

Shining a Light on Particle Physics and Accelerators

Liverpool Cathedral, 5th March 2024 - Structure of the Day:

The main structure for the day is shown in the schedule below:

Up to 10:30	Arrive at the Cathedral, enter via the Scott Suite entrance to register and pick up welcome pack and proceed to the Well		
10:50 – 11:00	Welcome and Introduction from the Revd Canon Dr Mike Kirby – University of Liverpool, University of Manchester and Liverpool Cathedral		
11:00 – 11:30	“Quarks, Gluons and the Higgs Boson” Presentation by Prof Fred Loebinger - University of Manchester		
11:30 – 12:00	“Online tour and Q&A: the Boulby Underground Laboratory” (Live Link) Jonny Gutteridge and Nafeesa Khan – Science Communication Industrial Placement Students, UKRI-STFC Boulby Underground Laboratory		
12:00-12:40	Lunch break (in the Well) and then move into smaller groups		
Group Activities	<p>“A virtual tour of the CLARA particle accelerator at Daresbury” – Dr Alex Bainbridge, UKRI-STFC Daresbury Laboratory and the Cockcroft Institute</p> <p>[the Well]</p>	<p>“Accelerator Physics and Components” – Prof Carsten Welsch and colleagues, Physics Department, University of Liverpool and the Cockcroft Institute</p> <p>[the Dining Room]</p>	<p>“An exploration of Radiotherapy using the VERT system” – Prof Andy Beavis, Hull Univ Hospitals NHS Foundation Trust; Hull and York Medical School and University College London</p> <p>[the Concert Room]</p>
12:40-13:10	Red	Yellow	Green
13:10-13:40	Green	Red	Yellow
13:40-14:10	Yellow	Green	Red
14:10-14:20	Break and move back to the Well		
14:20 – 14:50	“Proton and Ion Beam Therapy” Presentation by Prof Julia Handley – the Christie NHS Foundation Trust and University of Manchester		
14:50 – 15:20	“Anti-Matter Matters” Presentation by Prof Carsten Welsch – University of Liverpool and the Cockcroft Institute		
15:20-15:30	Close, evaluation and depart Liverpool Cathedral		

Sessions **highlighted in blue** are livestreamed.