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LhARA: The Laser-hybrid Accelerator for Radiobiological Applications

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2 ABSTRACT

3 Lead author: KL

4 Text.

5 **Lay summary**

6 **Lead author:** TBD

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8 **Keywords:** Keyword, keyword, keyword, keyword, keyword, keyword, keyword, keyword

1 INTRODUCTION

9 **Lead author:** KL

10 Text.

2 MOTIVATION

11 **Lead author:** JPar

12 Text.

3 LHARA FACILITY

13 “Overview para” **Lead author:** JPa

14 **3.1 Laser-driven proton and ion source**

15 **Lead author:** OE

16 **3.2 Proton and ion capture**

17 **Lead author:** CW

18 **3.3 Beam transport and delivery to the low-energy in-vitro end station**

19 **Lead author:** WS

20 **3.4 Post-acceleration and beam delivery to the in vitro and in vivo end stations**

21 **Lead author:** JPa

22 **3.5 Instrumentation**

23 **Lead author:** JM

24 **3.6 Biological end stations**

25 **Lead author:** JH

26 **3.7 Infrastructure and integration**

27 **Lead author:** GA

4 PERFORMANCE

28 **Lead author:** AK, HTL

29 Text.

5 CONCLUSIONS

30 **Lead author:** KL, JPar

31 Text.

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