In person pixel construction meeting in Oxford

Report of Contributions

Contribution ID: **1**　　　　　　　　　　　　　　　　　　Type: **not specified**

MuPix status presentation/materials

Monday 15 November 2021 11:00 (30 minutes)

- Briefly reminder of availability Mupix10s for prototyping

- Schedule for Mupix11

- Evaluation schedule MuPix11

- ASIC testing/selection status update

Presenters: SCHOENING, Andre (University Heidelberg, Institute of Physics); VIGANI, Luigi (University of Heidelberg)

Session Classification: Mupix and on-detector circuits

Contribution ID: **2**   Type: **not specified**

On-detector electronic circuits

Monday 15 November 2021 11:30 (30 minutes)

Presentation or brief guide to discussion for inner and outer layers
- Schedule HDI, interposer and endpiece flexes MuPix10 and MuPix11
- Plans/needs for QA on flex circuits

Presenters: VIGANI, Luigi (University of Heidelberg); JONES, Mark (Oxford University); PLACKETT, Richard (University of Oxford)

Session Classification: Mupix and on-detector circuits

Contribution ID: **3**   Type: **not specified**

Presentation on inner layers

Monday 15 November 2021 13:30 (30 minutes)

- status inner layer assembly
- Lessons handling
- SPTab bonding experience
- Remaining programme with MuPix10 and programme with MuPix11
- Schedule final production

Presenter: RUDZKI, Thomas Theodor (Physikalisches Institut Heidelberg)

Session Classification: Assembly

Contribution ID: **4**   Type: **not specified**

Presentation on outer layer ladders

Monday 15 November 2021 14:00 (30 minutes)

- Status assembly outer ladders
- Schedules for Silicon heater ladders (L4), MuPix10 ladders (L4), MuPix11 ladders (L3 & L4)

Presenters: LORETI, Andrea (Oxford University); PLACKETT, Richard (University of Oxford)

Session Classification: Assembly

Contribution ID: **5**   Type: **not specified**

Presentation on outer layer modules

Monday 15 November 2021 14:30 (30 minutes)

Presentation on outer layer modules: Joost/Carlos
- Assembly tooling status L3/L4
- Schedule for assembly

Presenters: CHAVEZ BARAJAS, Carlos (University of Liverpool);   VOSSEBELD, Joost (University of Liverpool)

Session Classification: Assembly

Contribution ID: 6   Type: **not specified**

Presentation/materials/demonstration by Nick and/or Luigi

Tuesday 16 November 2021 09:00 (45 minutes)

- A brief overview of the readout/LV/HV hardware, firmware and software that would be needed for the production sites to carry out the electrical QA on pixel ladders or modules. If it would be possible to bring some components

- What infrastructure production sites need to ensure they have in place. (PCs, power supplies, ⋯)

- A discussion of the availability of the various required boards

- QA/electrical testing so-far how long are different tests likely to take

Presenters: VIGANI, Luigi (University of Heidelberg); BERGER, Niklaus (Mainz University, Insititute for Nuclear Physics)

Session Classification: QA

Contribution ID: **7**   Type: **not specified**

Status update on QA test stand for ladders for ladders in the UK.

Tuesday 16 November 2021 10:05 (20 minutes)

Presenters: LORETI, Andrea (Oxford University); LOUTIT, Magnus (Bristol)

Session Classification: QA

Contribution ID: **8**   Type: **not specified**

QA discussion

Tuesday 16 November 2021 10:25 (30 minutes)

- QA tests on ladders and modules needed during production
- Are all components (incl firmware and software) in place/available for QA)

Presenter: VOSSEBELD, Joost (University of Liverpool)

Session Classification: QA

Contribution ID: **9**   Type: **not specified**

Storage/transport inner layers

Tuesday 16 November 2021 11:05 (15 minutes)

Presenter: RUDZKI, Thomas Theodor (Physikalisches Institut Heidelberg)

Session Classification: Storage and Shipping

Contribution ID: **10** Type: **not specified**

Storage/transport outer layer ladders

Tuesday 16 November 2021 11:20 (15 minutes)

Presenter: PLACKETT, Richard (University of Oxford)

Session Classification: Storage and Shipping

Contribution ID: **11**　　　　　　　　　　　　　　　　Type: **not specified**

Storage/transport outer layer modules

Tuesday 16 November 2021 11:35 (15 minutes)

Presenters:　CHAVEZ BARAJAS, Carlos (University of Liverpool);　VOSSEBELD, Joost (University of Liverpool)

Session Classification:　Storage and Shipping

Contribution ID: **12** Type: **not specified**

VAT etc

Tuesday 16 November 2021 11:50 (10 minutes)

Presenter: VOSSEBELD, Joost (University of Liverpool)

Session Classification: Storage and Shipping

Contribution ID: **13**   Type: **not specified**

Discussion thermal test stand

Tuesday 16 November 2021 13:00 (20 minutes)

Session Classification: Any further discussion or overrun

Contribution ID: 14　　　　　　　　　　　　　　　　　　Type: **not specified**

Discussion on pre-production and production schedule

Monday 15 November 2021 16:00 (1 hour)

Attempt to populate a more detailed overall production schedule.
Joost to prepare skeleton schedule and collect inputs, to start this discussion

Presenter:　VOSSEBELD, Joost (University of Liverpool)

Session Classification:　Production Schedule

Contribution ID: **15**   Type: **not specified**

Presentation or short report on QA plans/needs for inner layers

Tuesday 16 November 2021 09:45 (20 minutes)

Presenters: VIGANI, Luigi (University of Heidelberg); RUDZKI, Thomas Theodor (Physikalisches Institut Heidelberg)

Session Classification: QA

Contribution ID: **16**   Type: **not specified**

Discussion work structure for production

Tuesday 16 November 2021 13:20 (15 minutes)

-Do we need new different regular meetings
- Are there uncovered areas we need to allocate?

Presenter: VOSSEBELD, Joost (University of Liverpool)

Session Classification: Any further discussion or overrun

Contribution ID: 17 Type: **not specified**

component flow shipping and transport

Tuesday 16 November 2021 11:00 (5 minutes)

Presenter: VOSSEBELD, Joost (University of Liverpool)

Session Classification: Storage and Shipping