2021-05-18 Detector Planning Meeting notes

Attendees

- McKelvey, Mark EPhilip Hart
- Kazutaka Nakahara
- Conny Hansson
- Bhavna Nayak
 Chris Koerber

Goals

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

Discussion items

Time	ltem	Who	Notes						
10 min	Beamtime support update		 Good progress during Fromme, more work to go. XCS/MFX constants status (PH train Bhavna on processing CI data?) Ghost-less 10kSmall in CXIworking? Run 18 lessons learned reminderhold until next week when Conny returns. What worked well? What worked well? What we can do better? What is the recurring issues needing attention? What is most needed to make your job easier? What do you wish people would know that would make your work smoother? What do you wish you knew that would make your work smoother? 						

 2021 events: Projects new starts: VFCCD/eFIXM downselect ePixM selected, science leadership considering smaller ePixM plus XPCS version. SparkPix-S Phase II (full-size ASIC for sparsification, Tixel-based, underway, likely needs LGAD to m PW spec) ePixHR IV: Prototype detector project underway TXI Detectors (2Mp and 140kp based on ePixHR @SKH2) CDR Closed out, project underway. PixURR IV: Prototype detector project underway TXI Detectors (2Mp and 140kp based on ePixHR @SKH2) CDR Closed out, project underway. ePixURR IV: Prototype detector project underway, november delivery spare modules (0.5 & 1mm) Module order in work, new sensor order out Approved 3d copy of ePix10k2m: underway, November delivery Approved 3d copy of ePix10k2m: underway, August delivery Proposed UED detector upgrade, planning in work. Outreach for R&D support (SparkPix-ED, SparkPix Delits). Outreach for R&D support (SparkPix-ED, SparkPix Delits). Support effort for LCL-SH-HE instruments (performance verification/implementation planning) SBIR effort for UXI. Fersting CompEn bit function on 10kupdate? Review with TID the stitching progress, look for improvements. Latest on switching noise? Can we figure out what's wrong with ePix100/7? RIXS-CCD coler test planning. Analysis Gather and process r	
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• Documentation	
Complete on-line travellers for Mp detectors	
Development	
○ Lab 'commissioning'	
■ DAQ	
 Storage nodes configured, put in use? LCLS I/II compatibility? 	
 Class in compatibility? Chase racks anchoredcables, water status? 	
Vac chamber for in-lab tests? Compatible with XPP alcove?	
Antone	
Actions:	

30 min	Status	LDAC Panel assembled (waiting on Kuster)
		 KN: Jungfrau installed at XPP, geometry file missing Dan has fixed MFX DAQ, pedestals not applying properlytake peds scripts may need revision. Maciej has provided timing info for new 10ka firmware, needs more test. 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
		 BN: 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:
		 Run 19 deployment schedule through July. Lesker chamber quote in work. Materials for chase cable trays.Ge chamber assembly Order/borrow Variac. XPP having trouble with pgp server that runs 2M.

				M&S Status (Through March)											
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15 min	Review ASC First	all	Coord	linate/upda	ate la	ab schedule.									
	Projects														
10 min	Any other business														

Action items: