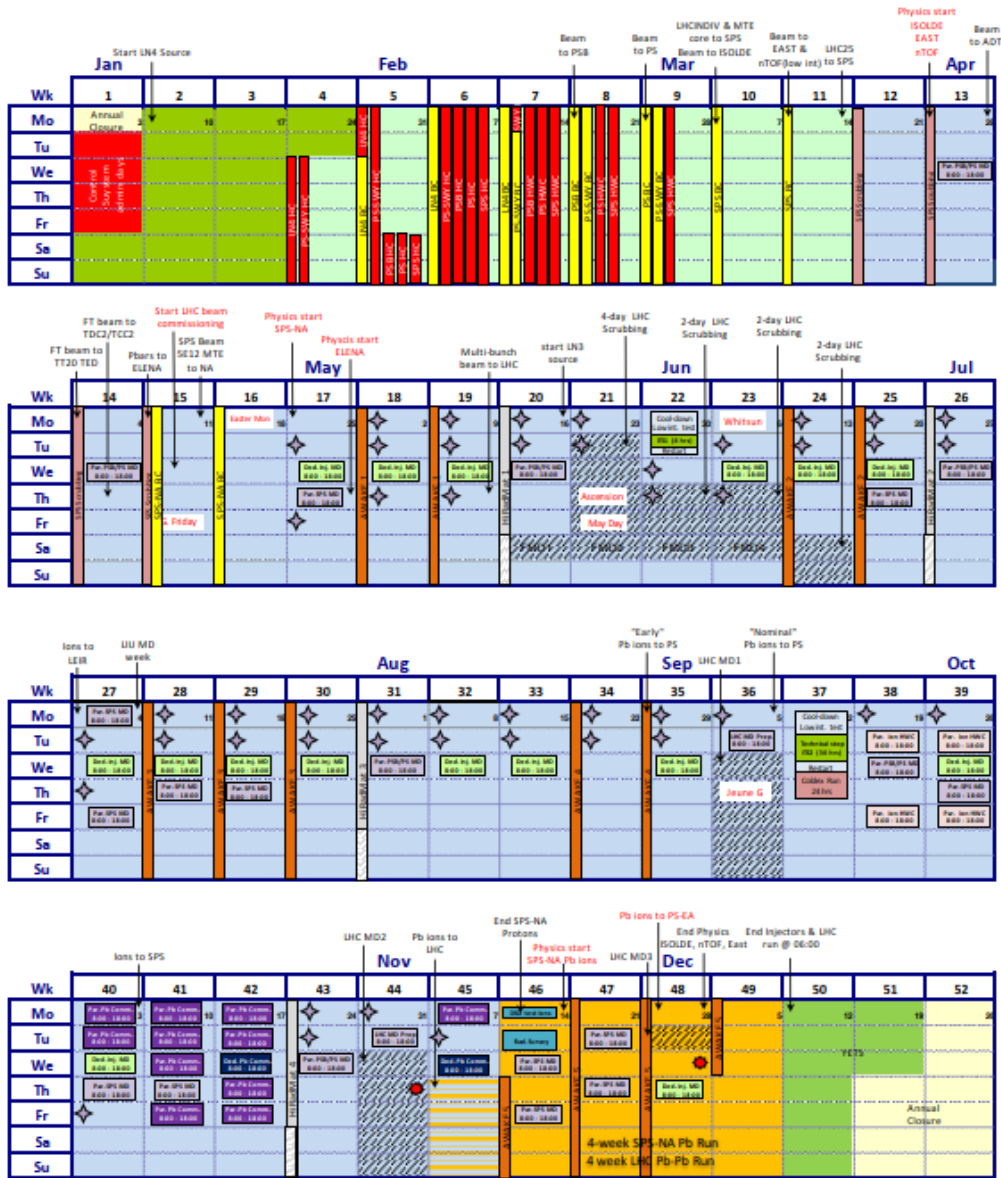


Injector Schedule version 1.0 approved by the IEFC 25.02.2022 and the RB 16.3.2022



	ISOLDE	nTOF	AD/ELENA	PS EA FT	SPS NA FT
p (p-) start	March 28 th	March 28 th	April 28 th	March 28 th	April 25 th
p (p-) end	November 28 th	November 28 th	December 12 th	November 28 th	November 14 th
Pb ion start				November 28 th	November 14 th
Pb ion end				December 12 th	December 12 th
weeks	35	35	32.5 p-	35 p 2 Pb	29 p 4 Pb

- AWAKE: 12 weeks; HiRadMat: 4 weeks
- EDMS 2884482 v.0.8: <https://edms.cern.ch/document/2664482/0.8>
- [ASM link](#) (from within CERN)

Proton & Antiproton physics	Hardware commissioning / Sys. admin days	Parallel SPS ions beam commissioning
Pb ions physics	Beam commissioning	Dedicated SPS ions beam commissioning
Parallel Injectors MD block (08:00 - 18:00)	Scrubbing	LHC MD block proton period
Dedicated Injectors MD Block (08:00 - 18:00)	AWAKE Run (08:00 - 24:00)	LHC MD blocks ion period
YETS & Injector chain Technical Stop	HiRadMat Run & reserve (08:00 - 24:00)	Special interventions/stops
SPS ions Hardware commissioning	SPS short cycle (6-7 bp) parallel MD (08:00-20:00)	CERN Official Holidays
Annual closure	Linac 3 source refill	

