

# Open issues

- Hybrid glueing scripts updated (Wouter/Igor)
  - More arms star pattern and over GBLD chip
  - First line FE-hybrid is applied second
  - Distance between needle tip and hybrid surface 500 micron (was 200 micron)
  - Z-alignment entered once per side in script, but measured on all hybrids
- Measure old and new jig (Martijn/Wouter)
  - CMM results tile turn jig v2 on Zeiss available, previous measurement based on different calibration spheres
- Updating production and testing procedures (Krista)
  - Problem with gitlab again
- Machine transport box base plates (Lara)
  - Base plates are finished
  - Installation in transport boxes
- Hybrid transfer jigs are aligned and secured with two thin nuts by Lara
  - Alignment will be tested during hybrid glueing this week
  - When the alignment is OK, only bolts can be moved as the alignment is set with the nuts
- Quality tile glueing tiles with bubbles?
  - Which module is this?
  - Bandgap for all modules measured is grade A
- Check hybrids and cables stock in database (Aleksandra)
- Transport modules to Liverpool (Kazu)
  - Prepare transport
  - Is 1 shocklog enough?
  - Modules available at Nikhef: NRD004, cat.9: N006, N007, N008
  - Not finished: N009, N010
- PI-wirebonding: also take pictures of the tiles and wire bonds
- Araldite 2011 glue investigation
  - Samples are made with mixing nozzle and cured in an office and the clean room
  - All samples are still a little sticky after 18 hours of curing
  - Normal behavior for Araldite 2011
  - Advise remains, mixing for 1 minute by hand
- Clean vacuum tank (Krista)
  - Install huge cold surface
  - Install CF100 valve between the pump and system
  - Install vent valve other side tank
- Update cat.9 modules in database
  - N006, N007, N008, N009 and N010

# Production Week 8

## **Status production**

- N029: Bare module
- N027: Bare module
- N026: Tiles > ready for hybrid glueing
- N025: Wire bonds > ready for more electrical testing

## **Production plan this week**

- Tuesday: Hybrid glueing test
  - Lara & Krista
- Wednesday: Hybrid glueing N026
  - Aleksandra & Krista
- Thursday: N-side HV-glueing, N-side wirebonding & C-side HV-glueing N026
  - Dimitri & Krista/Lara?
- Friday: C-side wirebonding N026
  - Dimitri