

Single cell coordination

Single Cell Cavity Activity 6-month plan

1. ANL EP cavities (TE1AES005, TE1ACC001)
2. R&D cavities
 - Tumble, 2 cavities
 - Laser re-melting, 2 cavities
 - CMP process, 1-2 cavities
 - ECS investigation, 2 cavities
 - manufacturing optimization, 2 cavities
 - ALD cavities
 - Traveling wave cavity, 2 cavities
 - E-beam remelting (Cornell)
3. Vendor qualification
 - PAVAC single cells, 6 cavities
 - RRCAT single cells, 1 cavity
4. Infrastructure support
 - Furnace verification, 1 cavity.
 - Diode T-map and second sound development 1 cavity
 - ANL HPR water verification 1 cavity
 - ABLE EP 2 cavities
5. Basic R&D
 - cavity cutting for samples 2 cavities
 - 3.9GHz in separate list

Number	Current location	Main purpose	Current status	Notes
TE1AES004	FNAL/A0	Equator pit quenching, T-map	RF Test done, same as before	
TE1AES005	FNAL ICB	CMP, EP, ABLE	To be HF rinsed	
TE1ACC001	ANL	FE	RF test to done at A0, same performance	
TE1ACC002	CABOT	CMP	RF test done, to be polished at CABOT	
TE1ACC003	FNAL/IB3	laser remelting	Laser remelting completed, to be inspected and EP.	
TE1ACC004	FNAL/IB4	Cleaned at ANL	To be shipped to and baked at JLAB	
TE1ACC005	FNAL_ICB	Eddy current scanning	To be progressive EP	
TE1ACC006	FNAL_ICB	Eddy current scanning	To be progressive EP	
NR-1	FNAL/ICB	Furnace fitted with RGA	to be inspected and molding on Monday	
NR-4	ANL	ABLE EP	To be HPR/Baking	
NR-5	FNAL/IB3	E-beam remelting on Pit	inspected, to be processed	
NR-6	FNAL/IB3	Laser re-melting	equator weld pit	
TE1PAV001	PAVAC			
TE1PAV002	PAVAC			
TE1PAV003	PAVAC			
TE1PAV004	PAVAC			
TE1PAV005	PAVAC			
TE1PAV006	PAVAC			
TE1PAV007	PAVAC			
TE1RRC001	to be made at RRCAT			
TW1AES001	MDTL	Traveling wave prototype	Cavity inspection, Tooling design for BCP	
TW1AES002	IB4	Traveling wave prototype	Cavity Inspection	

Legend: Last week activity

Next activity