



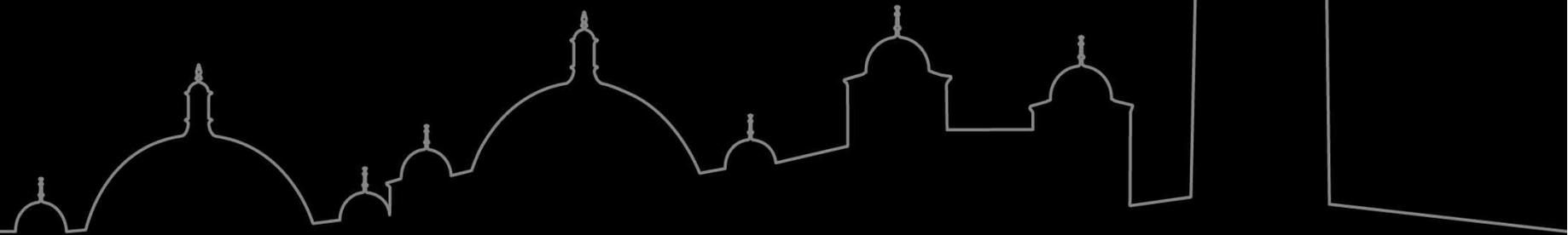
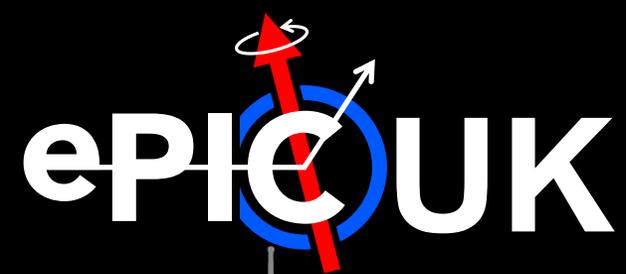
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Birmingham contribution areas for new EIC-UK project

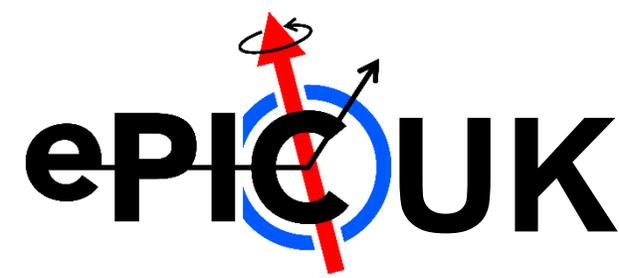
James Glover

EIC-UK WP1 meeting

Fri, 27th February 2026



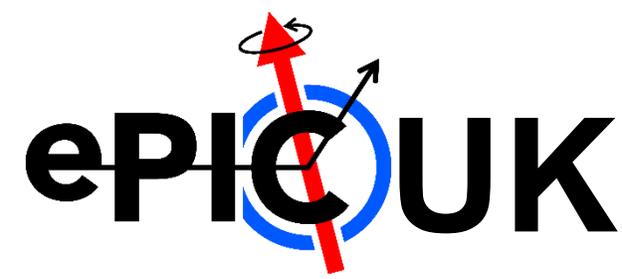
Introduction



- Looking propose a new (scoped-down) project for EIC-UK WP1.
- This is aiming to just deliver **L3** of the ePIC SVT.
- Two project durations could be considered:
 - ~2-year project: Finalise designs for everything needed to construct L3.
 - ~4-year project: Finalise designs **and** construct L3, delivery to BNL.

