

Advancing Radiobiology Technology (ART)

Report of Contributions

Contribution ID: 5

Type: **not specified**

Laser accelerated ion beams

Tuesday, 24 October 2023 11:30 (20 minutes)

Presenter: Prof. SCHRAMM, Ulrich (HZDR)

Session Classification: Novel accelerator systems

Contribution ID: 6

Type: **not specified**

Machine Learning for Accelerators

Tuesday, 24 October 2023 11:50 (20 minutes)

Presenter: Dr POLLARD, Amy

Session Classification: Novel accelerator systems

Contribution ID: 7

Type: **not specified**

State of the Art: Beam Instrumentation

Tuesday, 24 October 2023 12:10 (20 minutes)

Presenter: WELSCH, Carsten (University of Liverpool)

Session Classification: Novel accelerator systems

Contribution ID: 8

Type: **not specified**

Discussion

Tuesday, 24 October 2023 12:30 (15 minutes)

Session Classification: Novel accelerator systems

Contribution ID: 9

Type: **not specified**

Probing extreme high dose-rate radiobiology with laser-based approaches

Tuesday, 24 October 2023 10:05 (20 minutes)

Presenter: Prof. PRISE, Kevin (Queens University of Belfast)

Session Classification: Radiation biology and biophysics

Contribution ID: **10**

Type: **not specified**

Hadron Therapy for the UK

Tuesday, 24 October 2023 10:25 (20 minutes)

Presenter: Prof. GIACCA, Amato (Oxford/Stanford)

Session Classification: Radiation biology and biophysics

Contribution ID: 11

Type: **not specified**

Investigating the radiobiology of protons with increasing LET in head and neck tumour models

Tuesday, 24 October 2023 10:45 (20 minutes)

Presenter: PARSONS, Jason (University of Birmingham)

Session Classification: Radiation biology and biophysics

Contribution ID: 12

Type: **not specified**

Discussion

Tuesday, 24 October 2023 11:05 (15 minutes)

Session Classification: Radiation biology and biophysics

Contribution ID: 13

Type: **not specified**

Ion-acoustic imaging for eventual in-vitro and in-vivo dose mapping

Tuesday, 24 October 2023 13:30 (20 minutes)

Presenters: BAMBER, Jeffrey (Institute of Cancer Research); MAXOUTI, Maria (Imperial College London/STFC)

Session Classification: Novel instrumentation & computing

Contribution ID: 14

Type: **not specified**

Investigating chemical structure at high spatial resolution

Tuesday, 24 October 2023 13:50 (20 minutes)

Presenter: INGHAM, James (Liverpool)

Session Classification: Novel instrumentation & computing

Contribution ID: 15

Type: **not specified**

Proton Computed Tomography for Clinical Spot Scanning Systems

Tuesday, 24 October 2023 14:10 (20 minutes)

Presenter: PRICE, Tony (University of Birmingham)

Session Classification: Novel instrumentation & computing

Contribution ID: 16

Type: **not specified**

Discussion

Tuesday, 24 October 2023 14:30 (15 minutes)

Session Classification: Novel instrumentation & computing

Contribution ID: 17

Type: **not specified**

Exploration of distinct spatiotemporal dose distributions at LhARA

Tuesday, 24 October 2023 15:00 (20 minutes)

Presenter: Prof. PREZADO, Yolanda (CNRS Institut Curie)

Session Classification: Biomedical and clinical impact

Contribution ID: **18**

Type: **not specified**

Designing a radiobiology research facility

Tuesday, 24 October 2023 15:20 (20 minutes)

Presenter: Prof. KIRKBY, Karen (Manchester)

Session Classification: Biomedical and clinical impact

Contribution ID: 19

Type: **not specified**

A context for the clinical use of heavy ion therapy

Tuesday, 24 October 2023 15:40 (20 minutes)

Presenter: Prof. CRELLIN, Adrian (Leeds)

Session Classification: Biomedical and clinical impact

Contribution ID: 20

Type: **not specified**

Discussion

Tuesday, 24 October 2023 16:00 (15 minutes)

Session Classification: Biomedical and clinical impact