

# LhARA- Baseline

<https://ccap.hep.ph.ic.ac.uk/trac/raw-attachment/wiki/Communication/Notes/CCAP-TN-11-LhARA-Design-Baseline.pdf>

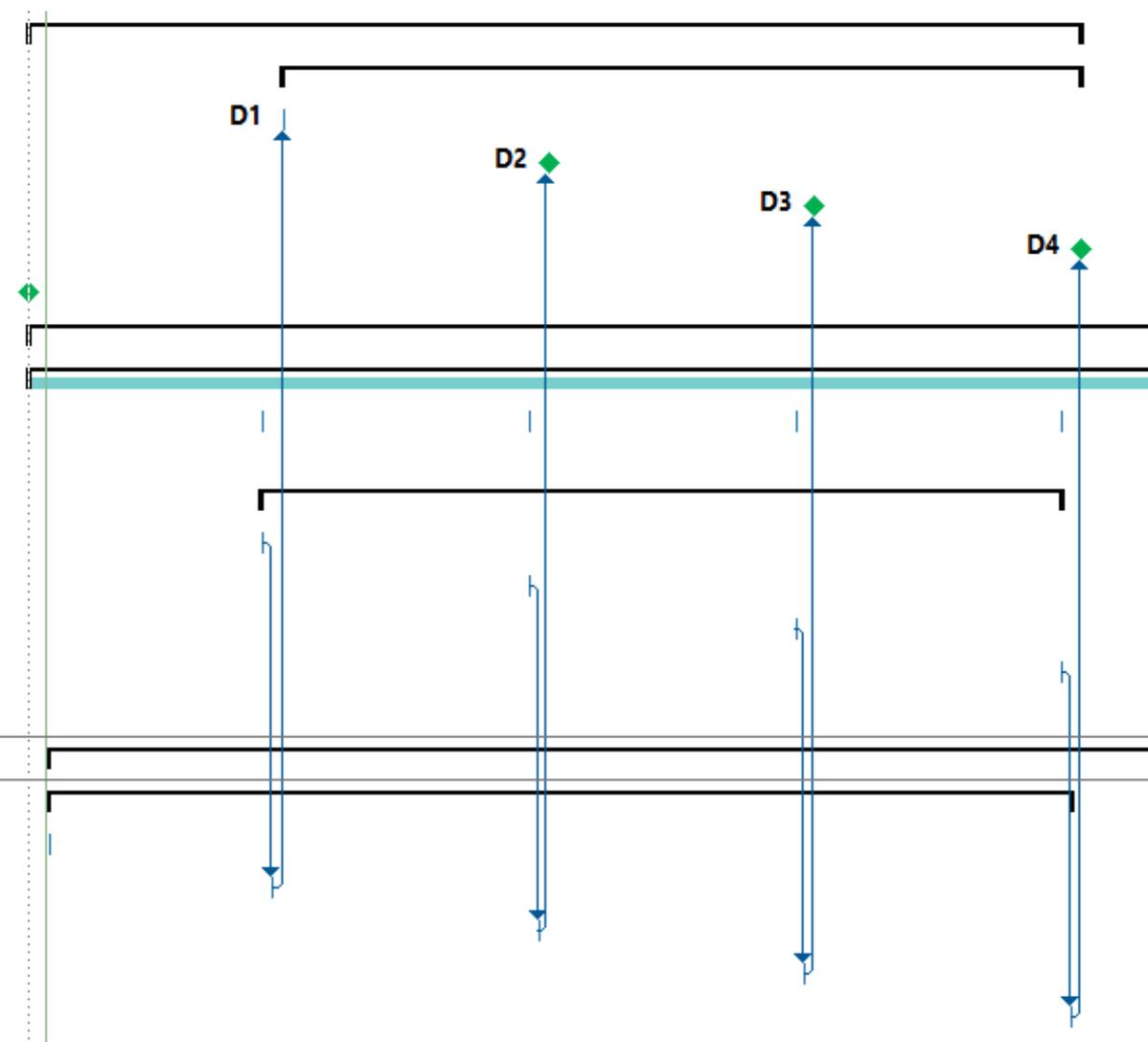
This document defines all LhARA parameters.

