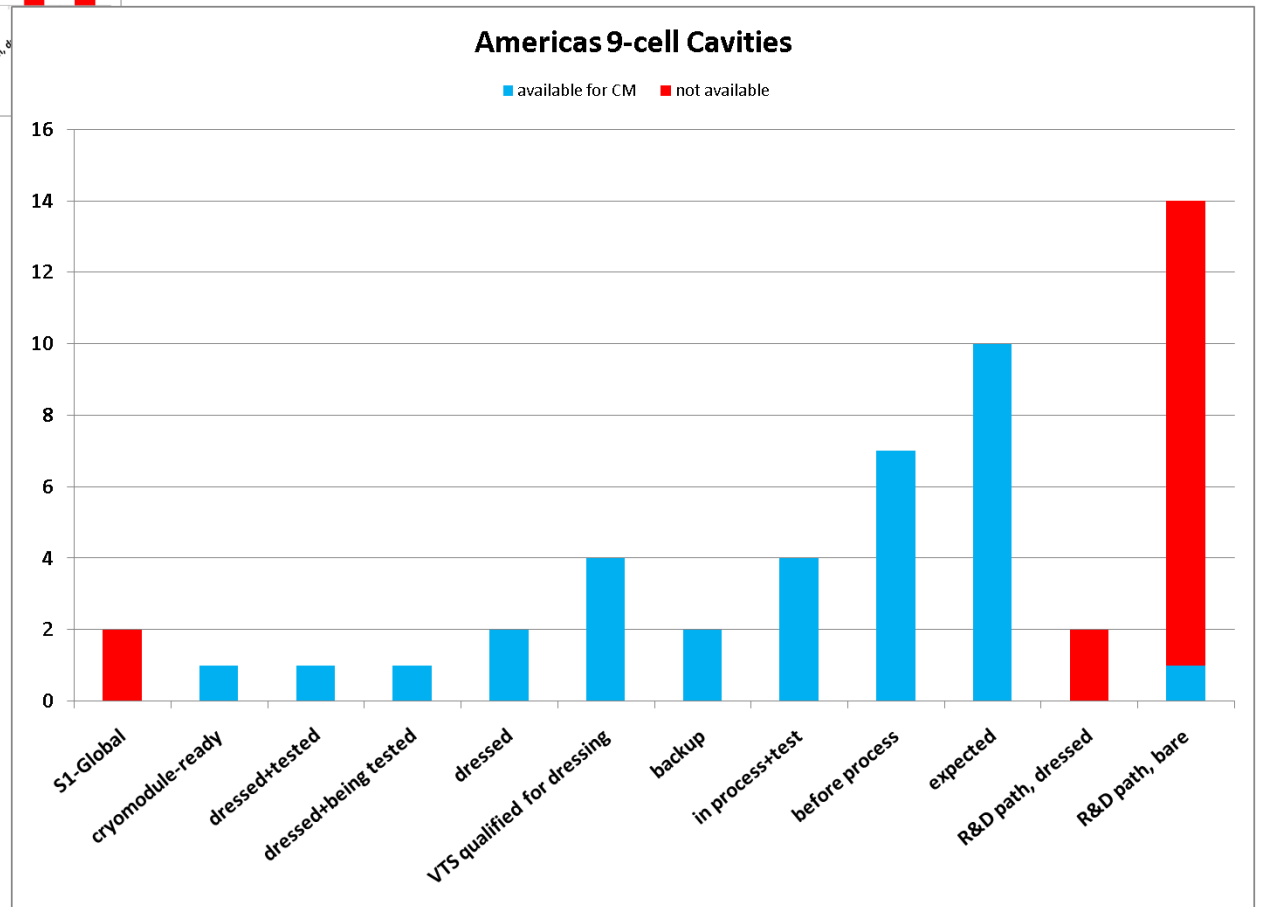
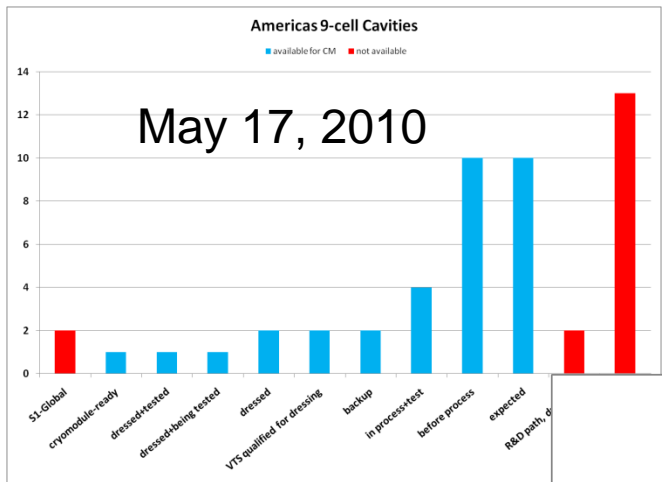


9-cell cavity coordination

CM Ginsburg

SRF Meeting

7 June 2010



7 June 2010

CM Ginsburg SRF Mtg

Americas S0 Cavities

sum=

47

	cryomodule- ready	dressed+tes ted	being tested	dressed+ being dressed	VTS qualified for dressing	backup	in process+tes before	process	expected	R&D path, dressed	R&D path, bare	
S1-Global AES004 TB9ACC011	TB9AES009	TB9ACC013	ACCEL8	TB9AES008 TB9AES010	TB9ACC016 TB9AES007	ACCEL6 ACCEL7	TB9RI024 TB9RI019	TB9RI023 TB9RI021	TB9AES011 TB9AES012	AES001 AES002	AES003 JLab-1	
					TB9RI029		TB9RI020	TB9RI027	TB9AES013		JLab-2	
					TB9RI018		TB9RI022	TB9RI025	TB9AES014		ACCEL9	
								TB9RI028	TB9AES015		TB9AES005	
								TB9NR001	TB9AES016		TB9ACC010	
								TB9NR002	TB9NR003		TB9ACC015	
									TB9NR004		TB9ACC014	
									TB9NR005		TB9ACC012	
									TB9NR006		TB9ACC017	
											LG1	
											LG2	
											TB9AES006	
											TB9RI026	
sum	2	1	1	1	2	4	2	4	7	10	2	14
not available	2	0	0	0	0	0	0	0	0	0	2	13
available for CM	0	1	1	1	2	4	2	4	7	10	0	1

changed
since 5/17

Current priorities for Americas region

highest priority

- Objective: Identify and prepare 8 cavities + backups for dressing for CM2 (and beyond)
 - Favor cavities which have gradient performance >31.5 MV/m in vertical test without substantial field emission
- Timescale
 - CM2: dressed cavities originally needed March 2010; schedule relaxed until CM1 cooldown
 - Reminder: after a bare cavity is qualified, need
 - A minimum of 2 weeks for dressing, and
 - 1 month if horizontally testing
- Prioritization: To get as many qualified cavities as quickly as possible,
 - Prioritize first in terms of fastest preparation, then
 - Take lowest risk cavities first
 - In case of poor performance, put cavity aside (aka R&D path) and start with the next one; address R&D cavities as time permits

8 cavities now vertically qualified at ~ 35 MV/m, $Q_0 > 8E9$, plus 3 lesser spares

- Other high priority: Quality FNAL/ANL processing facility for 9-cell cavities – facility not yet proven for CM cavity preparation

2 cavities recently ~ 35 MV/m after light EP at FNAL/ANL, one w/o meas FE

- Other high priority: S0 production yield data accumulation - compatible so far only with JLab effort

6 cavities added to stats from JLab since 8/2009

- Other high priority: R&D topics

Mostly molding, instrumentation development, and repair (AES)

- Other high priority: New vendor development

2 NR cavities to be processed/tested asap

6 AES cavities due by end June