2021-07-27 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	ltem	Who	Notes
10 min	Beamtime support update		ePix10k timing test opportunity?

30 min	Priorities Review	AII	 2021 events: Projects new starts: effxM project plan submitted, now uploading to P6 SparkFix-S Phase II (full-size ASIC for sparsification engine), on-track effxUHR 1: Prototype detector project underway, deliver sm camera in time for LDAC results. TXI Detectors (2Mp and 140p based on PikHR @SchTy delian mech design review on Friday. effxUHR (130nn TSV structure to reach 100kHz), CDR timew for 100kHz prototype based on simplified SparkFix-ED. Production: spare modules (0.5 & 1mm) Module order in work, new sensor order out. No-ghost modules delayed to October. Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) Approved 3d copy of ePix10k2m: underway, August delivery Proposed In-air 2m/Imm project plan submitted to OIP. Proposed UED detector upgrade, planning in work. Proposed UED detector upgrade, planning in work. Proposed BPix10kM (concept) RKS-CCD/cooler test and verification: Delivery delayed until mid-Julyreadiness?? Issue with 2nd cooler. HiZ collaboration tests: Ge and CZT modules wirebonded, CZT no stick, SSRL & LCLS beam times secured, Ge chamber in work. Outreach for R&D support (SparkPix-ED, SparkPix Delta). Support effort for LCLS-II-HE instruments (performance verification/implementation planning) SBIR effort for UXI. Group priorities review: Testing Run 'standard' cal on two 10k smalls with new firmware, log tracker. CompEron study during CKI checkout time? 111, 1a vs 19? Any effx100 detectors in ASC? Can we figure out what's wrong with ePix100/7? RKS-CCD cooler test planning. Naly size Gatter and process relevant commissioning data for Mp travellers on Confluence. Bootstrag pain (sealed source) Loarty (signal injection) Documentation Ok
			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.									

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15 min	Review ASC First Projects	all	Coor	dinate/upd	ate	lab s	schedule.							
10 min	-													
	Any other business	1	1											

Action items: