# 2021-03-02 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		<ul> <li>Kayla has handed off Mondays, now officially off detector duty, available for questions as they arise.</li> <li>Detector readiness:         <ul> <li>2m.1 detector cal discussion with Alex 3:30pm today, call with Fromme tmrw 8am MFX.</li> <li>MEC seems happy with quads(?)</li> <li>Return ePix100#7 for repair?</li> <li>Receive/test ePix100 spares and side-look 1mm ePix10k</li> <li>Baseline JF and 2M 'traveller' pages on Confluence.</li> <li>Collect and analyze any remaining in-lab test data.</li> </ul> </li> </ul>

30 min	Priorities Review	All	* 2021 events:         Projects new starts:         Projects new starts:             * Projects new starts:             * Projects new starts:
			<ul> <li>DAQ</li> <li>Storage nodes (ordered)</li> <li>LCLS I/II compatibility</li> </ul>

30 min	Status	Vaccine available
		Controls/PMPS seminar at 11am
		Anton has MCPs, expects first tests with Timepix this week.
		Issues with UED pedestals/corrections
		RIXS hardware shipped to STA, packaged
		Detector storage in NEH/setup lab??
		Cal status summary pls,
		CH:
		R0 measnurements run Slides for Hi-Z consortium Synchrotron.
		RA:
		<ul> <li>Practice install JF modules on test mount.</li> <li>Notes on Slack page.</li> <li>Need working power supply before testing.</li> </ul>
		KN:
		<ul> <li>Spare JF Power supply received, need cold plate.</li> <li>UED MPOD?</li> <li>Rayonix has two bad tiles, too close to experiment to fix.</li> </ul>
		PH:
		<ul> <li>MFX 10k calibration with hockey stick has been refined slightly2% of pixels have noisy first switch, need more uptime to test.</li> <li>UXI IoC update, need help from Dan to run in the lab.</li> </ul>
		BN:
		<ul> <li>Made updates to detector website, in work.</li> <li>working with PH on porting PyRoot to Python.</li> </ul>
		KN
		<ul> <li>UED guys are set with new cables</li> <li>ePix UED temp 63C</li> <li>Sunday MFX finishes, 2M comes off, box delivered to MFX today.</li> <li>XPP having trouble with pgp server hat runs 2M.</li> <li>CXI fiber 450uW becomes 50-60uW, defect in port feedthrough sometime limits to 2uW(?), replacement flanges on order (8-9 weeks).</li> </ul>

5 min	Budget Update	mmck	M&S Status (Through December)										
									Value 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
			_	3-A4001	Jungf	rau Support	M8			\$12			\$12
				16287-A4001		DET Department Management		M&S		\$4 \$4			\$0
				6-A4001		Department Research		M&S		\$58		9	\$49
			16159-A4001		DET Dept Infrastruct & Dev		M8			\$134		4	\$121
			1743	9-A4001	DET	Department OIP Projects	M8	&S	\$22		\$4	0	(\$18)
										\$310		57	\$243
			-							3310		57	<b>Ş</b> 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: