

Discussion Session

Friday 4 November 2022 11:15 (20 minutes)

- We do not wish to discuss the details of the current technological problems.
- The physics drivers for a future hadron collider are documented by the US ‘Snowmass’ (in progress), the European Particle Physics Strategy, and recently by ECFA. Where do the UK ECRs fit (or where best to position itself to make progress) in these plans?
- How best to support more speculative R&D, which may be riskier in terms of immediate benefits but which, if successful, can bring significant and potentially groundbreaking results. Can you name some ‘blue-sky’ ideas that are currently being discussed?
- How much of an ECR’s time should be devoted to studies and R&D for future initiatives?
- What are the interests of the (UK) ECR accelerator community (e.g. hadron/electron/muon collider, linear vs circular), and how well do those align with those of experimental physicists?

Session Classification: Accelerator technologies and challenges