DAQ Test Stand, Tab bonding, Funding Summary

- DAQ Test Stand
  - Two VLDb+ and raspberry pi's have arrived.
  - 40 Ghz 36" Huber+Suhner cables have arrived.
  - Zync Ultrascale+ ZCU102 FPGA board has arrived.
    - Needed to sign end user license
  - We have access to a spare KCU105.
  - DAQ computer has (will have) Rocky 9 and local generic account:
    - Need to install Vivado locked license for ZCU102
    - Test ZCU102, KCU105, VLDb+
  - What else is needed (TDR?)

- Tab bonding:
  - Order Tab bonder heads – not yet arrived.
    - What to do with them when they arrive?
  - Ral tab bonder + head will be used for ATLAS production starting now
    - Won't be easily available for use.
    - Will need to plan access with ATLAS+TD

- Funding:
  - Have a little bit of underspend this year; can be used in FY25/26 to support Adam.

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Production at RAL Summary

- RAL Stave Production:
  - Collecting information on existing and future Technology Department (TD) equipment
    - Tab bonders, wire bonders, pick and place, glue machines, metrology etc.
  - Have had an initial design meeting with ATLAS on what is needed to produce staves
    - Cleanroom area
    - Equipment/machines/production stages
    - Problems/questions (e.g. carbon-fibre in cleanrooms, alignment, global support, interface, …)
    - Challenges: manual versus automatic handling, receiving/shipping, etc…
    - Overlap with plans of other experiments (ATLAS/LHCb/Belle II/RAL Space/TD/etc…)
- Plans:
  - I'd like to start making the plans more concrete.
    - A meeting with epic-uk experts would be good.
    - Good if we can use same makes of equipment.
    - Need to understand what can be reused and what may need to be bought.
  - Will have meeting with TD in ~2 weeks to discuss plans 2025-35