

LhARA/ITRF: twelve month progress report

C. Baker¹, J. Bamber², W. Bertsche^{13,5}, N. Bliss³, E. Boella^{4,5}, N. Dover⁶, R. Gray^{7,5}, E. Harris²,
5 M. Johnson^{3,5}, K. Kirkby^{12,13,5}, A. Kurup^{6,8}, K.R. Long^{6,8}, R. Mclauchlan⁹, H. Owen^{3,5}, J.L. Parsons¹⁰,
J. Pasternak^{6,8}, T. Price¹¹, C. Whyte^{7,5}

to be updated

1. Department of Physics, Faculty of Science and Engineering, Swansea University, Singleton Park, Swansea, SA2 8PP
2. Institute of Cancer Research, UK
3. UKRI-STFC Daresbury Laboratory, Sci-Tech Daresbury, Daresbury, Warrington, WA4 4AD, UK
4. Lancaster University, UK
5. Cockcroft Institute, Sci-Tech Daresbury, Daresbury, Warrington, WA4 4AD, UK
6. John Adams Institute, Imperial College London, Exhibition Road, London, SW7 2AZ, UK
7. Department of Physics, SUPA, University of Strathclyde, 16 Richmond Street, Glasgow, G1 1XQ, UK
8. UKRI-STFC Rutherford Appleton Laboratory, Didcot, OX11 0QX, UK
9. Imperial College NHS Healthcare Trust, The Bays, South Wharf Road, St Mary's Hospital, London W2 1NY, UK
10. Institute of Cancer and Genomic Sciences, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK
11. School of Physics and Astronomy, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK
12. Division of Cancer Sciences, Faculty of Biology, Medicine and Health, The University of Manchester, The Christie Proton Therapy Centre, The Cristie NHS Foundation Trust, Wimslow Rd, Manchester M20 4BX
13. Department of Physics and Astronomy, The University of Manchester, Oxford Rd, Manchester, M13 9PL, UK

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Introduction

15 **Lead authors:** AG, KL, HO

0 Work package 0: Project management

Lead authors: NB, HO

1 Work package 1: LhARA

Lead author: AG, KL

20 1.1 Work package 1.1: Project Management

Lead author: CW

1.2 Work package 1.2: Laser-driven proton and ion source

Lead authors: EB, ND, RG

1.3 Work package 1.3: Proton and ion capture

25 **Lead authors:** CB, WB

1.4 Work package 1.4: Real-time dose-deposition profiling

Lead authors: JB, KL

1.5 Work package 1.5: Novel, automated end-station development

Lead authors: RMcL, TP

30 1.6 Work package 1.6: Facility design and integration

Lead authors: NB, JPa

2 Work package 2: Facilities and costing

Over the reporting period, work in work package 2 has focused on the development of conceptual designs for the LhARA infrastructure. The work performed is summarised in section 1.6.

35 **3 Work package 3: Conventional technology**

Lead author: KK