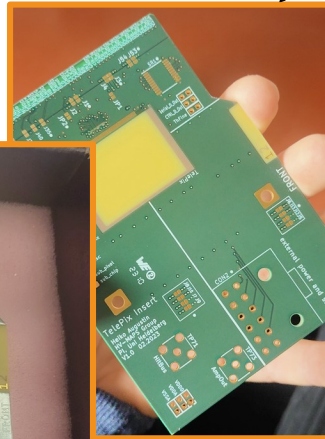


TelePix2

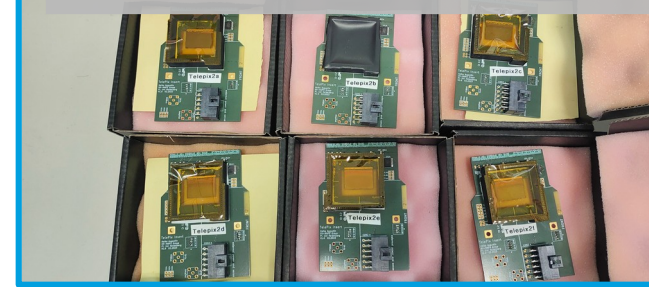
Chip Commissioning

"Novel ROI Trigger and Timing Plane for Use with the EUDET Style Telescopes"

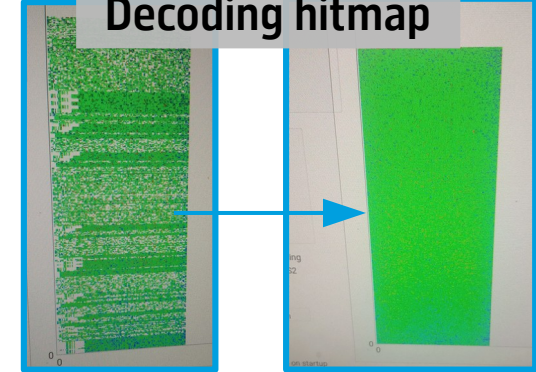
OG TelePix2



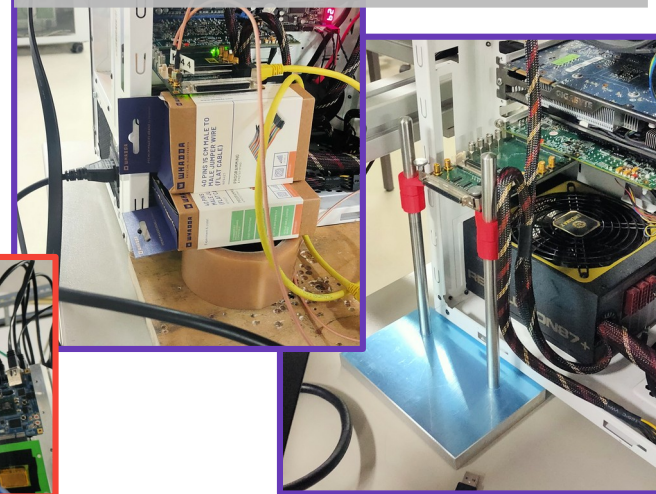
2nd batch of bonded sensors



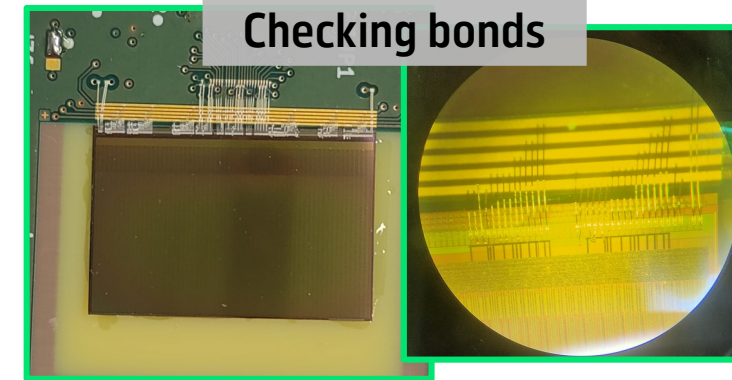
Decoding hitmap



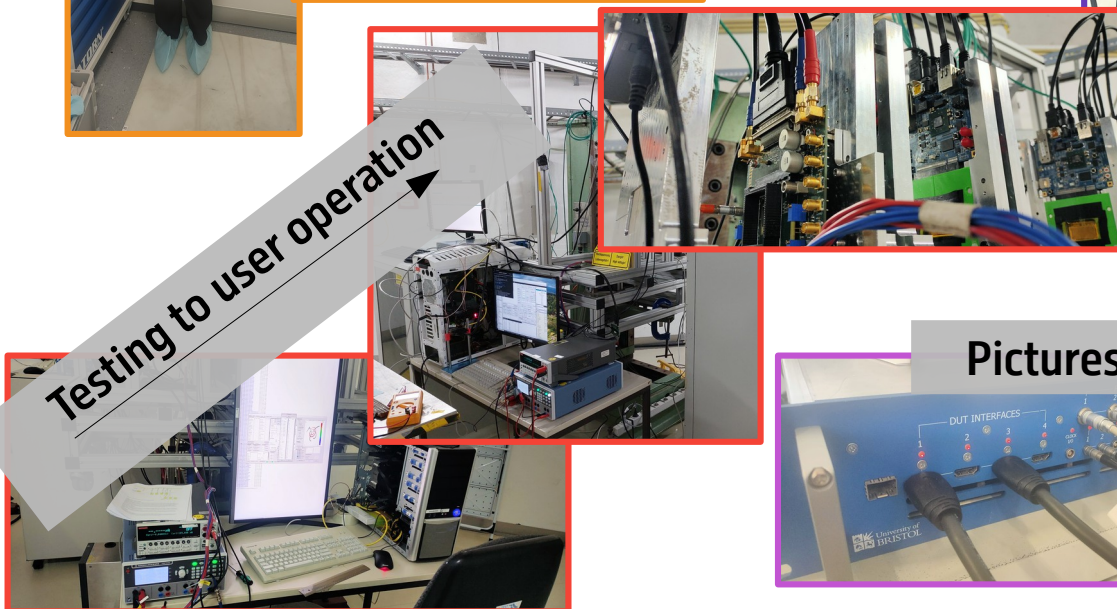
Better support stand



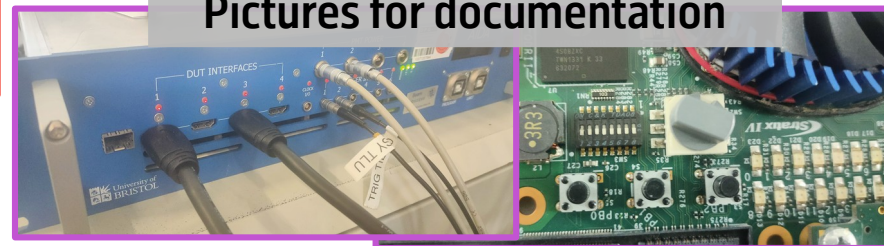
Checking bonds



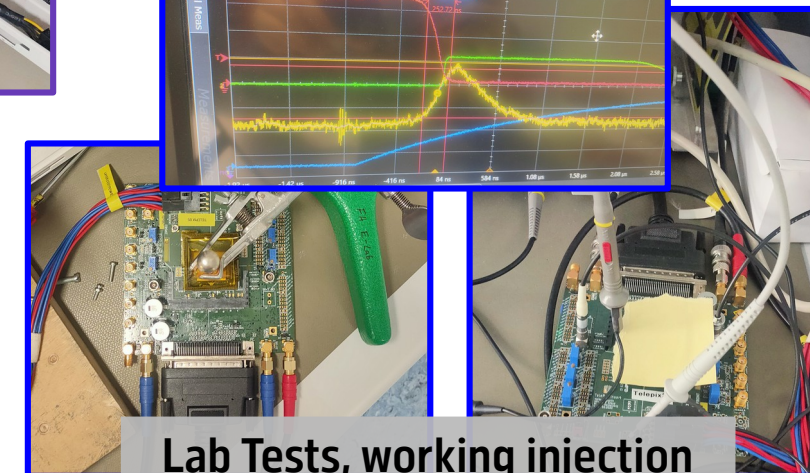
Testing to user operation



Pictures for documentation

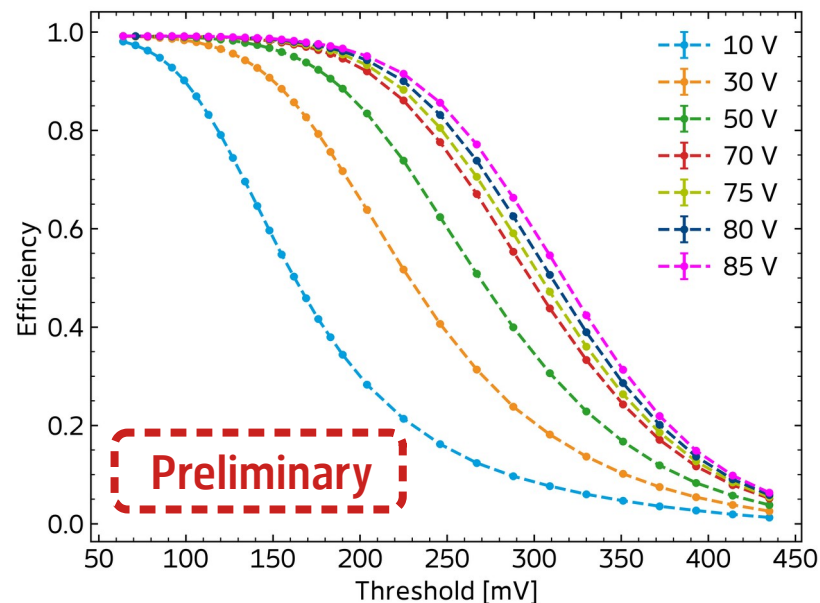
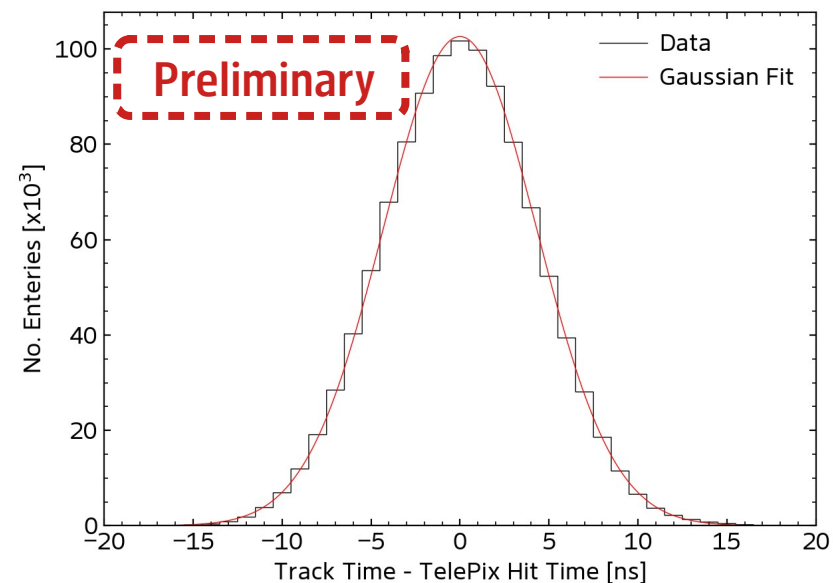


