

# Cross-Community Committee activity report

Carlo G. Bruno  
University of Edinburgh

## **Cross-community committee panel members**

(since November 2022)

- Carlo Bruno (chair)
- Alison Laird
- Ken Livingston
- Dan Doherty
- Kieran Flanagan
- Rodi Herzberg
- Marc Labiche

# Cross-community posts

## Target maker and senior technician (1 FTE)

[Paul Morrall](#) at DL

## Software (2 FTEs)

[Dan Judson](#) at Liverpool

[Carl Unsworth](#) at DL

## Electronics (3.8 FTEs)

[Moschos Kogimtzis](#), [James Lawson](#) and [Ian Lazarus](#) (*30%FTE*) at DL

[Jim Thornhill](#) (*50%FTE*) and [Dave Wells](#) at Liverpool

## Mechanics (3.5 FTEs)

[Richard Smith](#) (*50%FTE*) and [Mike Cordwell](#) at DL

[Dave Seddon](#) at Liverpool

[David Chorlton](#) at Manchester, following the sad loss of Andy Smith last summer

For a total of 10.3 FTEs/year until September 2024

# Electronic & software support 2021/2022

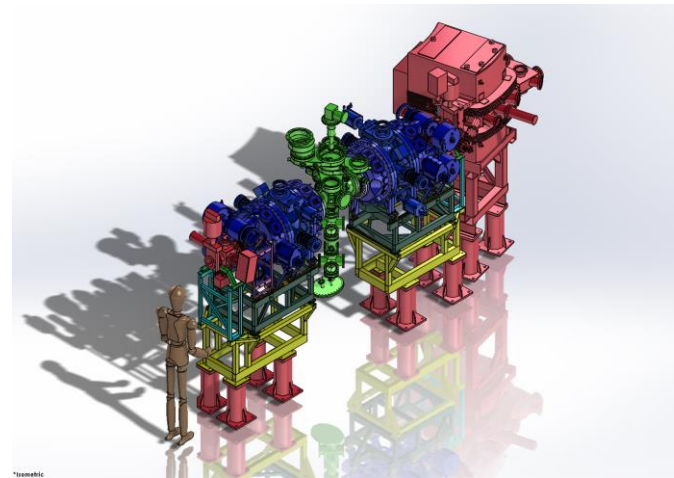
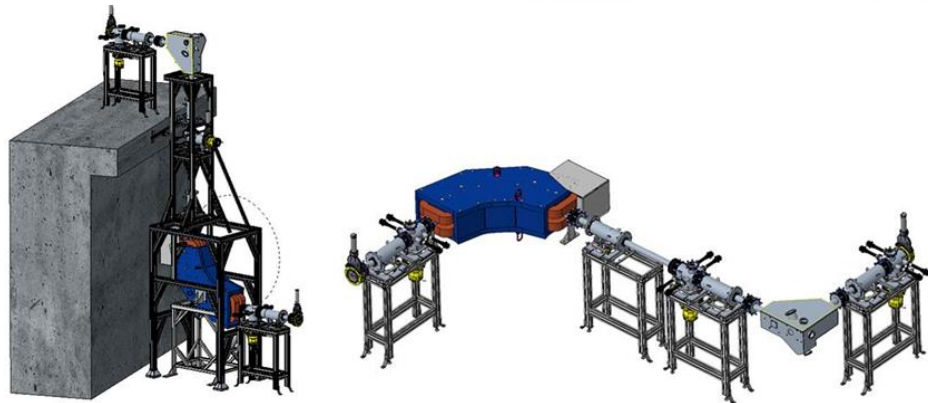
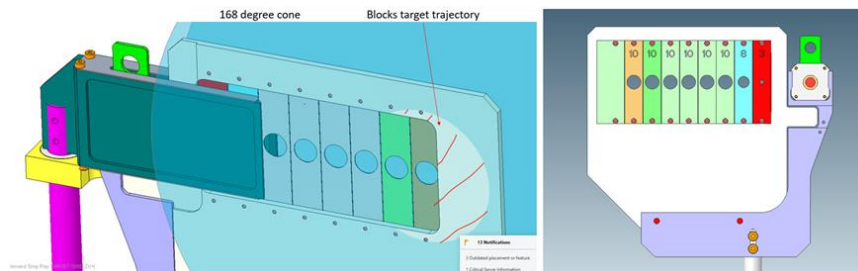
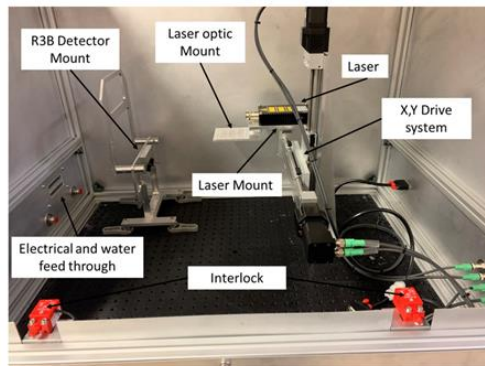
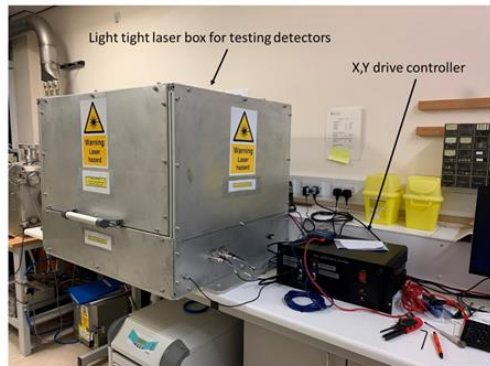
- **R3B** silicon tracker – tests in Julich and DL
- **AIDA** – support for experiments in GSI
- **CARME** – support for experiments in GSI
- **ISS** – support for experiments in CERN + DAQ improvements
- **RITU/MARA/GREAT JYFL** – 3 new Metronome-zyDF boards delivered
- **AGATA** phase 2 – Pre-processing optimisation, preamps characterisation, MIDAS support

# Electronic & software support 2021/2022

- New **Miniball** DAQ using FEBEX boards  
After many issues bench test is working in DL. Unexpected Febex bugs/limitations were discovered. This resulted in delays, and it could not be delivered in time for last Autumn campaign. A solution is expected soon.
- New **Timepix3** readout cards  
Some support provided. Delivery of the readout cards was delayed due to the issues with Miniball. Some mitigation provided. Work is to start soon to assess feasibility of Timepix at EIC.
- Applied projects support (GRI at MIRION and CapeSym TIBr)
- **MIDAS** generic support
- **CAEN** digitisers generic support
- Grant preparation help
- Laboratory maintenance operations

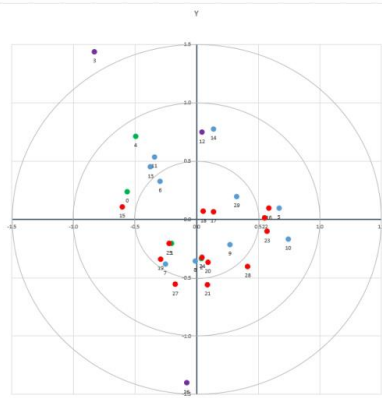
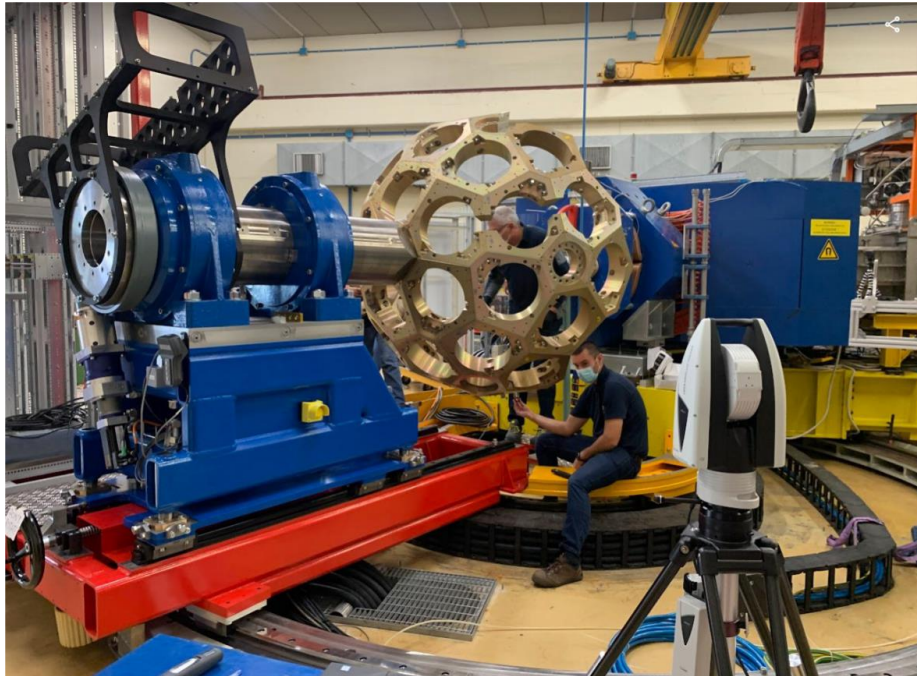
# Mechanical & design support 2021/2022

- **R3B** silicon tracker – tests in Julich, laser test setup in DL
- **CARME** – support for mounting in GSI
- **ISS** – several part designed and constructed, including e.g. target ladder
- **RITU/MARA/GREAT JYFL** – new 15 meter beamline designed
- **IDS** – detection system upgrade, installed at CERN



# Mechanical & design support 2021/2022

- **AGATA** - testing detectors, new alignment system developed, and more
- **SIGMA/AGATA** – new scanning station
- **CRIS** beam at ISOLDE – several improvement
- Lasers at **JYFL** – quadrupole bend unit
- Grant preparation help
- Laboratory maintenance operations



# Next CG round

- Funding for CC posts and activities runs to Sep 2024
- The panel will meet again in April to discuss resource allocation following the outcome of the current Consolidated Grant application process
- All requests for CC support should have been sent to Marc Labiche already

Further information <http://npg.dl.ac.uk/XCommunity/>

## Requesting effort:

- |                                       |               |
|---------------------------------------|---------------|
| • Electronics Engineering Coordinator | Ian Lazarus   |
| • Software Engineering Coordinator    | Marc Labiche  |
| • Mechanical Engineering Coordinator  | Richard Smith |