

AWAKE Collaboration Meeting CERN, 6 – 8 November 2024

Agenda

Wed, 6 Nov 2024

Welcome	Edda Gschwendtner
6/2-004, CERN	14:00 - 14:10
Introduction	Patric Muggli
6/2-004, CERN	14:15 - 14:30
Summary of run 2024	Dr Michele Bergamaschi
6/2-004, CERN	14:30 - 14:45
Operation of the electron beam for acceleration, and SM and hosing seeding	Nikita Zena van Gils
6/2-004, CERN	14:50 - 15:05
Measurement of the effect of the plasma density step on el∕ ≏tron energy gain	Fern Elizabeth Pannell
6/2-004, CERN	15:10 - 15:25
Discussion	
6/2-004, CERN	15:25 - 15:40
Coffee Break	
6/2-004, CERN	15:40 - 16:00
Seeding of SM as a function of p+ bunch and plasma parameters	Jan Pucek
6/2-004, CERN	16:00 - 16:20
6/2-004, CERN Discussion 6/2-004, CERN Coffee Break 6/2-004, CERN Seeding of SM as a function of p+ bunch and plasma parameters 6/2-004, CERN Validation of the "plasma light" diagnostic and measurement of SM growth	Jan Aaron Mezger
6/2-004, CERN	16:25 - 16:40
Measurement of SM growth from radius of beam halo	Arthur Clairembaud
6/2-004, CERN	16:45 - 17:00
Measurements of the behavior of the first microbunch of SM	Helena Jaworska
6/2-004, CERN	17:05 - 17:20
Discussion	
6/2-004, CERN	17:20 - 17:35

Thu, 7 Nov 2024





Fri, 8 Nov 2024

AWAKE Run 2c schedule and milestones	Eloise Daria Guran
6/2-004, CERN	09:00 - 09:15
0/2 004, OLINY	03.00 - 03.13
Status of integration, installation, interfaces for AWAKE Run 2	Alena Puckova
6/2-004, CERN	09:20 - 09:35
Status of the Run 2c electron source prototype in CTF2	Anton Eager et al.
6/2-004, CERN	09:40 - 09:55
Status of Uppsala contributions to the electron source	Seyed Alireza Mohadeskasaei
6/2-004, CERN	09:40 - 09:55 Seyed Alireza Mohadeskasaei 10:00 - 10:15 Eduardo Granados 10:20 - 10:35
Laser tests in CTF2 and first designs of the Run 2c laser lines	Eduardo Granados
6/2-004, CERN	10:20 - 10:35
Coffee break	
6/2-004, CERN	10:35 - 10:55
Beam arrival time monitors for Run 2c (tbc)	Joshua Thomas Gregory
6/2-004, CERN	10:55 - 11:05
Progress of the Run 2c beam instrumentation	Stefano Mazzoni
6/2-004, CERN	11:10 - 11:25
Bunch-length measurements with EOS	Dr Morgan Hibberd
6/2-004, CERN	11:30 - 11:45
Plans for the coherent ChDR bunch length monitor study	Jack McGunigal
6/2-004, CERN	11:50 - 12:00
Electron spectrometer integration considerations for Run 2c	David Andrew Cooke
6/2-004, CERN	12:05 - 12:15
Close-out	
6/2-004, CERN	12:15 - 13:00
072-004, OLIM	12.15 - 13.00

Edda Gschwendtner, CERN Collaboration Dinner

News



AWAKE Run 2c and 2d has been approved in this year's MTP

(CNGS Target area Dismantling, CTD, was already approved in 2022)