Lab Tests, working injection

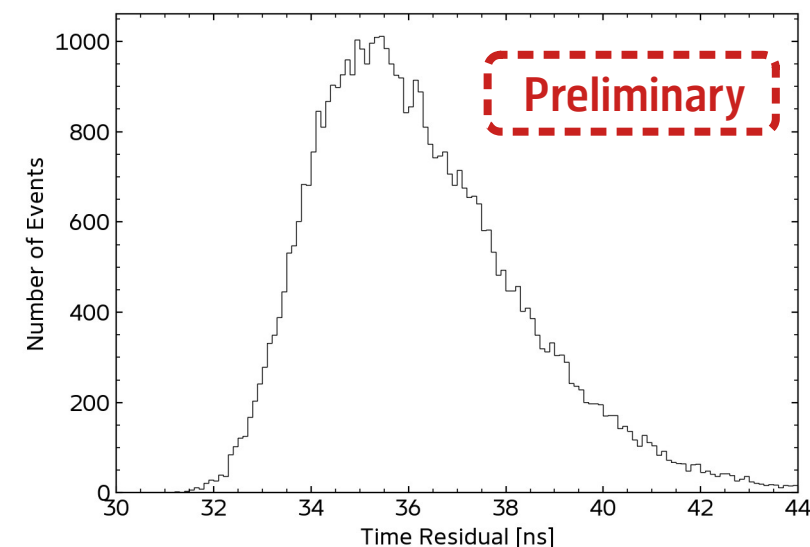


TelePix2

Test beam characterisation



Hitbus Time Residual to Reference Scintillator



Result Summary

- Working ROI trigger
- Hitbus time resolution of ≈ 2 ns
- Efficiency 99.204 ± 0.008 %
- Uncorrected time resolution 4.781 ± 0.003 ns
- Offline corrected time resolution 4.315 ± 0.003 ns

Outlook

2 testbeam slots planned for 2024,
With the aim of:
qualifying more sensors
further DAQ setting optimisation
more hitbus time residual measurements