Variation/change occurs through discussion at Collaboration meetings

# Deliverables

| Task Name                          | Work Package | Start               | Finish              |
|------------------------------------|--------------|---------------------|---------------------|
| <b>Year 1&amp;2</b>                | <b>WP1</b>   | <b>Thu 23/03/23</b> | <b>Thu 19/09/24</b> |
| <b>Early Progress Review CDR</b>   | <b>WP1</b>   | <b>Thu 23/03/23</b> | <b>Thu 23/03/23</b> |
| <b>Interim Progress Review CDR</b> | <b>WP1</b>   | <b>Thu 21/09/23</b> | <b>Thu 21/09/23</b> |
| <b>Pre-CDR Review</b>              | <b>WP1</b>   | <b>Thu 21/03/24</b> | <b>Thu 21/03/24</b> |
| <b>CDR</b>                         | <b>WP1</b>   | <b>Thu 19/09/24</b> | <b>Thu 19/09/24</b> |

|   |     |              |              |
|---|-----|--------------|--------------|
| ▸ <b>Project Deliverables</b>                                 | WP1 | Sat 01/10/22 | Thu 19/09/24 |
| ▸ <b>Year 1&amp;2</b>   | WP1 | Thu 23/03/23 | Thu 19/09/24 |
| <b>Early Progress Review CDR</b>                              | WP1 | Thu 23/03/23 | Thu 23/03/23 |
| <b>Interim Progress Review CDR</b>                            | WP1 | Thu 21/09/23 | Thu 21/09/23 |
| <b>Pre-CDR Review</b>   | WP1 | Thu 21/03/24 | Thu 21/03/24 |
| <b>CDR</b>  | WP1 | Thu 19/09/24 | Thu 19/09/24 |
| ▸ <b>Year 3-5</b>   | WP1 | Sat 01/10/22 | Sat 01/10/22 |
| ▸ <b>Tasks</b>  | WP1 | Sat 01/10/22 | Thu 30/09/27 |
| ▸ <b>Task1 : LhARA Project Management - monitoring c</b>      | WP1 | Sat 01/10/22 | Thu 30/09/27 |
| ▸ <b>Internal Reporting / input to LhARA progress reports</b> | WP1 | Fri 14/10/22 | Wed 15/09/27 |
| ▸ <b>Year 1&amp;2</b>   |     | Thu 09/03/23 | Thu 05/09/24 |
| Internal Reporting / input to LhARA p                         |     | Thu 09/03/23 | Thu 09/03/23 |
| Internal Reporting / input to LhARA p                         |     | Thu 07/09/23 | Thu 07/09/23 |
| Internal Reporting / input to LhARA p                         |     | Thu 07/03/24 | Thu 07/03/24 |
| Internal Reporting / input to LhARA p                         |     | Thu 05/09/24 | Thu 05/09/24 |
| ▸ <b>Year 3-5</b>   |     | Fri 04/04/25 | Wed 15/09/27 |
| ▸ <b>LhARA Collaboration meetings</b>                         |     | Fri 14/10/22 | Thu 01/07/27 |
| ▸ <b>Years 1&amp;2</b>  |     | Fri 14/10/22 | Wed 11/09/24 |
| Collaboration meeting 1 - Kick-off                            |     | Fri 14/10/22 | Fri 14/10/22 |
| Collaboration Meeting 2                                       |     | Wed 15/03/23 | Wed 15/03/23 |
| Collaboration Meeting 3                                       |     | Wed 13/09/23 | Wed 13/09/23 |
| Collaboration Meeting 4                                       |     | Wed 13/03/24 | Wed 13/03/24 |
| Collaboration Meeting 5                                       |     | Wed 11/09/24 | Wed 11/09/24 |



# Collaboration meetings

| Task Name                          | Work Package | Start               | Finish              |
|------------------------------------|--------------|---------------------|---------------------|
| <b>Years 1&amp;2</b>               |              | <b>Fri 14/10/22</b> | <b>Wed 11/09/24</b> |
| Collaboration meeting 1 - Kick-off |              | Fri 14/10/22        | Fri 14/10/22        |
| Collaboration Meeting 2            |              | Wed 15/03/23        | Wed 15/03/23        |
| Collaboration Meeting 3            |              | Wed 13/09/23        | Wed 13/09/23        |
| Collaboration Meeting 4            |              | Wed 13/03/24        | Wed 13/03/24        |
| Collaboration Meeting 5            |              | Wed 11/09/24        | Wed 11/09/24        |

