

Nikhef Module Production Meeting 22-02-2021

- Krista summarises the status and open issues (see slides)
- Further work on the transport boxes is postponed: Lara is working on things with a higher priority
- Lara has updated the hybrid transfer jigs: please don't touch the nuts anymore
- When updating the Nikhef stock in the database, Aleksandra should check if we have GBTx hybrid numbered 051 or 091. Jan has the other one and is unsure about the ID.
- We should rediscuss the Araldite 2011 issue next week again.
- 1 shocklog should be enough for the transport to Liverpool. Kazu to inform Liverpool that some modules may be 'dirty' and could pollute the Liverpool vacuum system.
- Dimitri is currently quarantining, so he will not be able to wirebond Thursday/Friday

Vacuum System

- Krista says the vacuum pressure sensor still gets dirty, and we thus may have another, yet unknown, source.
- The valves are ordered, but have not arrived yet
- Can we use bare modules as testing surfaces?
- Plan: we put in a large surface on Friday and leave it cold over the weekend.
 - If this remains clean, the problem is on the Module and also important for Manchester/Liverpool.
 - If this becomes dirty, we hope to collect enough to analyse the substance with a spectrometer.
 - Depending on the time available, Krista can clean the easily accessible parts of the vacuum system before the test.

N018

- All results in the Elog
(https://webapps.nikhef.nl/elog/VELO_Upgrade_Cooling_VELOpix/445)
- Because the grounding is common, it is not useful to measure the return currents of the individual wires.
- It is difficult to measure the C-side with the Hall sensor
- No odd behaviour was observed in the currents when the configure error occurs.
- The module works warm.
- When cold and configuring the tiles in sequence, the module went to *Ready* and stayed configured for 1h before finally going into *Error*.
- The N-side tiles have different currents: 197 mA vs 328 mA, unconfigured.
- Plan: Martin & Krista will continue testing on Tuesday and Wednesday, starting after Lara & Krista complete the Hybrid glue test tomorrow morning.

Action points:

- Aleksandra to check if we have GBTx hybrid 051 or 091.
- Kazu to inform Liverpool that some Nikhef modules may be 'dirty' and could pollute the Liverpool vacuum system.