

Laser-hybrid Accelerator for Radiobiological Applications (LhARA)

The LhARA collaboration

1 nan

2 Patrick G Johnston Centre for Cancer Research, Queens University Belfast, 97 Lisburn Road, Belfast, BT9 7AE

3 School of Mathematics and Physics, Queen's University Belfast, University Road, Belfast, BT7 1NN, Northern Ireland, UK

4 Dept of Medical Physics and Biomedical Engineering, University College London, WC1E 6BT

5 Department of Medical Physics, University Hospital Birmingham Foundation NHS Trust, Edgbaston, Birmingham, B15 2TH

6 Department of Cancer and Genomic Sciences, College of Medicine and Health, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK

7 School of Physics and Astronomy, University of Birmingham, Edgbaston, Birmingham, B15 2TT, UK

8 DG Unit, CERN, CH-1211 Geneva 23, Switzerland

9 Cockcroft Institute, Sci-Tech Daresbury, Keckwick Lane, Warrington WA4 4AD, UK

10 Department of Physics, Lancaster University, Bailrigg, Lancaster LA1 4YW, UK

11 Department of Physics, University of Liverpool, Liverpool L69 7ZE, UK

12 Department of Physics and Astronomy, The University of Manchester, Oxford Rd, Manchester, M13 9PL, UK

13 Department of Physics, SUPA, University of Strathclyde, Glasgow G4 0NG, UK

14 University of Strathclyde and Cockcroft Institute for Accelerator Science, Daresbury

15 Central Laser Facility, STFC Rutherford Appleton Laboratory, Harwell Oxford, Didcot OX11 0QX, UK

16 Christie NHS Foundation Trust, Wilmslow Rd, Manchester, M20 4BX

17 Corerain Technologies, 14F, Changfu Jinmao Building (CFC), Trade-free Zone, Futian District, Shenzhen, Guangdong, China

18 Berkeley, USA

19 Imperial College London, CRUK PPI group, Charing Cross Hospital, London W6 8RF

20 The Institute of Cancer Research, 123 Old Brompton Road, London, SW7 3RP, UK

21 INFN Catania, Via Santa Sofia, 64 - 95123 Catania - Italy

22 STFC Rutherford Appleton Laboratory, Harwell Oxford, Didcot OX11 0QX, UK

23 Department of Surgery and Cancer, Imperial College, Hammersmith Hospital London W12 0NN

24 Department of Aeronautics, Imperial College London, Exhibition Road, London SW7 2AZ, UK

25 Department of Computing, Imperial College London, Exhibition Road, London SW7 2AZ

26 Dept. Radiation Physics and Radiobiology, Imperial College Healthcare NHS Trust, London, UK

27 Imperial College NHS Healthcare Trust, The Bays, South Wharf Road, St Mary's Hospital, London W2 1NY, UK

28 Department of Physics, Imperial College London, Exhibition Road, London SW7 2AZ, UK

29 Institut Curie-Orsay Research Center, Bat a Campus d'Orsay, 91400 Orsay, France

30 The John Adams Institute for Accelerator Science, Department of Physics, Imperial College London, Exhibition Road, London SW7 2AZ, UK

31 John Adams Institute, University of Oxford, Keble Rd, Oxford, OX1 3RH.

32 John Adams Institute, Royal Holloway University of London

33 Department of Physics, Royal Holloway University of London, Egham, Surrey, TW20 0EX, UK

34 The John Adams Institute for Accelerator Science, Department of Physics, Imperial College London, Exhibition Road, London SW7 2AZ, UK

35 John Adams Institute, University of Oxford, Keble Rd, Oxford, OX1 3RH.

36 Leo Cancer Care, Broadview, Windmill Hill, Hailsham, East Sussex, BN27 4RY, UK

37 Institute of Systems, Molecular and Integrative Biology, University of Liverpool, Biosciences Building, Crown Street, Liverpool L69 7BE

38 Department of Physics, University of Liverpool, Liverpool L69 7ZE, UK

39 Division of Cancer Sciences, Faculty of Biology, Medicine and Health, The University of Manchester, The Christie Proton Therapy Centre, The Christie NHS Foundation Trust, Wimslow Rd, Manchester M20 4BX

40 Maxeler Technologies Limited, 3 Hammersmith Grove, London W6 0ND, UK

41 National Physical Laboratory, Hampton Road, Teddington, TW11 0LW, UK

42 Department of Materials, University of Oxford, Parks Road, Oxford OX1 3PH, UK

- 43 Department of Oncology, University of Oxford, Old Road Campus Research Building, Roosevelt Drive, Oxford, OX3 7DQ, UK
- 44 Particle Physics, Denys Wilkinson Building, Keble Rd, Oxford, OX1 3RH
- 45 Particle Physics Department, STFC Rutherford Appleton Laboratory, Harwell Oxford, Didcot OX11 0QX, UK
- 46 Department of Physics, Imperial College London, Exhibition Road, London SW7 2AZ, UK
- 47 Department of Physics, University of Surrey, 388 Stag Hill, Guildford, GU2 7XH, UK
- 48 School of Physical and Chemical Sciences, Queen Mary University of London, Mile End, London E1 4NS, UK
- 49 Rosalind Franklin Institute, Harwell Campus, Didcot, OX11 0QX, UK
- 50 STFC Daresbury Laboratory, Daresbury, Cheshire, WA4 4AD, UK
- 51 Central Laser Facility, STFC Rutherford Appleton Laboratory, Harwell Oxford, Didcot OX11 0QX, UK
- 52 ISIS Neutron and Muon Source, STFC Rutherford Appleton Laboratory, Harwell Oxford, Didcot OX11 0QX, UK
- 53 Particle Physics Department, STFC Rutherford Appleton Laboratory, Harwell Oxford, Didcot OX11 0QX, UK
- 54 STFC Daresbury Laboratory, Daresbury, Cheshire, WA4 4AD, UK
- 55 Department of Radiation Oncology, Stanford University, Stanford, CA 94305, USA
- 56 Department of Physics, SUPA, University of Strathclyde, Glasgow G4 0NG, UK
- 57 Department of Biomedical Sciences, Faculty of Science and Engineering, Swansea University, Singleton Park, Swansea, SA2 8PP
- 58 Department of Physics, Faculty of Science and Engineering, Swansea University, Singleton Park, Swansea, SA2 8PP
- 59 University of Santiago de Compostela, Center for Research in Molecular Medicine and Chronic diseases, 15782, Santiago de Compostela, Spain
- 60 Institut Curie, Universit PSL, CNRS UMR3347, Inserm U1021, Signalisation Radiobiologie et Cancer, 91400 Orsay, France