies
 - B. General Q-slope studies (TE1AES002)

Summary

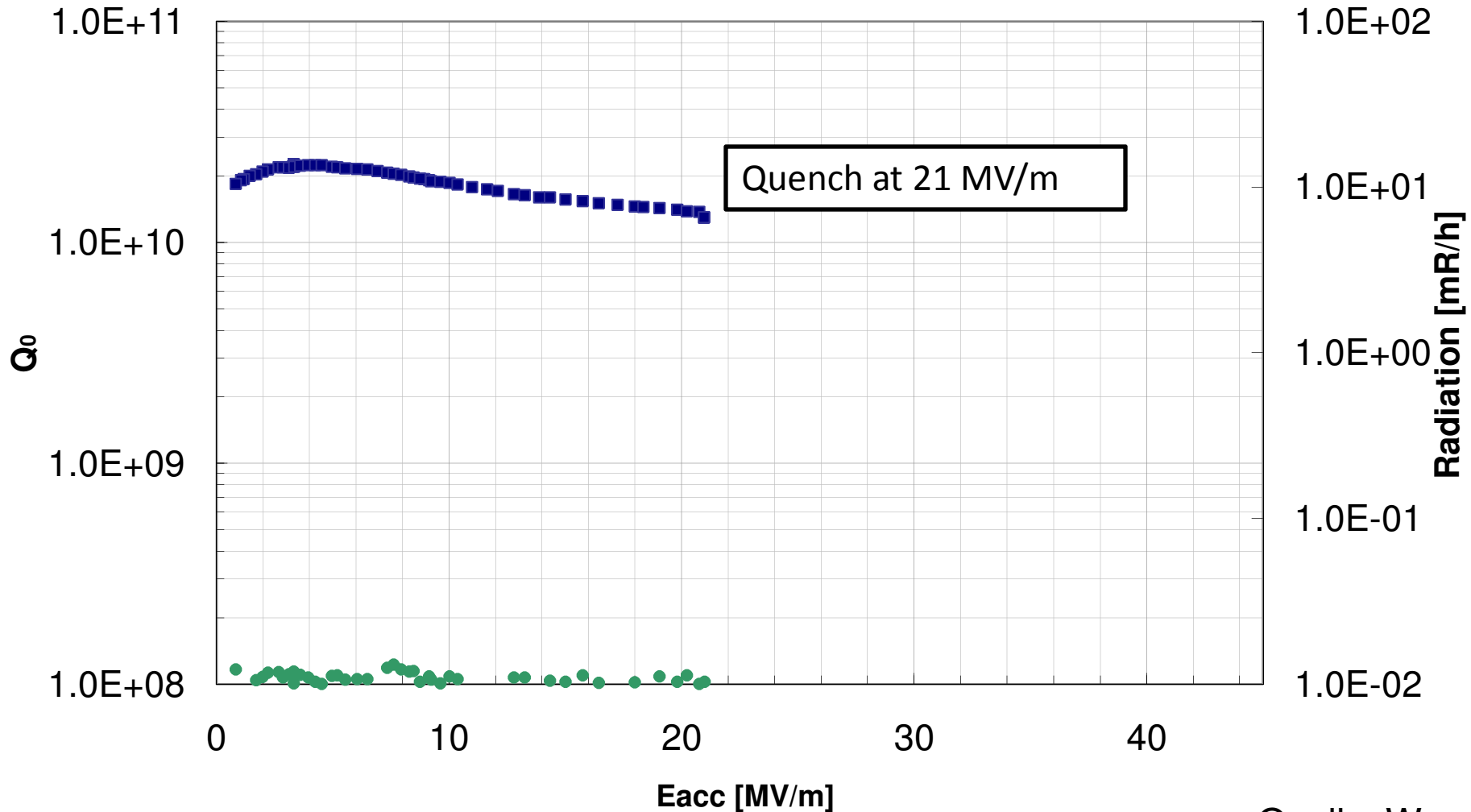
- TE1ACC003 (Laser), 120C Baking completed, in queue for RF test.
- TE1ACC005&006 (ECS), Replica in progress.
- TW1AES001&002 (traveling wave), in queue for BCP this week.
- TE1CAT001/NR-6, tumble polishing completed, in queue for EP.
- TE1CAT002 (India collab.), RF test done, quenched at 21 MV/m, quench area identified with two thermometer bands
- 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	MDTL	CMP, EP, ABLE		To be HF rinsed	
TE1ACC001	IB1	FE			
TE1ACC002	CABOT	CMP		RF test done, to be polished at CABOT	
TE1ACC003	IB1	laser remelting	120C baking	In queue for RF test.	
TE1ACC004	MDTL	Tumbling	Inspected/replicated	To ABLE EP	
TE1ACC005	IMDTL	Eddy current scanning	Molding	Optical inspection and one final EP (40micon)	
TE1ACC006	MDTL	Eddy current scanning	Molding	To be progressive EP	
NR-1	ANL	ANL RF commissioning	RF tested		
NR-4	IB1	ABLE EP	RF tested	One more RF test for Q-disease study	
NR-5	FNAL/ICB	E-beam remelting on Pit		inspected, to be processed	
NR-6	FNAL/ICB	Tumble	Tumble polishing	In queue for EP	
TE1PAV001	PAVAC				
TE1PAV002	PAVAC				
TE1PAV003	PAVAC				
TE1PAV004	PAVAC				
TE1PAV005	PAVAC				
TE1PAV006	PAVAC				
TE1CAT001	ICB	RRCAT collaboration	Tumble polishing	In queue for EP	
TE1CAT002	IB1	RRCAT collaboration	RF test	Visual inspection	
TW1AES001	ANL	Traveling wave prototype		Cavity inspection, Tooling design for BCP	
TW1AES002	ANL	Traveling wave prototype		Cavity Inspection	

TE1CAT002 - Q vs E

Test on 3/3/2010



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