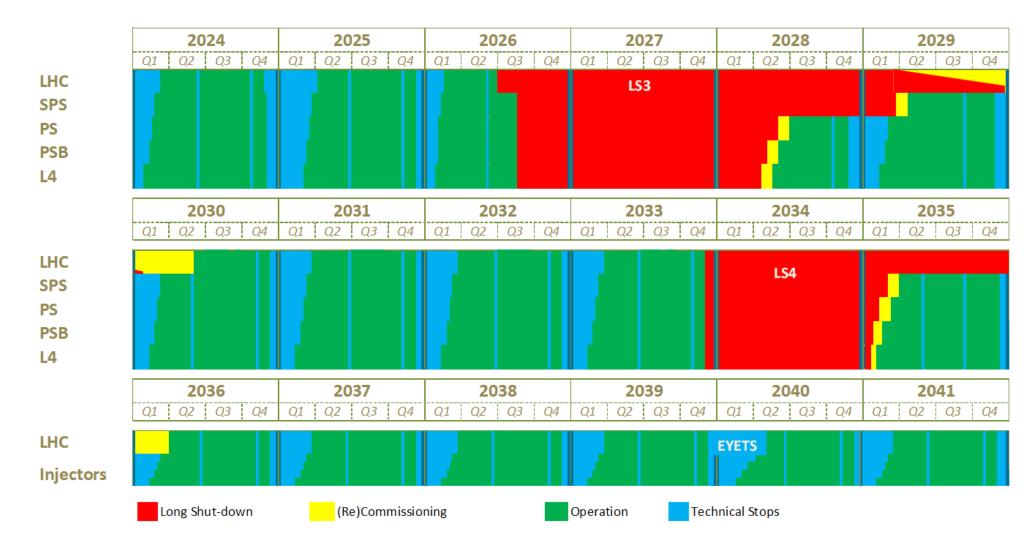
"An amount of 10 MCHF is allocated in addition to AWAKE for the construction, during LS3, of the necessary hardware (e.g. second electron line) to be deployed in Runs 2c and 2d. Additional funds may be necessary for these runs."

News

ATVAKE

LS3 has been delayed

Long Term Schedule for CERN Accelerator complex







New Master Schedule for CNGS Target Area Dismantling and AWAKE

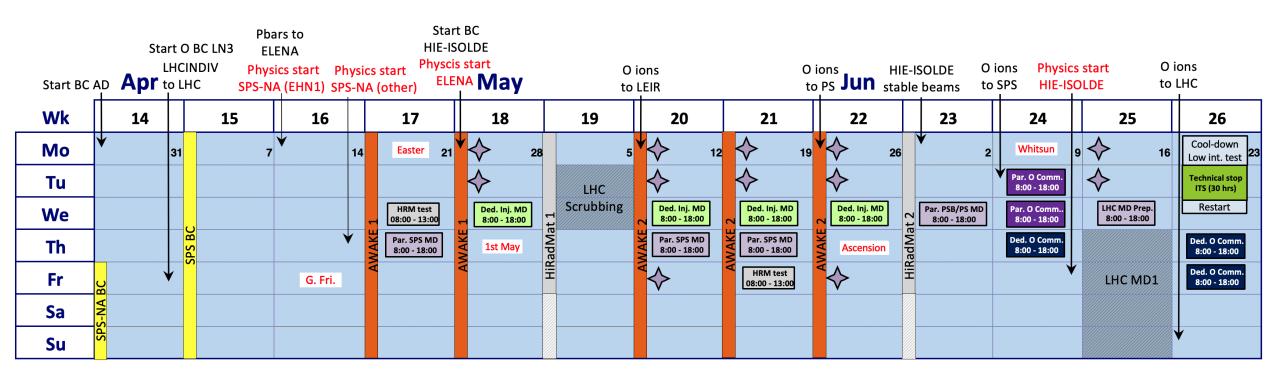
LS3 starts 1/10/2026 (+10mo)																						
CTD/AWAKE shifts by 7mo	20	2024		2025			2026				2027				2028				2029			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Injector schedule (SPS)			ETS Y		YETS				L\$3 SPS - shif		- shift	ted October 2026										
B.697 SCE works																						
B.697 services installation																						
AWAKE Run 2b operation (electrons during YETS)																						
Run 2b removal																						
Awake decabling (outside of YETS)																						
CTD - set-up of the area																						
CTD - main works																						
CTD - decontamination & cleaning																						
Run 2c - Installation services, cables																						
Run 2c - Equipment installation																						
Run 2c - Hardware commissioning																						
Run 2c - Commissioning with beams & operation																						

- Strategy:
- In order to guarantee funding and keep the momentum of the collaborating institutes (e.g. students, post-docs,...), we need to keep the proton down-time as short as possible and start with the Run 2c program as soon as possible.

News



AWAKE Proton Beam Request for 2025



Collaboration Dinner





Café PAPON

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Take the tram 18 from CERN to Place de Neuve, walk to Café Papon

