2021-03-30 Detector Planning Meeting notes

Attendees

- McKelvey, Mark EPhilip Hart
- Kazutaka Nakahara
- Rebecca Armenta
- Conny HanssonBhavna NayakChris Koerber

Goals

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

Discussion items

Time	Item	Who	Notes
10 min	Beamtime support update		 Detector readiness: Update DAQ/fw for 10k smalls 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:
			Group priorities review: Testing Setup ePix10k, ePix100, JF smalls for test in lab, Bhavna/Chris hands-on trng. Days this week? Review with TID the stitching progress, look for improvements. First cal team last week, follow up this week. 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 received installed, configured this week? LCLS I/II compatibility? BIO for racks in chase (Chris to take over hounding) Vac chamber for in-lab tests? Compatible with XPP alcove?
			Actions:

30 min	Status	IFDEPS Virtual Thursdays
		LDAC Panel assembled (waiting on Kuster)
		CH: • ePix10k #1 has been tested, looks ok • pyROOT for per-pixel spectra • Synchrotron. RA:
		 Meeting w/PD tmrw, camera. Need bake-out variac for lab.
		KN:
		 Rayonix still cranky trigger, may be DAQ-related Spare JF Power supply received, need cold plate. UED MPOD? Rayonix has two bad tiles, too close to experiment to fix.
		PH:
		 MFX 10k calibration with hockey stick has been refined slightly2% of pixels have noisy first switch, need more uptime to test. UXI IoC 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.
		Ск:
		 Ge chamber assembly Order variac New pin-out probes 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).

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			16152-A4001)1	ePix Support		_	Shop Service	S	\$77		\$77	
			16152-A4001		ePix Support			SLAC Labor			\$3		
			16158-A4001		Other Detector Support		_	Shop Service	S		\$12		
			16158-A4001		Other Detector Support		-	SLAC Labor		\$115 \$6	\$32		
			18303-A4001		DET Department Manageme				Services			\$6	
			16287-A4001					Shop Services		\$25		\$25	
			16287-A4001				_	SLAC Labor		\$136	\$80		
			16826-A4001		DET Department Research		_	Shop Service	S	\$9		\$9	
			16826-A4001		DET Department Research		-	SLAC Labor		\$197	\$55		
			16159-A4001		DET Dept Infrastruct & Dev		_	Shop Service	S	\$63	\$55	-	
			16159-A4001		DET Dept Infrastruct & Dev		_	SLAC Labor		\$264	\$92	\$172	
			19775-A4001		Commissioning - DET		_	Shop Service	S	daac	A	4	
			17341-A4001		Detector Program Manageme	ent	_	SLAC Labor		\$330	\$54	-	
			17778-A4001		Very Fast CCD		_	Shop Service	S		\$8		
			19733-A4001		L2S-I-DET-Project Manageme		_	SLAC Labor		Ċ40	\$5		
			17439-A4001		DET Department OIP Projects		_	Shop Service	S	\$48	ćaa	\$48	
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Action items: