2020-10-15 Detector Planning Meeting notes

Date

15 Oct 2020

Attendees

- McKelvey, Mark E
- Philip Hart
- Kazutaka Nakahara
- Zimmerman, Kayla
- Rebecca Armenta
- Conny Hansson

Goals

• Set and status planning activities for detector development and deployment.

Discussion items

Time	Item	Who	Notes				
20 min	Deploy ment 3-wk plan	Team	Shift coverage this week. Th 0900: LV37 (Song), @XCS, on-call?? ongoing: LV25 (Nagler) @MEC?? Others??				
10 min	Other beamti me- related		Wave8 testing/status? Pepix10k DAQ/IOC saga update? Small 10k testing? Baseline JF and 2M 'traveller' pages on Confluence. Collect and analyze any remaining in-lab test data.				
30 min	Prioriti es	All	Group priorities review: Testing Setup ePix10k, ePix100, JF smalls for test in lab UED testing Baseline tests on smalls pre-deployment. Parametric performance tests (10k first) Analysis Gather and process relevant commissioning data for Mp travellers on Confluence. Solid pedestals Noise map Response uniformity (mini-X cu-fluorescencce) Bootstrap gain (sealed source) Linearity (signal injection) Documentation Complete on-line travellers for Mp detectors				
			 Development RIXS-CCD, review draft Project Plan w/NEH 2.2 RIXS-CCD Concept Design (R to set meeting to talk cooling options) Anton project at UCB/SSL (milestone/schedule revision received) SXR Downselect prep Lab 'commissioning' DAQ Storage nodes LCLS I/II compatibility Table seismic BIO for racks in chase DP node purchase 				
			Actions:				

30 min	Status	CH: (Are we ready to fix dashed line issue in the hutches?)
		Charge injection scripts on 10k smalls for mask tests.
		RA: (Are we on trac for Lin tests, and when to schedule him?)
		 Loan stages to CXIensure return. Meet re cooling conceptsmet with Jim re outside space: not much.
		KP: JSA summary list circulated
		 XPP/MFX/XCS fibers due this week, other wise need ugly solution. Small Rayonix testing can be done by others. XPP/XCS power cable pinout (controls needs to tell us MPOD working)
		KN:
		 UED Quad now running on our DAQ (LCLS-II)no 2m when quad testing going on due to PDU channel limit. Replace PDU and cable in XPP to address 10A draw on Pix100 XCS IOC: Immediately trips when IOC is running, suspect software problem but not fully isolated.
		PH:
		Learning NERSC interface

					_	Values KCST		Remaining
		PA Proj_Act	PA Activity_Desc	▼ LST	M Desc 📲		ACTUALS	Balance
		10918-A4001	DET Dist Exp Support	M8	ιS	\$7	\$7	(\$0)
		16152-A4001	ePix Support	M8	ιS	\$105	\$107	(\$2)
		16158-A4001	Other Detector Support	M8	ιS	\$30	\$2	\$28
		16287-A4001	DET Department Management	M8	ιS	\$5	\$3	\$1
		16826-A4001	DET Department Research	M8	ιS	\$47	\$3	\$44
		16159-A4001	DET Dept Infrastruct & Dev	M8	ιS	\$112	\$101	\$11
		17341-A4001	Detector Program Management	M8	ιS		\$6	(\$6)
		17439-A4001	DET Department OIP Projects	M8	ιS	\$22		\$22
						328	229	\$99
		Labor snapsho			LSTM Desc	Values KCST	ACTUAL	Remaining
		PA Proj_Act	PA Activity_Desc	Y			ACTUAL	
		16152-A4001	•••		Shop Service		87 \$8	
		16152-A4001 16158-A4001	· · · · · · · · · · · · · · · · · · ·		SLAC Labor			(\$0)
			•		Shop Service			
		16158-A4001	•		SLAC Labor		10 \$8	
		16253-A4001	•••		Shop Service		\$3	\$3
		16253-A4001	•••		SLAC Labor			\$0 \$0
		18303-A4001			Shop Service		\$3	\$3
		16287-A4001			Shop Service			14 \$8
		16287-A4001	•	τ	SLAC Labor		09 \$21	
		16826-A4001	•		Shop Service		28	\$28
		16826-A4001	•		SLAC Labor		08 \$17	
		16159-A4001	· .		Shop Service		72 \$13	
		16159-A4001	•		SLAC Labor		.64 \$16	
		19775-A4001	-		SLAC Labor			\$7 \$16
		17341-A4001		nt	SLAC Labor		27 \$27	
		17800-A4001			SLAC Labor		-	\$1 (\$0)
		19453-A4001			Shop Service			\$6 (\$5)
		18836-A4001	-		Shop Service		20 co	\$20
		18836-A4001		nt.	SLAC Labor		\$9 \$2	\$9
		19733-A4001		II.	SLAC Labor SLAC Labor			\$8 (\$6) \$1 (\$0)
		19734-A4003 17439-A4001						\$1 (\$0) \$2 \$24
					Shop Servio		578 \$7	
		17439-A4001	DET Department OIP Projects		SLAC Labor	*	70 \$	5 \$3
						1	511 13	34 \$177
min Review ASC First Projects	all	Coordinate/update I	ab schedule.					

Action items

Action: Kazutaka Nakahara to circulate and/or post chiller manual to confluence.