2021-07-20 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
10 min	Beamtime support update		■ ePix10k timing test opportunity?

30 min	Priorities Review	All	• 2021 events: • Projects new starts: • ePixM project plan submitted, n w uploading to P6 • SparkPix-S Phase II (full-size ASIC for sparsification engine), on-track • ePixHR Y: Prototype detector project underway, deliver sm camera in time for LDAC results. • TXI Detectors (2Mp and 140kp based on ePixHR @SkHz) delta mech design review on Friday. • EPixUHR (130nm TSV structure to reach 100kHz), CDR tmrw for 100kHz prototype based on simplified SparkPix-ED. • Production: • spare modules (0.5 & 1mm) Module order in work, new sensor order out. No-ghost modules delayed to Cctober. • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Approved 3d copy of ePix10k2m: underway, November delivery (may slip due to module delay) • Proposed delap in a project plan submitted to 0D! • Proposed ePix10k4m: concept) • RXS-CCD(Cooler test and verification: Delivery delayed until mid-Julyreadiness?? Issue with 2nd cooler. • Solid pedestation: Delivery delayed until mid-Julyreadiness?? Issue with 2nd cooler. • Run 'standard' cal on two 10k smalls with new firmware, log tracker. • CompEnon study during CXI checkout time? 111, 1a vs 19? • Any ePix10d detectors in ASC? Can we figure out what's wrong with ePix100/7? • RIXS-CCD cooler test p
			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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Action items: