

Octoberfest at JAI

Moore Lecture theatre, Royal Holloway University of London

Egham Hill, Egham, Surrey

Friday 3rd of October 2014

9:40—10:10 Coffee/tea on arrival

10:10—11:35 Session 1 (Chair: Jochem Snuverink, RHUL)

10:10—10:15 Stewart Boogert (JAI, RHUL)

Opening of the Octoberfest, Welcome

10:15—10:35 Andrei Seryi (JAI)

Science and the Art of Inventiveness

10:35—10:55 Timothy Hughes (Siemens)

High Power RF for Accelerators

10:55—11:15 Claire Timlin (PTCRi, Oxford)

Introduction to Proton Therapy

11:15—11:35 Simon Jolly (UCL)

The proton therapy centres

11:35—11:55 Coffee/Tea

11:55—13:15 Session 2 (Chair: Robert Ainsworth, Oxford)

11:55—12:15 A.W.Cross (University of Strathclyde)

Numerical Analysis and Experimental Design of a Cherenkov Maser based on a 2D PSL

12:15—12:30 Nelson Lopes (JAI, Imperial; GoLP, IST, Lisboa)

Imaging of biological samples using betatron radiation

12:30— 12:45 Philip Burrows (JAI, Oxford)

Status of the International Linear Collider project

12:45—13:00 Neven Blaskovic (JAI, Oxford)

Progress towards nanometre-level beam stabilisation at ATF2

13:00—13:15 Konstantin Kruchinin (JAI, RHUL)

Laserwire emittance measurements of H⁻ ions at Linac4

13:15—14:15 Lunch

14:15—15:55 Session 3 (Chair: Nelson Lopes, Imperial College)

14:15—14:35 Jim Clarke (ASTeC, STFC)

CLARA and VELA progress

14:35—14:50 Davide Gamba (JAI, Oxford/CERN)

Orbit feedback experience at CTF

14:50—15:10 Jimmy Holloway (UCL)

Bright Radiation Source based on plasma-micro-bunched Diamond beam

15:10—15:25 Aiveen Finn (JAI, RHUL)

Detector characterisation for investigations of micro-bunch instabilities at Diamond Light Source

15:25—15:40 Thapakron Pulampong (JAI, Oxford /Diamond)

Ultra low emittance lattices and Diamond upgrade

15:40—15:55 Nick Dover (JAI, Imperial College)

Laser driven shockwave acceleration of ions with optically shaped gas jets

15:55—16:20 Coffee/Tea

16:20—18:00 Session 4 (Chair: Laurie Nevay, RHUL)

16:20—16:40 Lucas Schaper (DESY)

FLASHForward: A facility for beam driven plasma accelerator research and development

16:40—16:55 Thomas Aumeyr (JAI, RHUL)

Advanced ZEMAX simulations of optical transition/diffraction radiation

16:55—17:10 Jinqing Yu (JAI, Imperial College; University of Electronic Science and Technology of China, Chengdu)

Compact proton accelerator by hole-boring shock acceleration

17:10—17:25 Peter Tudor (JAI, Oxford)

Multiple pulse laser wakefield acceleration

17:25—17:45 Emmanuel Tsesmelis (CERN & JAI)

CERN and the High Energy Frontier

17:45—18:00 Discussion and closing remarks

18:00 till late Drinks reception

We would also suggest migrating to the pub (identified by Stewart Boogert /Pavel Karataev) for further fruitful discussion after 19:00. To estimate numbers for catering purposes, please RSVP to Stewart Boogert

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