

**JAI Fest**

# **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Director's report

*Monday, December 4, 2023 10:00 AM (30 minutes)*

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

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## **The environmental impact of the ISIS-II Neutron and Muon Source**

*Monday, December 4, 2023 10:30 AM (20 minutes)*

**Presenter:** Dr WAKELING, Hannah (John Adams Institute, Oxford University)

**Session Classification:** Session 1

Contribution ID: 3

Type: **not specified**

# Head-Tail Instability Predictions for the ISIS Synchrotron

*Monday, December 4, 2023 10:50 AM (20 minutes)*

**Presenter:** POSTHUMA DE BOER, David

**Session Classification:** Session 1

Contribution ID: 4

Type: **not specified**

## **Development of beamlines for CERN's future fixed target experiments**

*Monday, December 4, 2023 3:50 PM (20 minutes)*

**Presenter:** STUMMER, Florian Wolfgang (University of London (GB))

**Session Classification:** Session 4

Contribution ID: 22

Type: **not specified**

## **The ZHI Laser - a 100Hz laser for laser-matter interactions**

*Monday, December 4, 2023 11:30 AM (20 minutes)*

**Presenter:** ETTLINGER, Oliver

**Session Classification:** Session 2

Contribution ID: 23

Type: **not specified**

## **Pulse characterisation techniques for multi-pulse laser plasma wakefield accelerators**

*Monday, December 4, 2023 11:50 AM (20 minutes)*

**Presenter:** WANG, Warren

**Session Classification:** Session 2

Contribution ID: 24

Type: **not specified**

## **Toward precise beam injection into the AWAKE experimen**

*Monday, December 4, 2023 2:00 PM (20 minutes)*

**Presenter:** BENCINI, Vittorio (John Adams Institute for Accelerator Science (GB))

**Session Classification:** Session 3



Contribution ID: 25

Type: **not specified**

## **Optimising electron beams from a laser wakefield accelerator using machine learning**

*Monday, December 4, 2023 12:10 PM (20 minutes)*

**Presenter:** BACKHOUSE, Michael (Imperial College London)

**Session Classification:** Session 2

Contribution ID: 27

Type: **not specified**

## **Cherenkov and High frequency Beam Position Monitors for the AWAKE common beamline**

*Monday, December 4, 2023 2:20 PM (20 minutes)*

**Presenters:** SPEAR, Bethany (University of Oxford/ JAI); SPEAR, Bethany (University of Oxford (GB))

**Session Classification:** Session 3

Contribution ID: 28

Type: **not specified**

## **Observation of electron energy loss in strong fields with Bayesian inference and model selection**

*Monday, December 4, 2023 12:30 PM (20 minutes)*

**Presenter:** LOS, Eva (Imperial College)

**Session Classification:** Session 2

Contribution ID: 29

Type: **not specified**

# Cherenkov diffraction radiation studies at Diamond Light Source

*Monday, December 4, 2023 2:40 PM (20 minutes)*

**Presenter:** CLAPP, Alec

**Session Classification:** Session 3

Contribution ID: **30**

Type: **not specified**

## **Design and testing of the CLIC Two Beam Module alignment systems**

*Monday, December 4, 2023 3:00 PM (20 minutes)*

**Presenter:** CAPSTICK, Matthew John (University of Oxford (GB))

**Session Classification:** Session 3

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TBC

Contribution ID: **31**

Type: **not specified**

**TBC**

**Session Classification:** Session 4

Contribution ID: 32

Type: **not specified**

## **On noise and perturbations for operating the latest generation of light sources**

*Monday, December 4, 2023 4:10 PM (20 minutes)*

**Presenter:** WILKES, Seb

**Session Classification:** Session 4

Contribution ID: 33

Type: **not specified**

## **Life after JAI**

*Monday, December 4, 2023 4:30 PM (20 minutes)*

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

**Session Classification:** Session 4



Contribution ID: **36**

Type: **not specified**

## **Welcome and unofficial JAI bingo**

*Monday, December 4, 2023 9:50 AM (10 minutes)*