



The Cockcroft Institute
of Accelerator Science and Technology

Cockcroft Institute Lecture Courses, Summer Term 2011

The following lecture courses will be given at:

The Cockcroft Institute, Daresbury Science and Innovation Campus,
Daresbury, Warrington WA4 4AD.

<http://www.cockcroft.ac.uk/>

• Special Topics in Accelerator Physics

- Echo Effect in Accelerators
- Laser Acceleration
- Gravitational Instability
- Lie Algebra

Alexander W Chao (AC), SLAC National Accelerator Laboratory

• Lasers and Accelerators

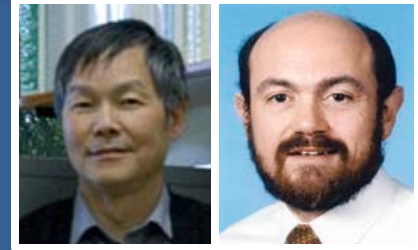
Graeme Hirst (GH), STFC, Rutherford Appleton Laboratory

• Physics and Applications of Polarised Beams: Part I - Fundamentals of spin and role in high energy physics

Gudrid Moortgat-Pick (GP), DESY

• Physics and Applications of Polarised Beams: Part II - Production of polarised beams and accelerator topics

Ian Bailey (IB), Lancaster University/Cockcroft Institute



Alex Chao

Graeme Hirst



Gudrid Moortgat-Pick

Ian Bailey

Date/time	10:30	11:45	14:00	15:15
4-July-11	AC	AC	AC	
5-July-11	AC	AC	AC	
6-July-11	AC	AC	AC	
7-July-11	AC	AC	AC	AC
8-July-11	AC	AC	TUTORIAL	
11-July-11	GH	GH		
18-July-11	GH	GH		
25-July-11	GH	GH	TUTORIAL	
8-Aug-11	GP	GP	GP	
22-Aug-11	IB	IB	IB	

Lectures and tutorials are in Walton Seminar Rooms A&B;

Lectures can be received on the web at: <http://extrplay.dl.ac.uk>

Lectures are open to all HEI students/staff; for more information

Contact R.M. Jones on 01925 864321, r.m.jones@cockcroft.ac.uk or liz.kennedy@stfc.ac.uk