2021-06-08 Detector Planning Meeting notes

Attendees

- McKelvey, Mark EPhilip Hart
- Kazutaka Nakahara
- Conny Hansson
- Bhavna NayakChris Koerber

Goals

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

Discussion items

Time	Item	Who	Notes					
0 min	Beamtime support update		■ ePix10k timing test opportunity?					
30 min	Priorities Review	All	Projects new starts:					
			Group priorities review: Testing Run 'standard' cal on two 10k smalls with new firmware, log tracker. CompEnOn study during CXI checkout time? 111, 1a vs 19? Any ePix100 detectors in ASC? Can we figure out what's wrong with ePix100/7? RIXS-CCD cooler test planning. Analysis Gather and process relevant commissioning data for Mp travellers on Confluence. Solid pedestals Noise map Response uniformity (mini-X cu-fluorescence) Bootstrap gain (sealed source) Linearity (signal injection) Documentation Complete on-line travellers for Mp detectors Development Lab 'commissioning' DAQ Storage nodes configured, put in use? LCLS I/II compatibility? Chase racks anchoredcables, water status? Vac chamber for in-lab tests? Compatible with XPP alcove?					
			Actions:					

30 min	Status	Self-assessment period should be opensequence accelerated this yeargo ahead						
		Cal team meet ton Friday??						
		LDAC Panel assembled						
		Coming up on self-assessment periodaiming for early salary adjustment period						
		KN:						
		 Rayonix needs repair at Rayonix, do in August XPP needs 4 ePix100 by July 1 plus 0.5m JF LCLS-II DAQ not fully operational in ASCneeds resolution @MFX for wave8 this week.FIM beamtime this weekend Spare JF Power supply received, need cold plate. UED MPOD? 						
		PH:						
		 Started processing CI on CompEn expnothing jumps out. MEC experiment on Thursday, detectors should be OK 						
		CH:						
		 Small 10k still has fw problem Measuring leakage via ACQ timing window Will use portable vac chamber for Hi-Z 						
		RA:						
		 Prepare for mid-july RIXS-CCD Lost Derek, may need May Ling to help training on laser vibrometer Need mtg for acceptance test planning (Friday) 						
		BN:						
		Min/max stitching. Run cal on new ePix firmware. Grafana setup to alert Slack channel. Made updates to detector website, in work. Working with PH on porting PyRoot to Python. CK:						
		Lesker chamber quote in work. Order/borrow Variac.						

5 min	Budget Update	mmck	M&S Stat	M&S Status (Through March)								
								Values KCST		R	emaining	
			PA Proj Act	-	PA Activity Desc	-	LSTM Desc 🏋		ACTU		Balance	
			10918-A4001	_	DET Dist Exp Support		M&S	\$0		\$0	(\$0)	
			16152-A4001		ePix Support		M&S	\$63		\$18	\$45	
			16158-A4001		Other Detector Support		M&S	\$13		\$0	\$12	
			16253-A4001		C-S PAD Support		M&S	\$6			\$6	
			18303-A4001		Jungfrau Support		M&S	\$11			\$11	
			16287-A4001		DET Department Management		M&S	\$11		\$6	\$6	
			16826-A4001		DET Department Research		M&S	\$57		\$25	\$32	
			16159-A4001		DET Dept Infrastruct & Dev		M&S	\$137		\$81	\$56	
			17341-A4001		Detector Program Management		M&S	\$0	_	\$0	\$0	
			17439-A4001		DET Department OIP Projects		M&S	\$40		\$40	\$0	
								\$339k	\$170k	\$10	59k	
			• 1 - 1		1 (December a steele)							
			• Labor sna	apsno	t (December actuals):			Val	ues			
								KCS	ST .		Remainin	
			PA Proj	_Act	▼ PA Activity_Desc		▼ LSTM D	esc 🔻 BA	1.0	ACTUAL	S Balance	
			10918-A	4001	DET Dist Exp Support		Shop Sei	vices	\$134		\$13	
			10918-A	4001	DET Dist Exp Support		SLAC La	oor	\$19	\$3	\$1	
			16152-A	4001	ePix Support		Shop Sei	vices	\$77		\$7	
			16152-A	4001	ePix Support		SLAC La	oor		\$3	3 (\$	
			16158-A	4001	Other Detector Support		Shop Sei	vices		\$12	(\$1	
			16158-A	4001	Other Detector Support		SLAC La	oor	\$115	\$32	\$8	
			18303-A	4001	Jungfrau Support		Shop Sei	vices	\$6		\$	
			16287-A	4001	DET Department Manageme	nt	Shop Sei	vices	\$25		\$2	
			16287-A	4001	DET Department Manageme	nt	SLAC La	oor	\$136	\$80	\$5	
			16826-A	4001	DET Department Research		Shop Sei	vices	\$9		\$	
			16826-A	4001	DET Department Research		SLAC La	oor	\$197	\$55	\$14	
			16159-A	4001	DET Dept Infrastruct & Dev		Shop Sei	vices	\$63	\$55	5 \$	
			16159-A	4001	DET Dept Infrastruct & Dev		SLAC La	oor	\$264	\$92	\$17	
			19775-A	4001	Commissioning - DET		Shop Ser	vices				
			17341-4	4001	Detector Program Managem	ent			\$330	\$54	-	
			17778-A		•		Shop Sei			\$8		
			19733-4		, ,					\$5		
			17439-4		•		Shop Sei		\$48		\$4	
			17439-4	4001	DET Department OIP Project	S	SLAC La	oor	\$57	\$22	2 \$3	
									1479	42	3 \$1,05	
I5 min	Review ASC First	all	Coordinate/upo	late la	ab schedule.							
	Projects											
0 min	Any other business											

Action items: