

# **LhARA Collaboration Meeting**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome and introduction

*Wednesday, 27 April 2022 10:30 (10 minutes)*

**Presenter:** LONG, Ken (Imperial Coll.)

**Session Classification:** Introduction

Contribution ID: 2

Type: **not specified**

## **Proposal: status and plans going forward**

*Wednesday, 27 April 2022 10:40 (10 minutes)*

**Presenter:** Dr WHYTE, Colin (Strathclyde)

**Session Classification:** Introduction

Contribution ID: 3

Type: **not specified**

## **Radiobiology: next steps for LhARA**

*Wednesday, 27 April 2022 10:50 (10 minutes)*

**Presenter:** Dr PARSONS, Jason (Liverpool)

**Session Classification:** Introduction

Contribution ID: 4

Type: **not specified**

## **ITRF and LhARA**

*Wednesday, 27 April 2022 11:00 (15 minutes)*

**Presenter:** Dr OWEN, Hywel (STFC)

**Session Classification:** Introduction

Contribution ID: 5

Type: **not specified**

## **Outreach, engagement, and PPI**

*Wednesday, 27 April 2022 13:00 (10 minutes)*

**Presenter:** Dr KURUP, Ajit (Imperial/STFC)

Contribution ID: 6

Type: **not specified**

## **Current status of ion source work package for LhARA**

*Wednesday, 27 April 2022 11:15 (20 minutes)*

**Presenter:** Dr DOVER, Nick (Imperial)

**Session Classification:** Laser-driven proton and ion source

Contribution ID: 7

Type: **not specified**

## **Underpinning ion source technologies and laser drivers**

*Wednesday, 27 April 2022 11:35 (20 minutes)*

**Presenter:** Dr GRAY, Ross (Strathclyde)

**Session Classification:** Laser-driven proton and ion source

Contribution ID: 8

Type: **not specified**

## **High-repetition rate laser-solid interactions: Automation, optimisation, challenges**

*Wednesday, 27 April 2022 11:55 (20 minutes)*

**Presenter:** Dr PALMER, Charlotte (Queens )

**Session Classification:** Laser-driven proton and ion source

Contribution ID: 9

Type: **not specified**

## Proposal update

*Wednesday, 27 April 2022 13:15 (20 minutes)*

**Presenter:** Dr BAKER, Chris (Swansea)

**Session Classification:** Proton and ion beam capture

Contribution ID: **10**

Type: **not specified**

## Ongoing experiments at Swansea

*Wednesday, 27 April 2022 13:35 (20 minutes)*

**Presenter:** DASCALU, Titus-Stefan (Imperial College London)

**Session Classification:** Proton and ion beam capture

Contribution ID: 11

Type: **not specified**

## Discussion

*Wednesday, 27 April 2022 13:55 (20 minutes)*

**Session Classification:** Proton and ion beam capture

Contribution ID: 12

Type: **not specified**

## LhARA Proposal overview

*Wednesday, 27 April 2022 16:30 (20 minutes)*

**Presenter:** Dr PASTERNAK, Jaroslaw (ICL/STFC)

**Session Classification:** Design and integration

Contribution ID: 13

Type: **not specified**

## Stage 1: Design & Tracking

*Wednesday, 27 April 2022 16:50 (20 minutes)*

**Presenter:** Dr SHIELDS, William (RHUL)

**Session Classification:** Design and integration

Contribution ID: 14

Type: **not specified**

## FFA for Stage 2: Design & Tracking

*Wednesday, 27 April 2022 17:10 (20 minutes)*

**Presenter:** LAGRANGE, Jean-Baptiste (STFC)

**Session Classification:** Design and integration

Contribution ID: 15

Type: **not specified**

## **WP4: Ion acoustic dose mapping:**

*Wednesday, 27 April 2022 14:15 (8 minutes)*

**Presenter:** Prof. BAMBER, Jeff (Institute for Cancer Research)

**Session Classification:** Ionacoustic imaging

Contribution ID: 16

Type: **not specified**

## Field standard dose measurement reference

*Wednesday, 27 April 2022 14:23 (8 minutes)*

**Presenter:** MATHESON, John (STFC)

**Session Classification:** Ionacoustic imaging

Contribution ID: 17

Type: **not specified**

## **Forward modelling and dose map reconstruction, overview**

*Wednesday, 27 April 2022 14:31 (8 minutes)*

**Presenter:** Prof. COX, Ben (UCL)

**Session Classification:** Ionacoustic imaging

Contribution ID: **18**

Type: **not specified**

## **Ionacoustic simulation, preliminary results**

*Wednesday, 27 April 2022 14:39 (15 minutes)*

**Presenter:** Ms MACINTOSH LAROCQUE, Anthea (ICL)

**Session Classification:** Ionacoustic imaging

Contribution ID: 19

Type: **not specified**

## **Long term vision for use and impact**

*Wednesday, 27 April 2022 14:54 (8 minutes)*

**Presenter:** Dr HARRIS, Emma (ICR)

**Session Classification:** Ionacoustic imaging

Contribution ID: **20**

Type: **not specified**

## Discussion

*Wednesday, 27 April 2022 15:02 (13 minutes)*

**Session Classification:** Ionacoustic imaging

Contribution ID: 21

Type: **not specified**

## Overview of WP5 proposal

*Wednesday, 27 April 2022 15:30 (20 minutes)*

**Presenter:** Dr PRICE, Tony (Birmingham)

**Session Classification:** Novel end-station development

Contribution ID: 22

Type: **not specified**

## **Novel end-station developments: development of beam diagnostics**

*Wednesday, 27 April 2022 15:50 (20 minutes)*

**Presenter:** Dr NARENDAR, Kumar (Liverpool)

**Session Classification:** Novel end-station development

Contribution ID: 23

Type: **not specified**

## **Spatial fractionation and beam monitoring at UoB**

*Wednesday, 27 April 2022 16:10 (20 minutes)*

**Presenter:** Dr PRICE, Tony (Birmghan)

**Session Classification:** Novel end-station development