

ASTEC – CLF Seminar

RECENT DEVELOPMENTS IN LASER-BASED ACCELERATOR SCIENCE

Tuesday 20th February,
Cockcroft Seminar Room,
Daresbury Laboratory

Provisional Agenda

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| 9.30 | Welcome and introduction to new opportunities between CLF & ASTEC in wakefield accelerator research | Prof Mike Dunne (CLF/IC) |
| 9.35 | Introduction to laser-based accelerators | Prof Peter Norreys (CLF/IC) |
| 9.50 | Current status of beam-driven wakefield accelerators | Prof Bob Bingham
(SSTD/Strathclyde) |
| 10:10 | Ion acceleration from laser irradiated foil targets | Dr Alex Robinson (CLF / IC) |
| 10:30 | Coffee | |
| 11.00 | Electron transport in laser irradiated foil targets | Dr Mark Sherlock (Strathclyde/CLF) |
| 11.20 | Physics of bubble acceleration | Dr Raoul Trines (CLF) |
| 11.40 | Photon acceleration: a new diagnostic tool | Mr Christopher Murphy (CLF) |
| 12.00 | Electron acceleration in capillary discharges | Dr Simon Hooker (Oxford) |
| 12.20 | Lunch | |
| 13.30 | UK laser-based accelerator roadmap | Prof Mike Dunne (CLF/IC) |
| 13.50 | ASTRA-GEMINI progress | Dr John Collier (CLF) |
| 14.10 | The ASTEC programme | Prof Mike Poole (ASTEC/Liverpool) |
| 14.30 | Round table discussion on new opportunities in laser-based accelerator research for the CLF, ASTEC and STFC. | |
| 3.15 | Tea | |
| 3.45 | Round table discussion on new opportunities in laser-based accelerator research for the CLF, ASTEC and STFC continued. | |
| 4.15 | Wrap-up and close. | Prof Mike Poole & Prof Mike Dunne. |