

12 February 2024

ACCELERATORS & EXPERIMENTAL FACILITIES STATUS

SUMMARY OF WEEK 6 - 2024

Technical infrastructure: J. Nielsen

Linac 4: P. Skowronski

PS Booster: No report yet.

ISOLDE: No report yet

PS: M. Coly, O. Hans

PS – East Area: No report yet

PS – nTOF: No report yet

AD – ELENA: No report yet

SPS: No report yet

SPS – North Area: No report yet

SPS – AWAKE: G. Zevi Della Porta

SPS – HiRadMat: No report yet

Linac 3: No report yet

LEIR: No report yet

LHC: No report yet

CLEAR: P. Korysko, W. Farabolini

Technical Infrastructure (TI)				
Facility Coordinator last week		Jesper NIELSEN		
Facility Coordinator this week		Gildas LANGLOIS		
Statistics				
Alarms	8124			
Phone calls	-	Incoming	-	Outgoing -
ODMs	119			
Facility Status				
Summary	No major event for TI during the week.			
Issues	Fri 09/02/24 14:59 An evacuation was carried out in UX15 following an ODH alarm. This alarm came from a fault on a pump in one Sniffer modules, see event .			
Plans				
Intervention Request				
Yes / No	Duration		Preferred date/time	
Reason				
Impact				

Linac 4			
Machine Coordinator last week		Skowronski	
Machine Coordinator this week		Skowronski	
Statistics			
Availability	N.A.		
Facility Status			
Summary	Machine successfully commissioned		
Issues	4 BCTs give bad reading, access required		
Plans	Start serving the PSB		
Intervention Request			
No	Duration	Unknown	Preferred date/time Feb 12, 8AM
Reason	Repair BCTs giving bad beam current reading		
Impact	None		

PS							
Machine Coordinator last week		Marcel, Oliver					
Machine Coordinator this week		Marcel, Oliver					
Beam Scheduled							
East Area	No	nTOF	No	AD	No	SPS	No
Beam Availability by Destination (AFT)							
AD	--	EA N	--	EA T8	--	EA T9	--
nTOF	--	SPS	--				
Facility Status							
Summary	PS Hardware Commissioning						
Issues	<p>Not all equipment is available for validation. Experts are working on injection and extraction kickers, multiharmonic cavities (20, 40, 80 and 200 MHz), wire scanner 68. During audio/visual patrol issue on Main Unit 61 was observed. Coil of W8L was moving. Issue repaired last week and validation test scheduled for Monday 12/02.</p>						
Plans	Continue hardware commissioning including checklist and dry runs with the aim to pulse PS like for beam operation from next Monday until beam commissioning (21/02)						
Intervention Request							
Yes / No	Duration		Preferred date/time				
Reason							
Impact							

SPS AWAKE			
Facility Coordinator last week		Giovanni Zevi Della Porta	
Facility Coordinator this week		-	
Facility Status			
Summary	<ul style="list-style-type: none"> • Weeks 1-5: Laser+Electron DSO test, Laser and instrumentation commissioning. Laser+plasma experiments. • Week 6: TAG41 closed most of the week for SPS magnet test 		
Issues	<ul style="list-style-type: none"> • Vacuum: ion pumps on electron beamline required 2 weeks of flushing and additional pumping group to get back to working state. No leak found. Working since Feb 9. 		
Plans	Begin electron beam commissioning. Elevator work begins: out of order for several weeks.		
Foreseen beam stop			
Yes / No	Duration		date/time

CLEAR	
Facility Coordinator last week	Pierre Korysko & Wilfrid Farabolini
Facility Coordinator this week	Pierre Korysko & Wilfrid Farabolini
Facility Status	
Summary	<p>Work on CLEAR:</p> <ul style="list-style-type: none"> - Renewal of the CLEAR photocathode (on-going). - More than 24 Beam Time Requests already received for 2024. - Numerous discussions with users for new experiments/setup/beam parameters. <p>Work on CLEAR 2 (new beamline in the CLEAR tunnel):</p> <ul style="list-style-type: none"> - The whole area has been cleared and cleaned. - Numerous cables are already in place (controls, power, cooling). - Most hardware ready to be installed. - Done with C-Robot 2.0.
Issues	Issues with some OP Software and triggers were solved (thanks to experts).
Plans	<ul style="list-style-type: none"> - Align magnets and trace new line (with Accelerators Survey & Geodesy). - Develop new software for CLEAR 2. - Several discussions planned with users for new experiments in 2024.