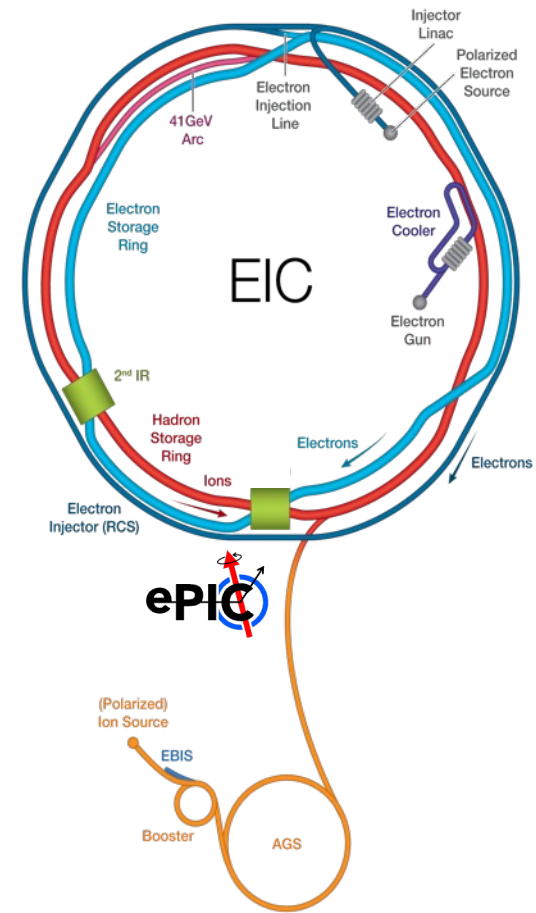
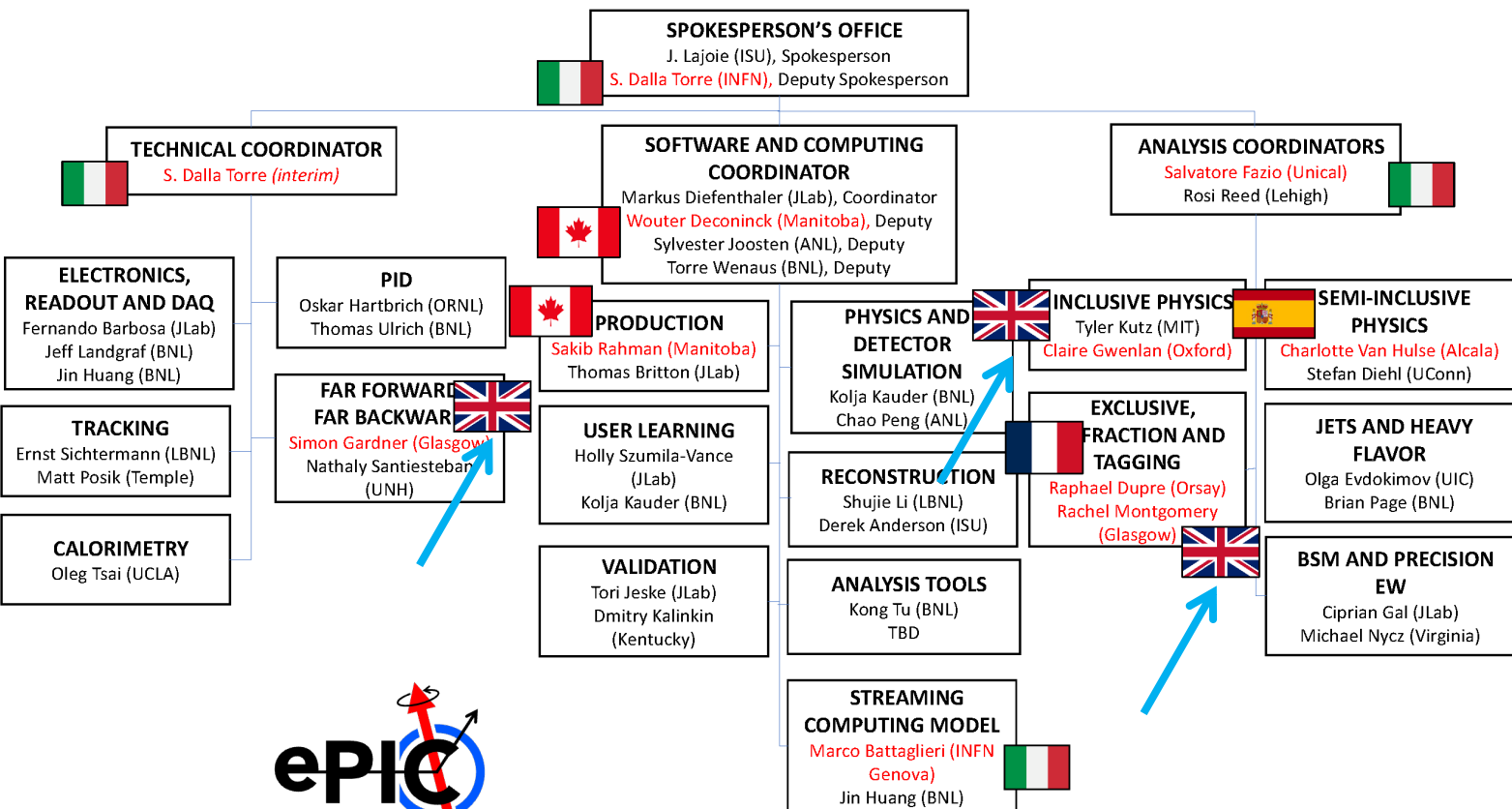