|   |            |                     |                     |  |
|---|------------|---------------------|---------------------|--|
| <b>M5.1. Initial report on the user requirements for the in-vitro and in-vivo end stations.</b>                                       | <b>WP5</b> | <b>Fri 31/03/23</b> | <b>Fri 31/03/23</b> |  |
| <b>M3.1 Validate plasma simulations with existing Swansea experimental set-up</b>   | <b>WP3</b> | <b>Mon 03/04/23</b> | <b>Mon 03/04/23</b> |  |
| <b>M6.1: Early review of R&amp;D work towards LhARA CDR (6 months)</b>  | <b>WP6</b> | <b>Mon 03/04/23</b> | <b>Mon 03/04/23</b> |  |
|   |            |                     |                     |  |
| <b>M5.2. Report on the beam-monitoring technology for LhARA.</b>  | <b>WP5</b> | <b>Fri 29/09/23</b> | <b>Fri 29/09/23</b> |  |
| <b>M2.1: Prediction of optimised proton source parameters for 100+ TW laser systems based on hydrodynamic and kinetic simulations</b> | <b>WP2</b> | <b>Sun 01/10/23</b> | <b>Sun 01/10/23</b> |  |
| <b>M6.2: Interim review of R&amp;D work towards LhARA CDR (12 months)</b>   | <b>WP6</b> | <b>Mon 02/10/23</b> | <b>Mon 02/10/23</b> |  |
|   |            |                     |                     |  |
| <b>M2.2: First SCAPA ion source simulations and experiment completed.</b>   | <b>WP2</b> | <b>Mon 01/04/24</b> | <b>Mon 01/04/24</b> |  |
| <b>M5.3. Second report on the user requirements for the in-vitro and in-vivo end stations.</b>  | <b>WP5</b> | <b>Sat 30/03/24</b> | <b>Sat 30/03/24</b> |  |
| <b>M3.2 Progress report of large diameter plasma experiments and simulations</b>  | <b>WP3</b> | <b>Mon 01/04/24</b> | <b>Mon 01/04/24</b> |  |
| <b>M6.3: Final review of R&amp;D work towards LhARA CDR (18 months)</b>   | <b>WP6</b> | <b>Tue 02/04/24</b> | <b>Tue 02/04/24</b> |  |
| <b>M4.1 Geant4 simulations of beam energy deposition profile</b>  | <b>WP4</b> | <b>Mon 01/04/24</b> | <b>Mon 01/04/24</b> |  |
|   |            |                     |                     |  |
| <b>M3.3 Next generation plasma lens testbench design</b>  | <b>WP3</b> | <b>Mon 30/09/24</b> | <b>Mon 30/09/24</b> |  |
| <b>M4.2 Acoustic sensor array design</b>  | <b>WP4</b> | <b>Mon 30/09/24</b> | <b>Mon 30/09/24</b> |  |

# Monthly Report to PRC/IF

WPMs report to me

LhARA reports to ITRF

ITRF reports to DL

DL delivers overall report

One simple form addressing

- progress to date highlights, upcoming tasks
- Risk & Issues
- Spend – this will be linear for almost all Unis. Those with equipment/facilities may need to present that spend.