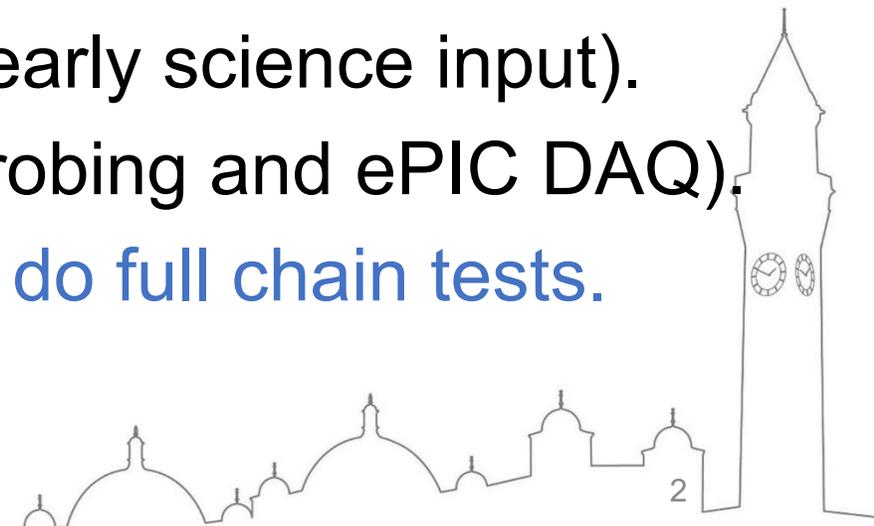


The 2-year plan @ B'ham

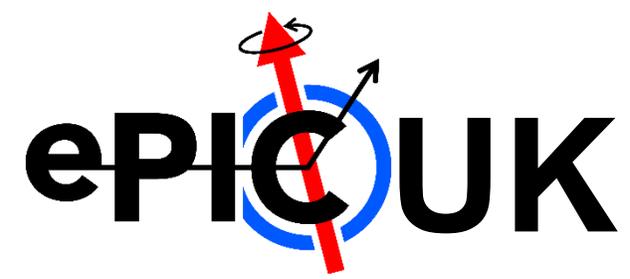


- AncASIC (a.k.a. serial powering) chain testing*.
- AncASIC to EIC-LAS chain testing*.
- RDO PCB designing.
 - FIBs and CBs for L3.
- Serial powering scheme.
- Grounding scheme.
- Physics simulations/plans (tracking studies, early science input).
- SW development (for MIT@CERN's wafer probing and ePIC DAQ).

*: Help to guide sites doing stave production to do full chain tests.



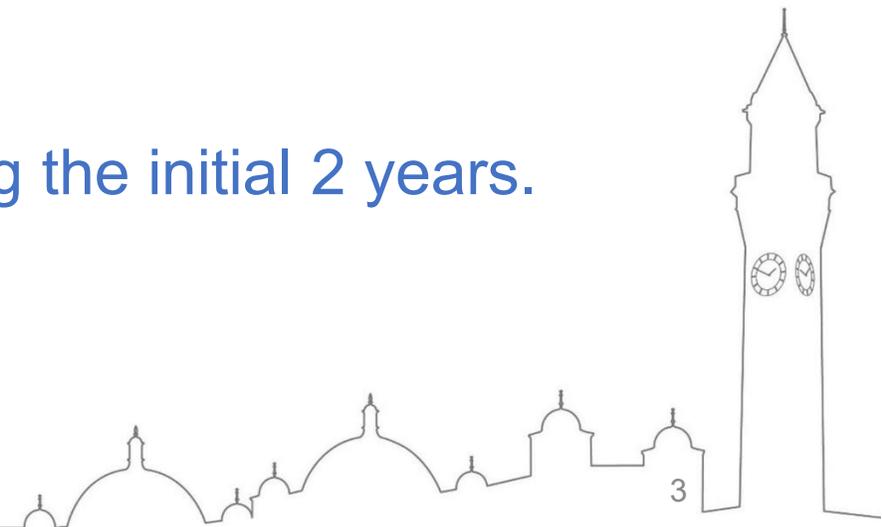
The 4-year plan @ B'ham



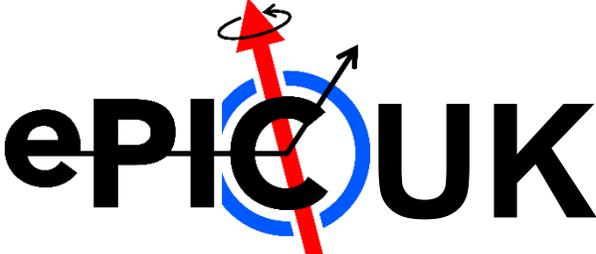
Everything from the 2-year plan and:

- Module assembly.
- Wire bonding of modules*.
- FPC spTAB interconnections*.
 - Mostly R&D (to develop process) and training stage production sites.
- Module testing.

*: Bond trials and process development can start during the initial 2 years.

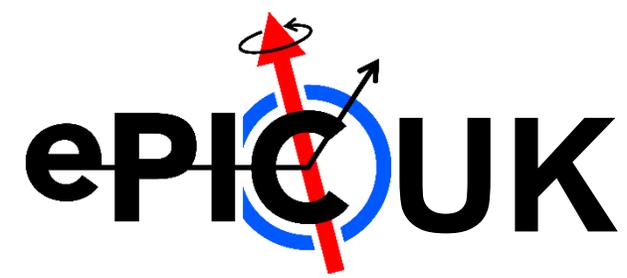


General schedule @ B'ham

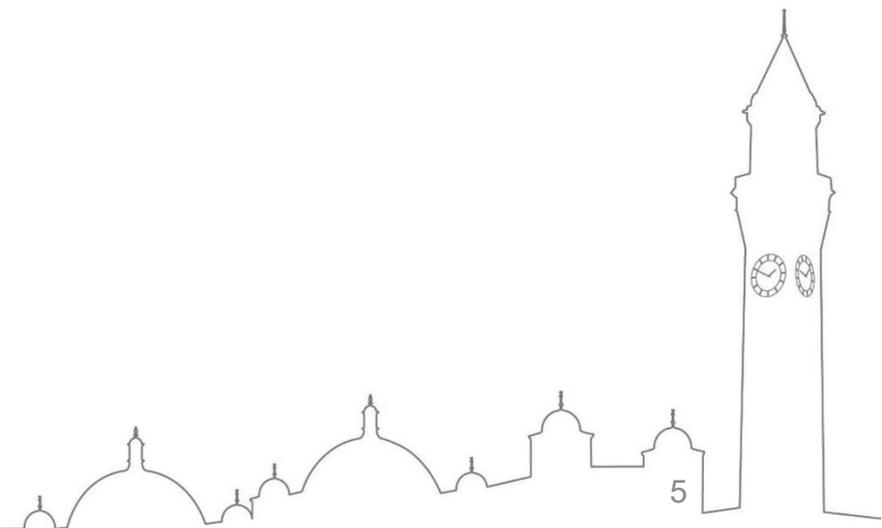


Task	CY26 Q2	CY26 Q3	CY26 Q4	CY27 Q1	CY27 Q2	CY27 Q3	CY27 Q4	CY28 Q1	CY28 Q2	CY28 Q3	CY28 Q4	CY29 Q1	CY29 Q2	CY29 Q3	CY29 Q4	CY30 Q1
Chain testing (AncASIC & LAS)	Active															
PCB design	Active															
Powering and Shielding schemes	Active															
SW development	Active															
Simulations	Active															
Interconnection bond optimisation	Active															
Module Construction									Active							
Module Testing									Active							

Summary

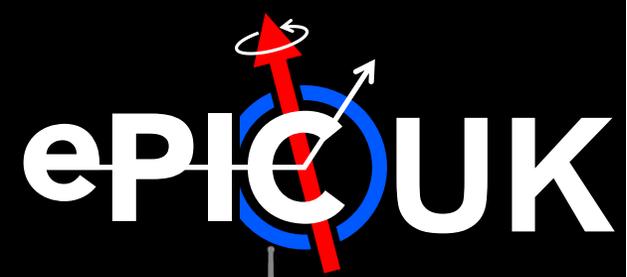


- Birmingham's options for both a 2-year or 4-year project suggested.
- Generic schedule shown (hard cut-off between tasks after 2 years does not have to happen if a 4-year project).
- Needing a team of 4 FTE to complete.



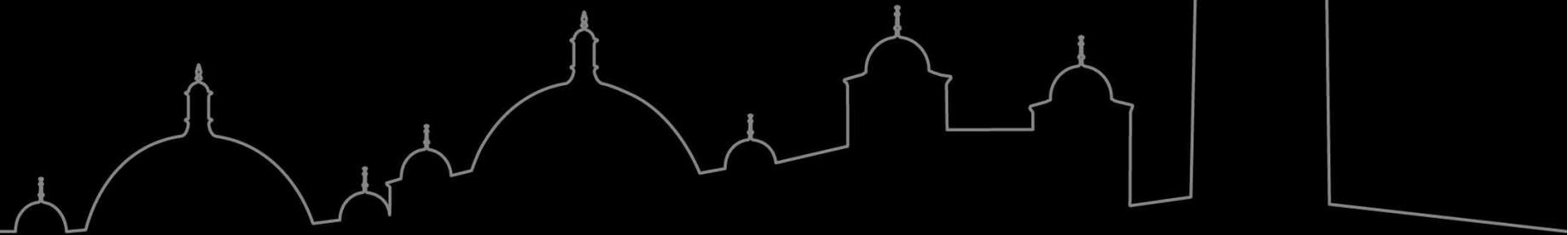


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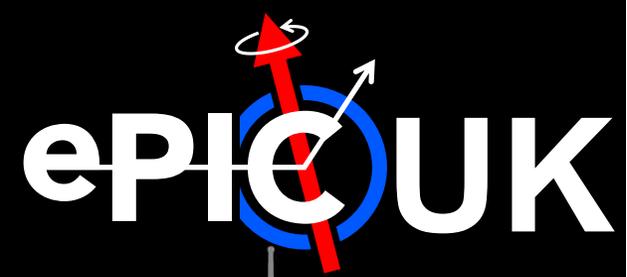
Thank you very much!

Any questions?





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Additional (support) slides

