

**JAlfest 2015**

# **Report of Contributions**

Contribution ID: 0

Type: **not specified**

# Welcome

*Thursday 10 December 2015 09:30 (10 minutes)*

**Presenter:** Prof. SERVI, Andrei (John Adams Institute)

**Session Classification:** Session 1

Contribution ID: 1

Type: **not specified**

## **Latest progress toward high intensity FFAG accelerators**

*Thursday 10 December 2015 09:40 (20 minutes)*

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## **Generation of Laser Pulse Trains for Tests of Multi-Pulse Laser Wakefield Acceleration**

*Thursday 10 December 2015 10:00 (20 minutes)*

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

## **Radiation pressure driven ion acceleration in near critical density targets**

*Thursday 10 December 2015 10:20 (20 minutes)*

**Session Classification:** Session 1

Contribution ID: 4

Type: **not specified**

## **Coherent combination of fibre lasers: steps towards realistic applications**

*Thursday 10 December 2015 10:40 (20 minutes)*

**Session Classification:** Session 1

Contribution ID: 5

Type: **not specified**

## **Positron Acceleration in a Non-linear Ion-Wake Excited by Plasma Electron Wakefields**

*Thursday 10 December 2015 11:20 (20 minutes)*

**Session Classification:** Session 2

Contribution ID: 6

Type: **not specified**

## **High energy and high charge electron acceleration in self guided laser wakefield accelerators**

*Thursday 10 December 2015 11:40 (20 minutes)*

**Session Classification:** Session 2



Contribution ID: 7

Type: **not specified**

## **Pushing beam power boundaries in proton accelerators**

*Thursday 10 December 2015 12:00 (20 minutes)*

**Session Classification:** Session 2

Contribution ID: 8

Type: **not specified**

## **Quantitative single shot, spatially resolved plasma wakefield diagnostics**

*Thursday 10 December 2015 12:20 (20 minutes)*

**Session Classification:** Session 2

Contribution ID: 9

Type: **not specified**

## **Photoinjector Development at Daresbury Laboratory**

*Thursday 10 December 2015 12:40 (20 minutes)*

**Session Classification:** Session 2

Contribution ID: **10**

Type: **not specified**

## **FLASHForward –beam-driven wakefield acceleration at FLASH**

*Thursday 10 December 2015 13:45 (20 minutes)*

**Session Classification:** Session 3

Contribution ID: 11

Type: **not specified**

## **Status of the Diamond Light Source Upgrade**

*Thursday 10 December 2015 14:05 (20 minutes)*

**Session Classification:** Session 3

Contribution ID: 12

Type: **not specified**

## **Design, development and use of the spectrometer for investigating coherent THz radiation produced by micro-bunching instabilities at Diamond Light Source**

*Thursday 10 December 2015 14:25 (20 minutes)*

**Session Classification:** Session 3

Contribution ID: 13

Type: **not specified**

## **High Power THz generation using pre-bunched electron beams**

*Thursday 10 December 2015 14:45 (20 minutes)*

**Session Classification:** Session 3

Contribution ID: 14

Type: **not specified**

## **Single short Smith-Purcell diagnostics: concept and progress**

*Thursday 10 December 2015 15:05 (20 minutes)*

**Session Classification:** Session 3



Contribution ID: 15

Type: **not specified**

## **Development of room temperature THz detectors at RAL**

*Thursday 10 December 2015 15:25 (20 minutes)*

**Session Classification:** Session 3

Contribution ID: 16

Type: **not specified**

## **Status and developments for the Compact Linear Collider**

*Thursday 10 December 2015 16:10 (20 minutes)*

**Session Classification:** Session

Contribution ID: 17

Type: **not specified**

## **ProBE: Proton Boosting Extension for Imaging and Therapy**

*Thursday 10 December 2015 16:30 (20 minutes)*

**Session Classification:** Session

Contribution ID: **18**

Type: **not specified**

## **Continuous frequency scanning interferometry**

*Thursday 10 December 2015 16:50 (20 minutes)*

**Session Classification:** Session

Contribution ID: 19

Type: **not specified**

## **Advanced diagnostics at the HL-LHC, Linac4 and FETS**

*Thursday 10 December 2015 17:10 (20 minutes)*

**Session Classification:** Session

Contribution ID: 20

Type: **not specified**

## **Recent LHC BDSIM developments**

*Thursday 10 December 2015 17:30 (20 minutes)*

**Session Classification:** Session

Contribution ID: 21

Type: **not specified**

## **MICE status and plans**

*Thursday 10 December 2015 17:50 (20 minutes)*

**Session Classification:** Session