| ID  | Task Name   | Work Package | Start        | 2022   |   |   |              |   |   |              |   |   |              |   |   | 2023         |   |   |      |   |   |      |   |   |      |   |   | 2024 |   |   |   |   |   |   |   |   |   |   |   |
|-----|---|--------------|--------------|--|---|---|--------------|---|---|--------------|---|---|--------------|---|---|--------------|---|---|------|---|---|------|---|---|------|---|---|------|---|---|---|---|---|---|---|---|---|---|---|
|     |   |              |              | 2022   |   |   | Half 1, 2023 |   |   | Half 2, 2023 |   |   | Half 1, 2024 |   |   | Half 2, 2024 |   |   | 2024 |   |   | 2025 |   |   | 2026 |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
|     |   |              |              | O  | N | D | J            | F | M | A            | M | J | J            | A | S | O            | N | D | J    | F | M | A    | M | J | J    | A | S | O    | N | D | J | F | M | A | M | J | J | A | S |
| 2   | <b>WP1 Project Management</b>   | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 3   | <b>Project Deliverables</b>   | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 4   | <b>Year 1&amp;2</b>   | WP1          | Thu 23/03/23 | [Timeline bar from Thu 23/03/23 to Thu 23/03/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 5   | <b>Early Progress Review CDR</b>  | WP1          | Thu 23/03/23 | [Timeline bar from Thu 23/03/23 to Thu 23/03/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 6   | <b>Interim Progress Review CDR</b>  | WP1          | Thu 21/09/23 | [Timeline bar from Thu 21/09/23 to Thu 21/09/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 7   | <b>Pre-CDR Review</b>   | WP1          | Thu 21/03/24 | [Timeline bar from Thu 21/03/24 to Thu 21/03/24] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 8   | <b>CDR</b>  | WP1          | Thu 19/09/24 | [Timeline bar from Thu 19/09/24 to Thu 19/09/24] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 9   | <b>Year 3-5</b>   | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 16  | <b>Tasks</b>  | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 17  | Task1 : LhARA Project Management - monitoring of schedule, cost and risk. | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 18  | <b>Internal Reporting / input to LhARA progress reports</b>               | WP1          | Fri 14/10/22 | [Timeline bar from Fri 14/10/22 to Fri 14/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 47  | <b>LhARA Project Group meeting (WPM)</b>                                  | WP1          | Tue 04/10/22 | [Timeline bar from Tue 04/10/22 to Tue 04/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 168 | <b>Insitute board meetings</b>  | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 182 | <b>Project Office admin focused meeting</b>                               | WP1          | Mon 10/10/22 | [Timeline bar from Mon 10/10/22 to Mon 10/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 243 | Task 2: Outreach and engagement   | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 244 | <b>Peer group and stakeholder consultation</b>                            | WP1          | Thu 12/01/23 | [Timeline bar from Thu 12/01/23 to Thu 12/01/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 245 | <b>Stakeholder an Peer group consultation</b>                             | WP1          | Thu 12/01/23 | [Timeline bar from Thu 12/01/23 to Thu 12/01/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 250 | <b>Outreach</b>   | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 257 | <b>Insitute board meetings</b>  | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 290 | <b>Executive Board Meeting</b>  | WP1          | Thu 06/10/22 | [Timeline bar from Thu 06/10/22 to Thu 06/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 343 | Task 3: Reporting to ITRF   | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 344 | <b>Reporting</b>  | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 345 | <b>Preparation of deliverables</b>  | WP1          | Mon 27/02/23 | [Timeline bar from Mon 27/02/23 to Mon 27/02/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 346 | <b>Year 1&amp;2</b>   | WP1          | Mon 27/02/23 | [Timeline bar from Mon 27/02/23 to Mon 27/02/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 347 | Preparation for D1  | WP1          | Mon 27/02/23 | [Timeline bar from Mon 27/02/23 to Mon 27/02/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 348 | Preparation for D2  | WP1          | Thu 31/08/23 | [Timeline bar from Thu 31/08/23 to Thu 31/08/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 349 | Preparation for D3  | WP1          | Wed 28/02/24 | [Timeline bar from Wed 28/02/24 to Wed 28/02/24] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 350 | Preparation for D4  | WP1          | Wed 26/06/24 | [Timeline bar from Wed 26/06/24 to Wed 26/06/24] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 351 | <b>Year 3-5</b>   | WP1          | Wed 30/08/23 | [Timeline bar from Wed 30/08/23 to Wed 30/08/23] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 362 | <b>STFC Project Risk Committee</b>  | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 363 | <b>Year 1&amp;2</b>   | WP1          | Fri 04/11/22 | [Timeline bar from Fri 04/11/22 to Fri 04/11/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 364 | <b>LhARA input to ITRF PRC</b>  | WP1          | Fri 04/11/22 | [Timeline bar from Fri 04/11/22 to Fri 04/11/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |
| 389 | <b>Year 3-5</b>   | WP1          | Sat 01/10/22 | [Timeline bar from Sat 01/10/22 to Sat 01/10/22] |   |   |              |   |   |              |   |   |              |   |   |              |   |   |      |   |   |      |   |   |      |   |   |      |   |   |   |   |   |   |   |   |   |   |   |

# Project Structure

WP1 will organise

- Collaboration meetings, project office.
- Deliverables, reporting to ITRF
- Outreach, Institute and Executive Board meetings
  - All goes on the Wiki.
- Bi-weekly WPM meeting.
- Bi-weekly Consortium meeting

