

# The Cockcroft Institute

## Lecture Courses Autumn Term 2007



The following lecture courses will be presented at:  
**The Cockcroft Institute,**  
**Daresbury Science and Innovation Campus,**  
**Daresbury, Warrington WA4 4AD.**  
<http://www.cockcroft.ac.uk/>

'Introduction to Accelerators' (2 lectures):	Mike Poole,	ASTeC, CI;
'Revision on Special Relativity' (2 lectures):	Chris Prior,	U. of Oxford, ASTeC, AI;
'Revision on Electro-magnetic theory' (2 lectures):	Chris Prior,	U. of Oxford, ASTeC, AI;
'Transverse dynamics in Accelerators' (7 lectures):	Bernhard Holzer,	DESY;
'Longitudinal dynamics in Accelerators' (7 lectures):	Joel Leduff,	LAL;
'Wake Fields and Collective effects' (10 lectures):	Roger Jones	U. of Manchester, CI;
'Electro-magnetism in Accelerators' (10 lectures):	Rebecca Seviour,	U. of Lancaster, CI.

### Dates and Times:

DATE	DAY	10:30 – 11:30	11:45 – 12:45	14:00 – 15:00	15:15 -16:15
8/10/07	Monday	Intro to Accels I	Relativity revise I	Relativity revise II	
15/10/07	Monday	Intro to Accels II	Electro-mag revise I	Electro-mag revise II	
22/10/07	Monday	Long. Dynamics I	Long. Dynamics II	Trans. Dynamics I	Tutorial
23/10/07	Tuesday	Trans. Dynamics II	Trans. Dynamics III	Long. Dynamics III	Tutorial
24/10/07	Wednesday	Long. Dynamics IV	Long. Dynamics V	Trans. Dynamics IV	Tutorial
25/10/07	Thursday	Trans. Dynamics V	Trans. Dynamics VI	Long. Dynamics VI	Tutorial
26/10/07	Friday	Tran. Dynamics VII	Long. Dynamics VII	Discussion.	
29/10/07	Monday	E-M in Accels I	Wake Fields I	E-M in Accels II	Tutorial
5/11/07	Monday	Wake Fields II	E-M in Accels III	Wake Fields III	Tutorial
12/11/07	Monday	E-M in Accels IV	Wake Fields IV	E-M in Accels V	Tutorial
19/11/07	Monday	E-M in Accels VI	Wake Fields V	E-M in Accels VII	Tutorial
26/11/07	Monday	Wake Fields VI	Wake Fields VII	Tutorial	
3/12/07	Monday	Wake Fields VIII	Wake Fields IX	Tutorial	
10/12/07	Monday	E-M in Accels VIII	Wake Fields X	E-M in Accels IX	Tutorial
17/12/07	Monday	E-M in Accels X	Xmas event		

Lectures are open to all; for more information contact :  
 Neil Marks on 01925 603191, [n.marks@cockcroft.ac.uk](mailto:n.marks@cockcroft.ac.uk)

