DITANET

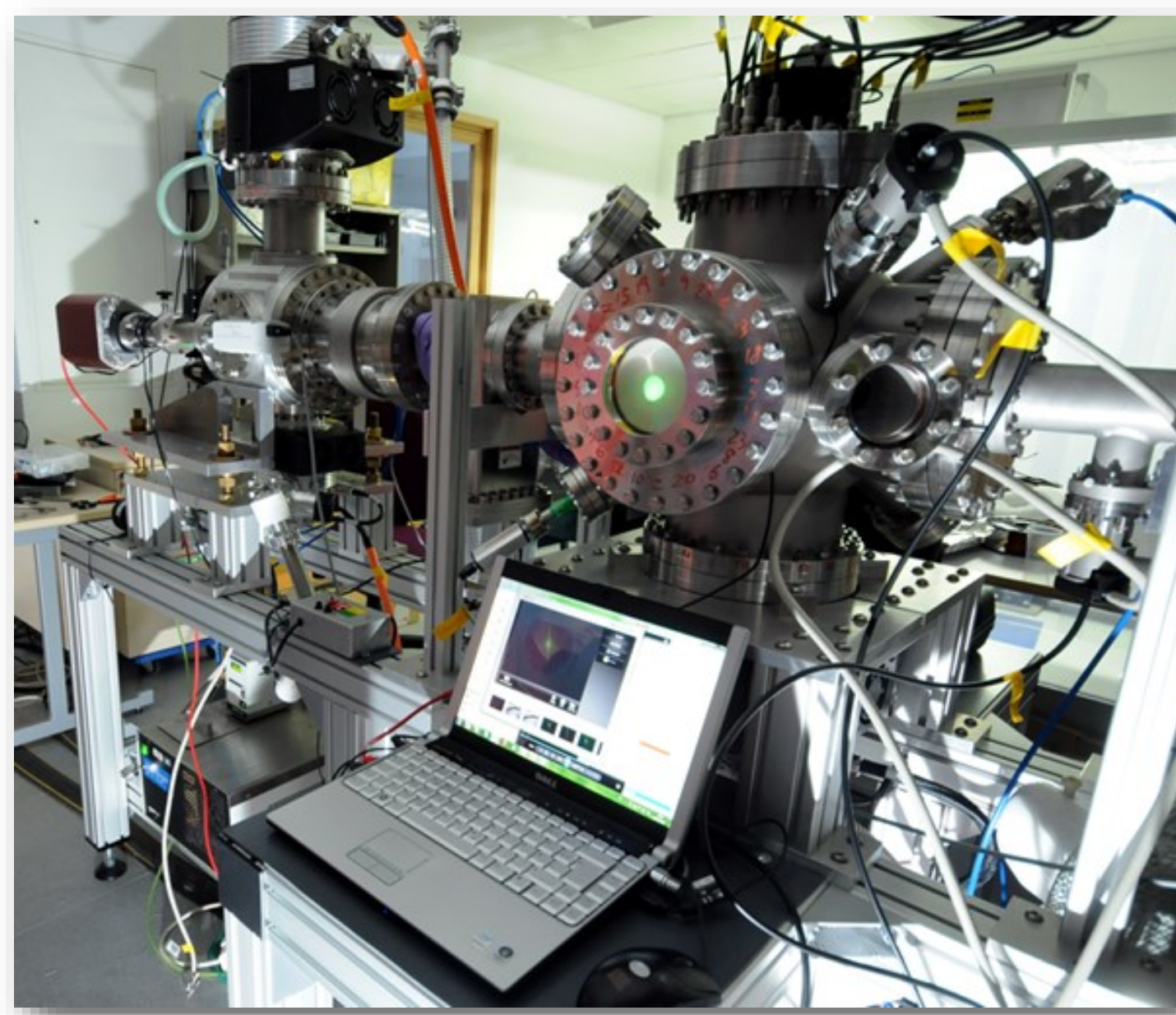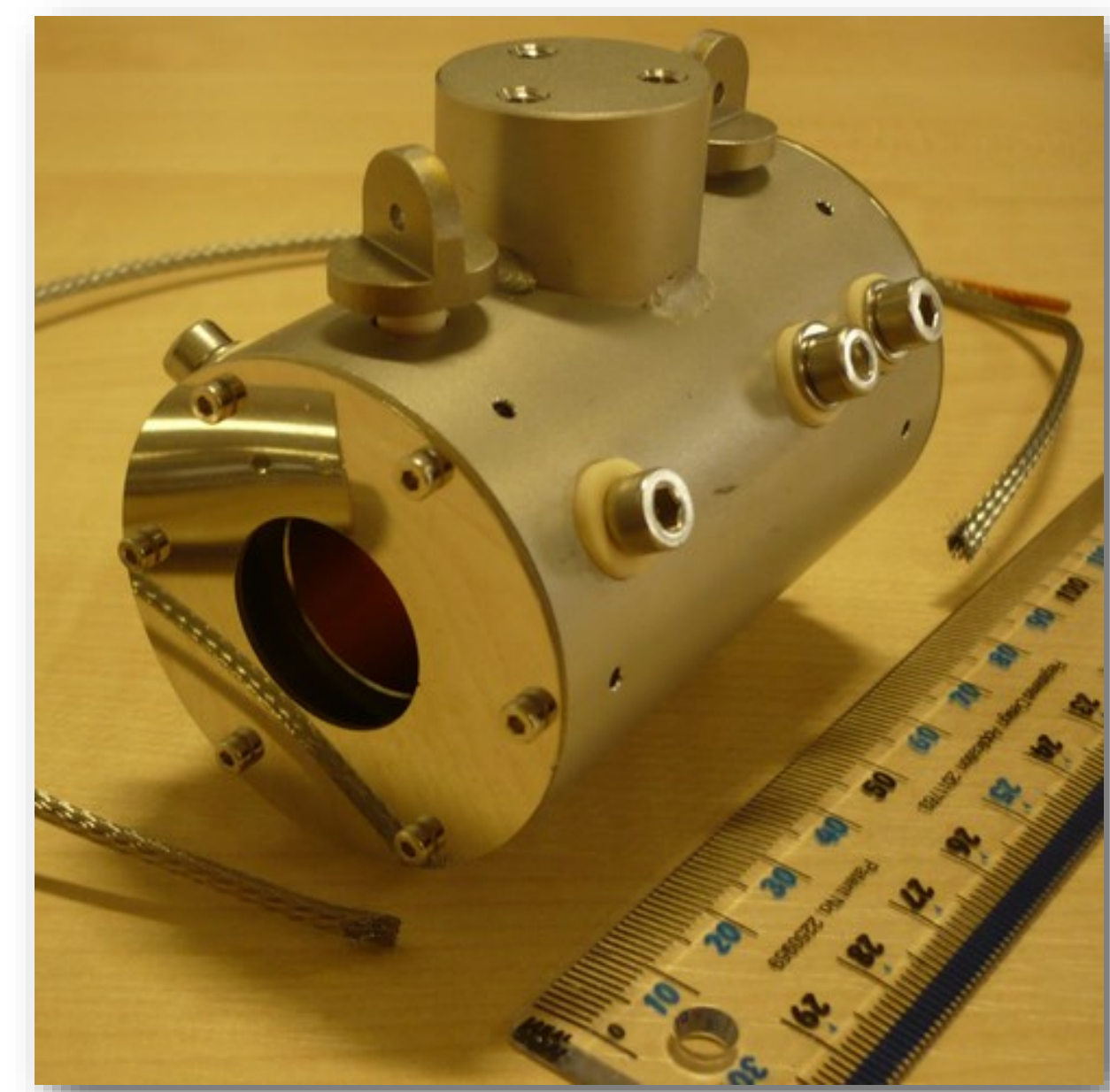## Diagnostic Techniques at Accelerators

1
Beam Diagnostics
•••••••••••••••••••••••••••••••••
With a project budget of 4.2 M€, DITANET was the largest-ever training initiative in beam diagnostics. It trained no less than 23 Fellows between 2008-2012.

2
Researcher Training
•••••••••••••••••••••••••••••••••
In partnership between universities, research centres + industry, a new approach to training for postgraduate researchers was developed; goal was to optimize career perspective of all Fellows.

3
Global Links
•••••••••••••••••••••••••••••••••
The trainees within the network carried out studies at the most advanced particle accelerator in the world. Liverpool represented DITANET at conferences around the world.

4
Cutting edge R&D
•••••••••••••••••••••••••••••••••
DITANET Fellows developed new diagnostics tools that provide superior information about charged particle beams. Research included monitors for electron, ion and photon beams.
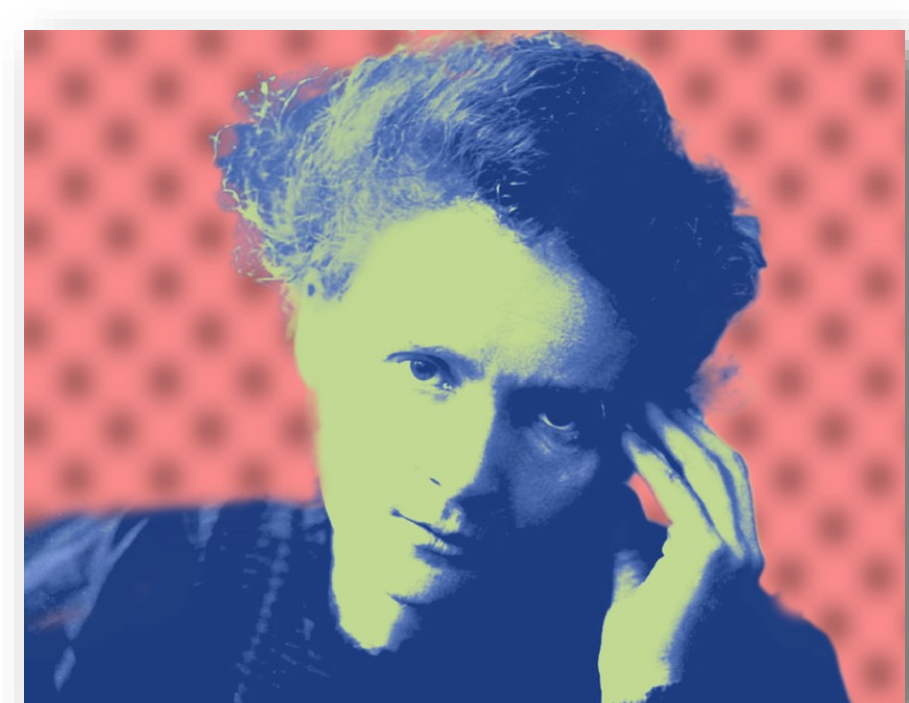
5
Least-invasive
•••••••••••••••••••••••••••••••••
Many of the techniques developed, such as this gas jet monitor, hardly 'touch' the beam they measure, yet they extract full information about the beam!

6
Pushing the Limits
•••••••••••••••••••••••••••••••••
DITANET Fellows developed some of the most advanced beam diagnostics at particle accelerators.

Their research still benefits many accelerator facilities around the world.