2021-02-16 Detector Planning Meeting notes

Attendees

- McKelvey, Mark EPhilip Hart
- Kazutaka Nakahara
- Zimmerman, Kayla
- Rebecca Armenta
- Conny Hansson
- Bhavna Nayak

Goals

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

Discussion items

Time	Item	Who	Notes
10 min	Beamtime support update		Covered in Monday's meeting, Chris to take over from Kayla Detector readiness: 2m.1 back at MFX Quads back at MEC New HV module receivedreturn ASC unit to XCS? Return ePix100#7 for repair? Receive/test ePix100 spares and side-look 1mm ePix10k Baseline JF and 2M 'traveller' pages on Confluence. Collect and analyze any remaining in-lab test data.

			1
30 min	Priorities Review	All	* 2021 events: OProjects new starts:
			Actions:

30 min	Status	CH:
		 Ran Quad 1 at different biases. Working analysis. Pedestal scripts not working since last last update. Need Silke's help. Permissions issue? Need function to pull spectrum (histogram) for each pixel. MPOD messes up above 200V, goes higher than programmed.
		RA:
		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:
		Spare JF Power supply received. Seb looking for low-intensity diode.
		 UED MPOD? Rayonix pressure issue manifold replaced, refilled, monitoring.
		PH:
		 MEC ran quads this weekend, fixed med was saturating. MFX 10k calibration with hockey stick has been refined slightly2% of pixels have noisy first switch, need more uptime
		to test. Circular connectors tough to releasespecial tool? UXI loC update, need help from Dan to run in the lab.
		BN:
		 Made updates to detector website, in work. working with PH on porting PyRoot to Python.
		KN
		 UED guys are set with new cables ePix UED temp 63C Sunday MFX finishes, 2M comes off, box delivered to MFX today.
		 XPP having trouble with pgp server hat runs 2M. CXI fiber 450uW becomes 50-60uW, defect in port feedthrough sometime limits to 2uW(?), replacement flanges on order (8-9 weeks).
		СН
		 2m.0 last Friday looked good, charge-punch has recovered. Measurements on sm 10k, pedestal application inconsistent in online ami, raw data is fine. Still see dashed lines in pedestal config.
		KP
		 RMA for MPODs Lab cleaning tonight.

5 min	Budget Update	mmck	M&S Status (Through December)										
			Values KCST							Rei	maining		
			PA P	roj_Act -	PA A	ctivity_Desc	→ LST	м	Desc 🖫 BA 1.		ACTUALS		alance
			1	.8-A4001		Dist Exp Support	M8	λS			\$	0	(\$0)
			1615	2-A4001	ePix S	Support	M8	λS		\$61			\$61
			1615	8-A4001	Othe	r Detector Support	M8	δS		\$12	\$	0	\$12
			1625	3-A4001	C-S P	AD Support	M8	δS		\$6			\$6
			18303-A4001 16287-A4001		Jungfrau Support DET Department Management		M&S M&S			\$12 \$4		\$4	\$12
													\$0
				6-A4001		Department Research	M8			\$58	\$		\$49
			16159-A4001		DET Dept Infrastruct & Dev		M&S			\$134		4	\$121
			1743	9-A4001	DET	Department OIP Projects	M8	&S	\$2		2 \$40		(\$18)
										\$310		67	\$243
			-							3310		57	Ş 245
			•	Labor snapsho	ot (Dec	ember actuals):							
										Value	S		
				DA D A.A		DA A-Milder David			CTM D	KCST			Remaining
				PA Proj_Act 10918-A400		PA Activity_Desc			LSTM Desc 🗷		134	TUALS	Balance \$134
				10918-A400		DET Dist Exp Support DET Dist Exp Support			Shop Services SLAC Labor		519	\$3	\$134
			-	16152-A400		ePix Support		-	Shop Services		577	Ų	\$77
				16152-A400		ePix Support			SLAC Labor	,	,,,	\$3	(\$3
			-	16158-A400		Other Detector Support		-	Shop Services			\$12	(\$12
			-	16158-A400		Other Detector Support			SLAC Labor	Ś	115	\$32	\$83
				18303-A400		Jungfrau Support		-	Shop Services		\$6		\$6
			-	16287-A400		DET Department Manageme	nt		Shop Services		\$25		\$25
				16287-A400	1	DET Department Manageme	nt		SLAC Labor	\$:	136	\$80	\$56
				16826-A400	1	DET Department Research			Shop Services		\$9		\$9
				16826-A400	1	DET Department Research			SLAC Labor	\$:	197	\$55	\$142
				16159-A400	1	DET Dept Infrastruct & Dev			Shop Services		\$63	\$55	\$7
				16159-A400	1	DET Dept Infrastruct & Dev			SLAC Labor	\$	264	\$92	\$172
				19775-A400	1	Commissioning - DET			Shop Services				
				17341-A400	1	Detector Program Managem	ent		SLAC Labor	\$	330	\$54	\$276
				17778-A400	1	Very Fast CCD			Shop Services			\$8	(\$8
				19733-A400	1	L2S-I-DET-Project Manageme	ent	- !	SLAC Labor			\$5	(\$5
				17439-A400		DET Department OIP Projects			Shop Services		548		\$48
				17439-A400	1	DET Department OIP Projects	3		SLAC Labor	;	\$57	\$22	\$35
			-							1	470	422	£1.0FC
			-							1	479	423	\$1,056
15 min	Review ASC First Projects	all	Coord	linate/update la	lab sch	edule.							
10 min	Any other business												

Action items: