

# Cockcroft Institute Lecture Courses – Autumn 2020

## CI-Acc-101 Introduction to Accelerators

H L Owen (HLO) CI/University of Manchester

## CI-Acc-102: Relativity and Elements of Electromagnetism

J Gratus (JG) CI/Lancaster University

## CI-RF-103: Introduction to RF Systems

L Cowie (LC) CI/ASTeC

## CI-Beam-104: Introduction to Beam Dynamics

I R Bailey (IRB) CI/Lancaster University

## CI-Mag-106: Conventional Magnets for Accelerators

A Bainbridge (AB) CI/ASTeC

## CI-Beam-105: Lattice Design and Computational Dynamics

O Apsimon (OA) and R Apsimon (RA) CI/Lancaster University

## CI-SWA-107: Introduction to Short-Wavelength Accelerators

G Xia (GX) CI/University of Manchester

Date/time	11:00	12.00	12:30
5 Oct 2020	Welcome to new PG students and description of PG programme	General Q&A for all current local PG students	
Date/time	10:30	11:45	14.00
12 Oct 2020	CI-Acc-101 (HLO)	CI-Acc-102 (JG)	CI-Acc-102 (JG)
19 Oct 2020	CI-Acc-101 (HLO)	CI-Acc-102 (JG)	CI-Acc-102 (JG)
26 Oct 2020	CI-Beam-104 (IRB)	CI-Beam-104 (IRB)	CI-Mag-106 (AB)
2 Nov 2020	CI-Beam-104 (IRB)	CI-Beam-104 (IRB)	CI-Mag-106 (AB)
9 Nov 2020	CI-Beam-104 (IRB)	CI-Beam-104 (IRB)	CI-Mag-106 (AB)
16 Nov 2020	CI-Beam-105 (OA/RA)	CI-Beam-105 (OA/RA)	CI-Mag-106 (AB)
23 Nov 2020	CI-Beam-105 (OA/RA)	CI-Beam-105 (OA/RA)	CI-Beam-105 (OA/RA)
30 Nov 2020	CI-Beam-105 (OA/RA)	CI-Beam-105 (OA/RA)	CI-Beam-105 (OA/RA)
7 Dec 2020	CI-RF-103 (LC)	CI-RF-103 (LC)	CI-Beam-105 (OA/RA)
14 Dec 2020	CI-RF-103 (LC)	CI-RF-103 (LC)	CI-Beam-105 (OA/RA)
11 Jan 2021	CI-SWA-107 (GX)	CI-SWA-107 (GX)	
18 Jan 2021	CI-SWA-107 (GX)	CI-SWA-107 (GX)	

Lectures will be delivered using Zoom and can be received on the web at: <https://www.cockcroft.ac.uk/webinar>  
Lectures are open to all HEI students/staff; for more information contact [A.Wolski@liverpool.ac.uk](mailto:A.Wolski@liverpool.ac.uk)  
[laura.corner@liverpool.ac.uk](mailto:laura.corner@liverpool.ac.uk) or [liz.kennedy@stfc.ac.uk](mailto:liz.kennedy@stfc.ac.uk)