

Octoberfest at JAI

Imperial College London, 170 Queen's Gate

South Kensington Campus, London

Thursday 24th October 2013

9:45-10:05 Coffee/tea on arrival

10:05-10:20 Zulfikar Najmudin and Andrei Seryi

Opening of the Octoberfest, Welcome and JAI recent updates

10:20 -10:40 Philip Burrows (JAI, University of Oxford)

Status of the International Linear Collider project

10:40 -11:00 Stuart Mangles (JAI, Imperial College London)

Imaging laser wakefields

11:00-11:20 Brian Foster (University of Hamburg/DESY/JAI, University of Oxford)

Helmholtz Association Virtual Institute for Plasma Acceleration - Outline & Plans

11:20-11:40 Coffee/Tea

11:40 -12:00 George Hicks (JAI, Imperial College London)

Optimisation of ion beams from relativistically transparent targets

12:00 -12:20 Faissal Bakkali Taheri (JAI, University of Oxford)

Smith-Purcell Femtosecond electron bunch monitor recent results and progress

12:20- 12:40 Jason Cole (JAI, Imperial College London)

Optically-Stimulated Raman Side Scatter in a Laser Wakefield Accelerator

12:40 -13:00 Stephen Gibson (JAI, Royal Holloway University of London)

High energy proton acceleration; High luminosity LHC

13:00 -14:00 Lunch

14:00 -14:20 Mikey Davis (JAI, University of Oxford)

Fast beam feedback and feed-forward tests at KEK

14:20-14:40 Nicolas Bourgeois (JAI, University of Oxford)

Laser-plasma acceleration in plasma channels and longitudinally-structured gas cell

14:40 – 15:00 Konstantin Kruchinin (JAI, Royal Holloway University of London)

Sub-micrometer Transverse Beam Size Diagnostics Using Optical Transition Radiation

15:00 -15:20 Ken Peach (JAI, University of Oxford & Particle Therapy Cancer Research Institute)

From physics & accelerators to cancer research in one easy step?

15:20-15:40 Emmanuel Tsesmelis (CERN & JAI, University of Oxford)

The European Strategy for Particle Physics CERN and the High Energy Frontier

15:40-16:00 Laurie Nevay (JAI, Royal Holloway University of London)

ATF2 laser-wire

16:00-16:20 Coffee/Tea

16:20- 16:40 Thapakron Pulampong (JAI, University of Oxford /Diamond)

Ultra low emittance lattices

16:40- 17:00 Scott Lawrie (JAI, University of Oxford & ISIS, RAL, STFC)

Recent Negative Hydrogen Ion Source R&D at ISIS

17:00 -17:20 William Shields (JAI, Royal Holloway University of London)

The Microbunching Instability at Diamond Light Source

17:20 -17:40 Stephen Dann (JAI, University of Oxford)

Multiple-Pulse Laser Wakefield Acceleration

17:40- 18:00 Jürgen K Pozimski (JAI, Imperial College London)

Proton drivers for science and health care

18:00-18:20 Ben Pine (ISIS, RAL, STFC & JAI, University of Oxford)

High Intensity Simulations and Low Intensity Experiments on the ISIS Synchrotron

18:20 till late

Cheese, olives and wine

We would also suggest migrating to the pub (identified by Zulfikar Najmudin) for further fruitful discussion after 19:00. To estimate numbers for catering purposes, please RSVP to Zulfikar Najmudin (z.najmudin@imperial.ac.uk).