

ID	Outlin Numb	Task Name	Start	Finish																																						
					1, 2022	Half 2, 2022			Half 1, 2023			Half 2, 2023			Half 1, 2024			Half 2, 2024			Half 1, 2025			Half 2, 2025			Half 1, 2026			Half 2, 2026			Half 1, 2027									
					M	M	J	S	N	J	M	M	J	S	N	J	M	M	J	S	N	J	M	M	J	S	N	J	M	M	J	S	N	J	M	M	J	S	N	J	M	M
1	1	LhARA	Tue 03/08/21	Fri 30/04/27	[Purple bar]																																					
2	1.1	Proposal	Tue 03/08/21	Fri 01/04/22	[Purple bar]																																					
146	1.2	LhARA Project	Fri 01/04/22	Fri 30/04/27	[Purple bar]																																					
147	1.2.1	Launch of LhARA project	Fri 01/04/22	Fri 01/04/22	◆ 01/04																																					
148	1.2.2	Conceptual Design Report for the facility	Sun 31/03/24	Sun 31/03/24	◆ 31/03																																					
149	1.2.3	Technical Design Report (TFD2) for Stage 2	Wed 31/03/27	Wed 31/03/27	◆ 31/03																																					
150	1.2.4	Technical Design Report for Stage 1	Mon 31/03/25	Mon 31/03/25	◆ 31/03																																					
151	1.2.5	WP1 Project Management	Fri 01/04/22	Fri 30/04/27	[Purple bar]																																					
728	1.2.6	WP2 Source	Wed 01/06/22	Wed 14/04/27	[Purple bar]																																					
794	1.2.7	WP3 Capture	Fri 01/04/22	Wed 14/04/27	[Purple bar]																																					
822	1.2.8	WP4 Ion-acoustic	Fri 01/04/22	Wed 14/04/27	[Purple bar]																																					
823	1.2.8.	Preliminary activity (PA)	Fri 01/04/22	Mon 31/03/25	[Purple bar]																																					
824	1.2.8.	task 1 - review- current state of the art : ionacoustics.proton dosimetry	Fri 01/04/22	Thu 30/06/22	[Pink bar]																																					
825	1.2.8.	Task 2 development of GEANT 4 Monte Carlo part of the forward model	Fri 01/07/22	Mon 31/03/25	[Pink bar]																																					
826	1.2.8.	Task 3 development of k-Wave forward acoustic model	Sat 01/10/22	Sun 31/03/24	[Pink bar]																																					
827	1.2.8.	task 5 assembly of apparatus for validation of models and approach	Fri 01/04/22	Mon 30/10/23	[Pink bar]																																					
828	1.2.8.	Task 6 forward model validation experiments	Sun 01/10/23	Mon 30/09/24	[Pink bar]																																					
829	1.2.8.	Preconstruction programme	Mon 01/04/24	Wed 14/04/27	[Purple bar]																																					
830	1.2.8.	Task 4. implementation, simulation evaluation and development of inverse dose-map reconstruction software	Sun 01/10/23	Wed 31/12/25	[Pink bar]																																					
831	1.2.8.	Task 7 assembly and integration of dosimeters for use in radiobiological studies	Sun 01/10/23	Tue 30/06/26	[Pink bar]																																					
832	1.2.8.	Task 8 acoustically compatible biological sample holders for high -throughput radiobiological studies	Sat 01/04/23	Wed 31/03/27	[Pink bar]																																					
833	1.2.8.	Task 9 Final experiments with LhARA	Sun 01/06/25	Mon 01/03/27	[Pink bar]																																					
834	1.2.8.	Reporting	Thu 29/09/22	Wed 14/04/27	[Purple bar]																																					
835	1.2.8.	Deliverable 1	Thu 29/09/22	Wed 12/10/22	[Pink bar]																																					
836	1.2.8.	Deliverable 2	Mon 03/04/23	Thu 13/04/23	[Pink bar]																																					
837	1.2.8.	Deliverable 3	Mon 02/10/23	Fri 13/10/23	[Pink bar]																																					
838	1.2.8.	Deliverable 4	Mon 01/04/24	Thu 11/04/24	[Pink bar]																																					
839	1.2.8.	Deliverable 5	Mon 23/09/24	Fri 04/10/24	[Pink bar]																																					
840	1.2.8.	Deliverable 6	Tue 01/04/25	Mon 14/04/25	[Pink bar]																																					
841	1.2.8.	Deliverable 7	Thu 02/10/25	Wed 15/10/25	[Pink bar]																																					
842	1.2.8.	Deliverable 8	Wed 01/04/26	Tue 14/04/26	[Pink bar]																																					
843	1.2.8.	Deliverable 9	Fri 02/10/26	Thu 15/10/26	[Pink bar]																																					
844	1.2.8.	Deliverable 10	Thu 01/04/27	Wed 14/04/27	[Pink bar]																																					
845	1.2.8.	Facility construction	Tue 01/07/25	Wed 31/03/27	[Pink bar]																																					
846	1.2.8.	facility exploitation			[Pink bar]																																					
847	1.2.9	WP5 Vertical Beamline	Fri 01/04/22	Wed 31/03/27	[Pink bar]																																					

Project: LhARA1- DK  
Date: Mon 28/02/22

Task		Project Summary		Manual Task		Start-only		Deadline	
Split		Inactive Task		Duration-only		Finish-only		Progress	
Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress	
Summary		Inactive Summary		Manual Summary		External Milestone			