**Minutes – 100918**

**Present: HH, SW, MdO,TJ,SB**

**Apologies: PS**

**Strip modules**

Have tested module with powerboard – it works. 400V ok. On Friday glued power board to 2nd module. Liam will wire bond. Read for Craig Sawyer on Wednesday (11am – 3pm)

With help from Liam, 6 more hybrids built. Out of asics. Mostly wirebonded. No prob with ABC, some prob with HCC ( a bit flexing. Need to bond in step mode. Should not be a problem for star modules), major problem with power board (unsupported. In future not at end of hybrid. Should be better). With new tooling. Asic gluing jig modified. New drawings.

Only George (workshop)available to work on strips. He is back next week.

New hybrid design this week. Off to Stevenage this week. Place order this week/next week.

Sandra emailed last week. She wants meeting with AG with hybrids. Q: what role US will play in hybrids. We don’t want them to play a role. Is QC done here or or US?

**HH- to check statement in production grant**

**HH- to check MoU**

**AG- to email RN**

**HH – to forward MoU**

Multi plex board sent out last week

Hybrid panel sent this week.

Test frame sent for review

**Strip Mechanics**

Stave is unchanged from Friday. DS out at Swagelock.

Need to cut Honeycomb this week. To be done out side of workshop by hand? Peter Cooke?

Precision on grinding – 20 microns for glue to work

**Pixel modules**

Yy has installed yarr software is working. Yy student has arrived, but busy moving house.

MdO to check if LB is in ATLAS db.

Data transmission errors, add bias wires on chip. Needs a connector.

Yarr to be used for sensor qualification. We need to advertise we want to be involved in sensor qualification. Would need a cold chuck? Micron visit on Wednesday.

Still Q of who is doing sensor qualification in UK? Lancaster down in grant, but Glasgow and Oxford are setup up. We want to do it for production.

UBM to be qualified for sheer test.

IT: booked £200 for micron.

IT is ready for assembly. Make 1st module on Thursday. 1 mechanical, 1 electrical

Check Liam’s availability on Friday.

Check his college day.

Problem with bent flex: copper crack. Power tab.

JT/IT to inform LB.

The switchboard for the ring test box. Akhil should need a week.

Still awaiting bits from Gill.

Check with PD on interlock status.

Need box scam for module production.

**Pixel Mechanics**

Reviewing documents. Sergey’s too advanced. Too much like design spec. TJ has taken document for local support.

PS priority this week for local support.

**Stalled whilst PS away.**

TJ and SB to write spec doc.

TJ has emailed Danilo G. TJ to email outer barrel and inner pixel people, and cc Danilo.

Wednesday: milestones for pixel structures.

*Have quotes for CF – much more expensive that we originally though. We are now asking for cyanate ester*

*Do we really need the expensive one? We have experience through the face sheets.*

* *As PC to follow up.*

**AOB**

We promised old quad to Manchester.

Need to send transport box by end sep. give it to IW/CS.

Hamish leaving end sep. need a write up of mass build up as we went through. May need to document errors. Should be completed end of next week.

**HH-> get pizza night date. 1st date from 8th Oct.**

**HH to double check Monday.**

**HH to sort doodle poll.**

AG to investigate topics for ITk week.

Photo at 1pm.

Location 337