# UK EIC Engagement

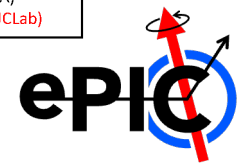
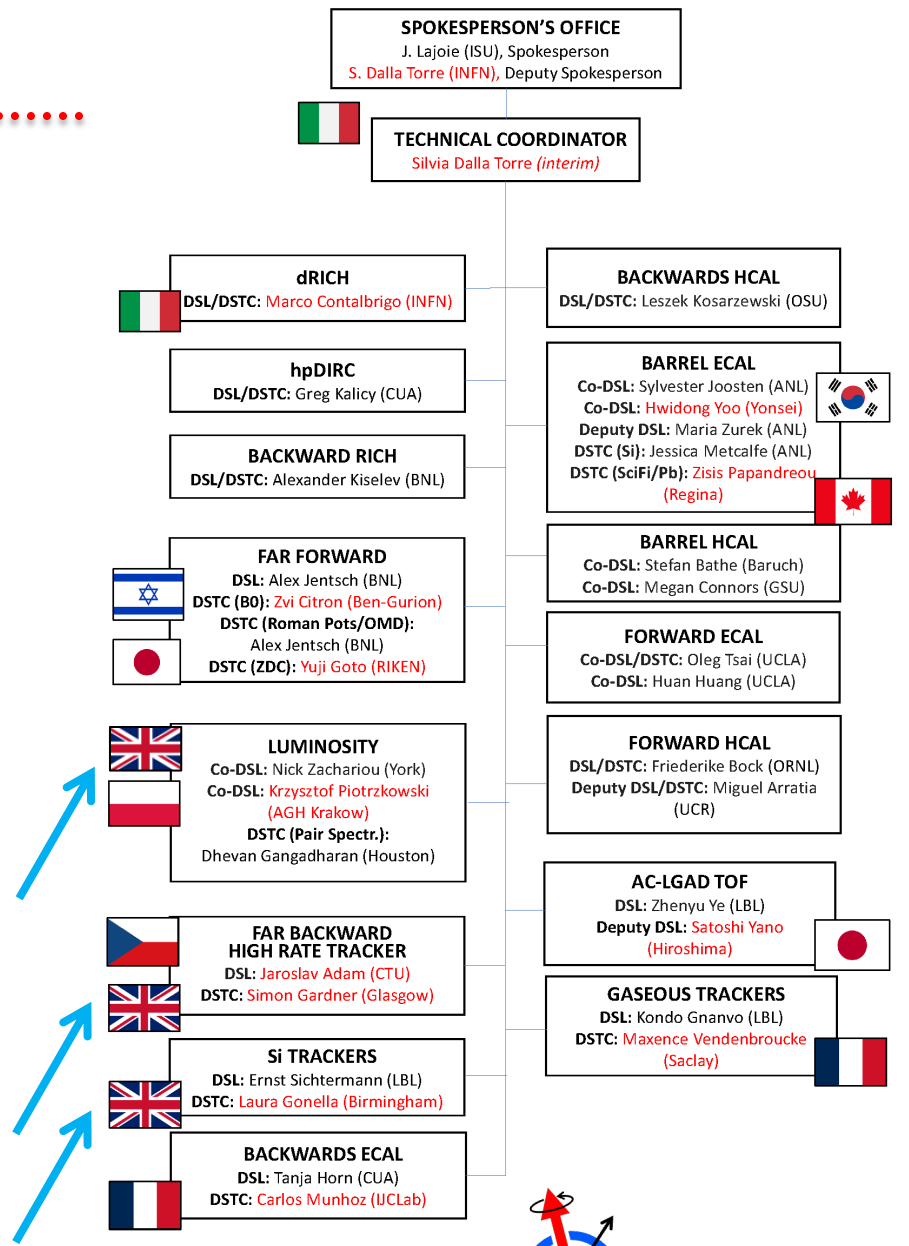
Peter Jones

University of Birmingham

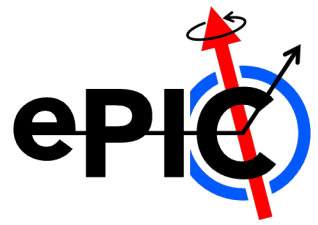




Paul Newman (Birmingham) - Executive Board  
 Nick Zachariou (York) - Conferences and Talks Committee



# EIC Full Infrastructure Project – Deliverables



- **WP1 – Silicon Tracker: Precision tracking and vertexing in the central detector**  
65 nm stitched monolithic active pixel sensors; developed in partnership with CERN/ALICE  
**Deliverable:** Build the two outer barrel layers of the central silicon tracker (~37%)  
Institutes: Birmingham, Brunel, Lancaster, Liverpool, Oxford, STFC RAL, STFC DL
- **WP2 – Electron Tagger: Precision tracking of low- $Q^2$  scattered electrons**  
Low- $Q^2$  tagger using Timepix pixel sensors  
**Deliverables:** Build the two tracking stations needed in the far backward region  
Institutes: Glasgow, STFC DL and Lancaster
- **WP3 – Luminosity Monitor: Precision bunch-by-bunch measurement of collision luminosity**  
Design of the luminosity monitor comprising a pair spectrometer (PS) and photon detector (PD)  
**Deliverables:** Build the two calorimeters needed for the PS and half the modules needed for the PD  
Institutes: York
- **WP4 – Accelerator: ERL cavity design and cryomodule fabrication**  
Cavity design and cryomodule fabrication for the Energy Recovery Linac (ERL) hadron beam cooler  
**Deliverables:** Build two cryomodules for the ERL cooler  
Institutes: Lancaster and STFC DL