

**JAI Fest**

# **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome and introduction

*Friday 7 December 2018 10:30 (20 minutes)*

**Presenter:** BURROWS, Philip Nicholas (University of Oxford (GB))

**Session Classification:** Session 1 (Bourne Annexe): Chair: Stephen Gibson

Contribution ID: 2

Type: **not specified**

## **Luminosity and longitudinal density monitoring in the LHC**

*Friday 7 December 2018 10:50 (20 minutes)*

**Presenter:** PALM, Marcus (University of London (GB))

**Session Classification:** Session 1 (Bourne Annexe): Chair: Stephen Gibson

Contribution ID: 3

Type: **not specified**

## **A holistic approach to simulating beam losses in the LHC using BDSIM**

*Friday 7 December 2018 11:10 (20 minutes)*

**Presenter:** WALKER, Stuart Derek (University of London (GB))

**Session Classification:** Session 1 (Bourne Annexe): Chair: Stephen Gibson

Contribution ID: 4

Type: **not specified**

## Future hadron colliders

*Friday 7 December 2018 11:30 (20 minutes)*

**Presenter:** ABELLEIRA, Jose

**Session Classification:** Session 1 (Bourne Annexe): Chair: Stephen Gibson

Contribution ID: 5

Type: **not specified**

## **Impact of stray magnetic fields on low-emittance beam dynamics**

*Friday 7 December 2018 11:50 (20 minutes)*

**Presenter:** GOHIL, Chetan (University of Oxford (GB))

**Session Classification:** Session 1 (Bourne Annexe): Chair: Stephen Gibson

Contribution ID: 6

Type: **not specified**

## Low-latency beam feedbacks for e+e- colliders

*Friday 7 December 2018 12:10 (20 minutes)*

**Presenter:** BETT, Douglas Robert (CERN)

**Session Classification:** Session 1 (Bourne Annexe): Chair: Stephen Gibson

Contribution ID: 7

Type: **not specified**

## Status of CLARA and UK FEL plans

*Friday 7 December 2018 14:00 (20 minutes)*

**Presenter:** ANGAL-KALININ, Deepa (Daresbury Laboratory)

**Session Classification:** Session 2 (Moore Auditorium): Chair Ivan Konoplev



Contribution ID: 8

Type: **not specified**

## **Longitudinal beam profile diagnostics using coherent Cherenkov radiation at CLARA accelerator**

*Friday 7 December 2018 14:20 (20 minutes)*

**Presenter:** FEDOROV, Kirill (RHUL)

**Session Classification:** Session 2 (Moore Auditorium): Chair Ivan Konoplev

Contribution ID: 9

Type: **not specified**

## **Pulse compression, depletion and power amplification of a laser pulse driving a non-linear wakefield**

*Friday 7 December 2018 14:40 (20 minutes)*

**Presenter:** STREETER, Matthew (Imperial College London)

**Session Classification:** Session 2 (Moore Auditorium): Chair Ivan Konoplev

Contribution ID: **10**

Type: **not specified**

## **Towards high-repetition-rate plasma accelerators with HOFl channels**

*Friday 7 December 2018 15:00 (20 minutes)*

**Presenter:** Mr JONNERBY, Jakob (University of Oxford)

**Session Classification:** Session 2 (Moore Auditorium): Chair Ivan Konoplev

Contribution ID: **11**

Type: **not specified**

# Transparency of overdense foils to intense laser pulses

*Friday 7 December 2018 15:20 (20 minutes)*

**Presenter:** DITTER, Emma-Jane (Imperial College London)

**Session Classification:** Session 2 (Moore Auditorium): Chair Ivan Konoplev

Contribution ID: 12

Type: **not specified**

## **Measuring the radiation reaction of energetic electrons interacting with light**

*Friday 7 December 2018 15:40 (20 minutes)*

**Presenter:** GERSTMEYER, Elias (Imperial College London)

**Session Classification:** Session 2 (Moore Auditorium): Chair Ivan Konoplev

Contribution ID: 13

Type: **not specified**

## From particle physics to cancer therapy

*Friday 7 December 2018 16:30 (30 minutes)*

**Presenter:** DOSANJH, Manjit (CERN)

**Session Classification:** Session 3 (Moore Auditorium): Chair: Zulfikar Najmudin

Contribution ID: 14

Type: **not specified**

## **BDSIM applications for proton therapy**

*Friday 7 December 2018 17:00 (20 minutes)*

**Presenter:** SHIELDS, William (Royal Holloway, University of London)

**Session Classification:** Session 3 (Moore Auditorium): Chair: Zulfikar Najmudin

Contribution ID: 15

Type: **not specified**

## **LARA: a laser-based beamline for clinical applications**

*Friday 7 December 2018 17:20 (20 minutes)*

**Presenters:** KURUP, Ajit; KURUP, Ajit (Imperial College Sci., Tech. & Med. (GB))

**Session Classification:** Session 3 (Moore Auditorium): Chair: Zulfikar Najmudin



Contribution ID: 16

Type: **not specified**

## **From medical accelerators to frontier accelerators... and back again**

*Friday 7 December 2018 17:40 (20 minutes)*

**Presenter:** Dr SHEEHY, Suzie (University of Oxford and STFC/ASTeC/RAL)

**Session Classification:** Session 3 (Moore Auditorium): Chair: Zulfikar Najmudin