WPMs to organise:

- Meetings on 2 weekly basis (or more often if you need it)
  - Agenda on Wiki – advertise time and date to Collaboration
  - Minutes on Wiki

- [Research/DesignStudy/ITRF/Documents/PA1](#)
- [Research/DesignStudy/ITRF/Documents/PA2?](#)
- [Research/DesignStudy/ITRF/Documents/Construction?](#)

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Attach file

# LhARA Wiki



- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1](#) LhARA Project management
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.2](#) Laser driven proton and ion source
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.3](#) Proton and ion capture
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.4](#) Ion-acoustic dose mapping
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.5](#) Novel end-station development
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.6](#) Design and Integration
- [\(wp0\)](#) ITRF Project Mangement
- [Research/DesignStudy/ITRF/Documents/PA1/wp2](#) ITRF Facilities and Costing work package management
- [Research/DesignStudy/ITRF/Documents/PA1/wp3](#) Conventional Technology work package management
- [Research/DesignStudy/ITRF/Documents/PA1/she?](#) Safety Health and Environment
- [Research/DesignStudy/ITRF/Documents/PA1/CERN?](#) CERN
- [Research/DesignStudy/ITRF/Documents/PA1/ac](#) Advisory Committee
- [Research/DesignStudy/ITRF/Documents/PA1/Para?](#) LhARA Parameters
- [Research/DesignStudy/ITRF/Documents/PA1/CDR?](#) Conceptual Design Review
- [Research/DesignStudy/ITRF/Documents/PA1/ITRF?](#) Documents copied to ITRF Server

- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/agn](#) Agendas
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/cal?](#) Calculations
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/code?](#) computer program/code/source etc.
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/dsn?](#) Design Notes
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/dwg?](#) Drawings
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/est?](#) Estimates
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/fig?](#) Figures
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/fin?](#) Finance
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/fea?](#) Finite Element Analysis
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/form?](#) Forms and templates
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/min?](#) Minutes
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/misc?](#) Miscellaneous
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/news?](#) Bulletins/newsletters
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/pho?](#) Photographs
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/pmp?](#) Project plans
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/proc?](#) Procurement
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/prop?](#) Proposals
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/prs?](#) Presentations
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/ppl?](#) Project plans (schedules)
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/press?](#) Press notes
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/qual?](#) Quality Assurance
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/ref?](#) Referecen documentation
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/res?](#) Resources
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/rev?](#) reviews
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/risk?](#) risk management
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/rpt](#) Reports
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/sch?](#) schematics
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/spec?](#) Specifications
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/str?](#) Strategy
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/tbl?](#) Table
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/tn?](#) Technical Note
- [Research/DesignStudy/ITRF/Documents/PA1/WP1.1/tend?](#) Tender Documentation

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## 2nd Stage – Preliminary Activity 2

- Preparation ~ 18 month point
- Match to known ‘bid opportunities’
- Account for delay between proposal submission and receipt of funds

# LhARA Review

## Review of the collaboration's "R&D proposal for the preliminary and pre-construction phases"

### Review panel

The review is being organised under the auspices of the [CCAP International Advisory Board](#). The review panel is made up of the CCP IAB Board:

- ⇒ [Mile Lamont \(CERN\)](#) (Chair);
- ⇒ [Michael Baumann \(DKFZ\)](#);
- ⇒ [Paul Bolton \(LMU\)](#);
- ⇒ [Brita Singers Sørensen \(Aarhus\)](#); and

Expert reviewers:

- [Gianluigi Arduini \(CERN\)](#)
- [Christian Carli \(CERN\)](#)
- ⇒ [Malek Haj-Tahar \(PSI\)](#)

### Terms of reference

[Terms of reference](#)

### Meetings

Next meeting:

[26/27 October 2022](#)

30Aug22:

⇒ <https://indico.cern.ch/event/1194925/> (Access code: CCAP3008)

[02Sep22](#): Preliminary notes prepared by KL following a meeting with G.Arduini and P.Bolton to consider the next steps in the review.

1<sup>st</sup> session – 30<sup>th</sup> August 2022

2<sup>nd</sup>, 3<sup>rd</sup> sessions 26<sup>th</sup> and 27<sup>th</sup> October

<https://ccap.hep.ph.ic.ac.uk/trac/wiki/Research/DesignStudy/Reviews/AugSep22/Review>