User Schedule

- For the SPS EHN1 lines:
 - Empty slots in May and maybe in the first week of June in H2, H4 and H8
 - Many change requests – some still not resolved
 - Some decisions to be taken at the next SPSC in April (NP04, CALICE)
 - → possibly changes to NA64e, GIF/RD51, LHCb
 - SPS EHN1 is still a DRAFT version
 - Few users might be approached with the request to move their beam slot in time or move to other beam lines or to early 2023.
- Limitations in beam quality due to target sharing: in particular for electron beams for test beam users in H2 and H4 from week 23 to week 40

Pb Ions

- In PS EA: Two weeks at the end of the run
- In SPS: four weeks at the end of the run

Nov				Dec		
Week	45	46	47	48	49	50
Machine						
T8 - Irrad				CHIMERA 14		
Pb momentum			150 AGeV/c 21		13 AGeV/c 7	
T2 - H2	SND 5		NA61 setup 150 AGeV/c 7	NA61 150 AGeV/c 14		NA61 13 AGeV/c 7
T2 - H4			Medipix 7	HERD 7	PAN 5	PAN 7
T4 - H8			NUCLEON 7		NA60+ 7	NA60+ 4

SPS NA Draft User Schedule

schedule issue date: 29-Mar-2022

Version: 0.5

LHC Exp.
 PS/SPS Exp.
 Other Exp.
 INT Exp.

X1

		Mar			Apr			Mai			Jun			Jul			Aug			Sep			Oct			Nov		Dec																													
Week		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50																
Machine																								TS1 RP																																	
North Area	T2 - H2	SPS & TT20 Setup 7		NA Setup 14		NA61 SHINE 16		CMS HGCAI 7		NA61 SHINE 7		EP FTS 7		Calice (SW ECAL) 14		NA61 SHINE 35		STORM 7		KLEVE 7		CMS PIXELS 7		CMS OT 7		CMS HF 7		FASER p/c shower 7		Place-holder 14		NA65 7		CMS HGCAI 7		LHC7 7		LHCb ECAL 14		ALICE FDCAL 7		NA61 setup 150 GeV/c 7		NA61 150 AGeV/c 14		NA61 13 AGeV/c 7											
	T2 - H4	SPS & TT20 Setup 7		NA Setup 14		GIF 9		NUCLEON 7		RDS1 7		GIF RD51 7		GIF 7		NA63 14		LHCb ECAL 7		CMS BRIL 7		ATLAS ZDC 7		GIF RD51 14		NA64e 70		Place-holder 14		GIF RD51 14		CMS ECAL 12		Medipix 7		HERD 7		PAN 7																			
	H6 parallel	SPS & TT20 Setup 7		NA Setup 14		CMS PIXELS 9		ATLAS AFP 14		EP PIXEL ATLAS MALTA 7		CERF 7		ALICE ITS 14		ATLAS MALTA EP PIXEL 7		CMS PIXELS 7		EP PIXEL ATLAS MALTA 7		RD42 7		PICSEL 7		ALICE FOCAL 7		ATLAS AFP 14		MONO LITH EP PIXEL MALTA 7		NA62 14																									
	H6 parallel					ATLAS BCM 10						RD42 7		EP hybrid 7		ATLAS ITK PIXEL 14								CMS OT 7		EP hybrid 7		ATLAS BCM 7		RD50 7		EP hybrid 7		CMS PIXELS 7																							
	H6 ACONITE parallel					ATLAS ITK PIXEL 9		ATLAS HGTD 14		ATLAS ITK PIXEL 14		ATLAS ITK PIXEL 7		ATLAS ITK STRIP 7		ATLAS HGTD 14		ATLAS ITK PIXEL 14		ATLAS ITK PIXEL 14		ATLAS ITK PIXEL 14		ATLAS HGTD 14		ATLAS HGTD 14		CMS PIXELS 7		ATLAS ITK PIXEL 14		ATLAS HGTD 14		ATLAS ITK PIXEL 7																							
	T4 - H8	SPS & TT20 Setup 7		NA Setup 14		LHCb 16		TOTEM 7		ST1 7		CMS MTD 14		ATLAS Tilecal 14		IDEA CC 7		LHCb 7		LHCb (TOTEM) 7		TOTEM / Q 7		Medipix / Q 7		ATLAS FCAL PULSE 7		IDEA DRG 7		TOTEM 7		ALICE PHOS 7		EIC DRICH 7		RADICAL 7		UA9 14		LHCb / SEL-DOM 14		Place-holder 14		ATLAS Tilecal 12		NUCLEON 7		NA60+ 7									
	H8 parallel or DUMP					CMS RPC 56																						TOTEM 7		NA60+ 7		CMS MTD 14																									
	T4 - K12	SPS & TT20 Setup 7		NA Setup 14																																																					
	T6 - M2	SPS & TT20 Setup 7		NA Setup 14		COMPASS / NA64mu 23																																																			
TT41					AWAKE 14						AWAKE 14				AWAKE 21						AWAKE 14																		AWAKE 21																		
TT66							HiredMat 7						HiredMat 7				HiredMat 7														HiredMat 7																										

Pb ions