

2015 Run Plan

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New Proposal for Beam in 2015

- Addendum asked for 30 GeV/c running which is very inefficient (proton yield is low)
- Proposal is to study lowering SPS energy to increase relative proton yield off of target this year
- Substitute a 120 GeV/c pilot run for 30 GeV/c
- Take 30 GeV/c data in 2016

New Proposal for Beam in 2015

- Run plan would change as follows:

Following the SR2014 and Add2014:

p/pi + Be at 60 GeV/c 7 days
p/pi + C at 60 GeV/c 7 days
p/pi + Al at 60 GeV/c 7 days

p/pi + Be at 30 GeV/c 7 days
p/pi + Al at 30 GeV/c 7 days

The alternative proposal:

p/pi + Be at 60 GeV/c 7 days
p/pi + C at 60 GeV/c 7 days
p/pi + Al at 60 GeV/c 7 days

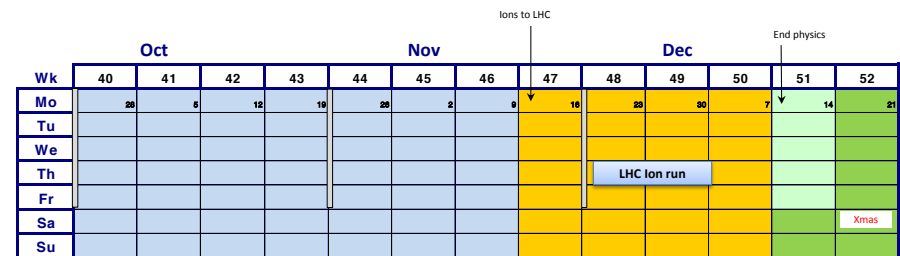
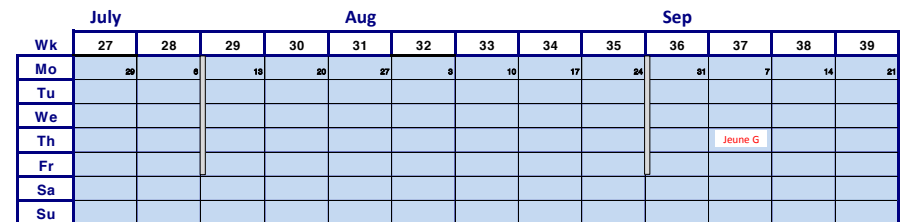
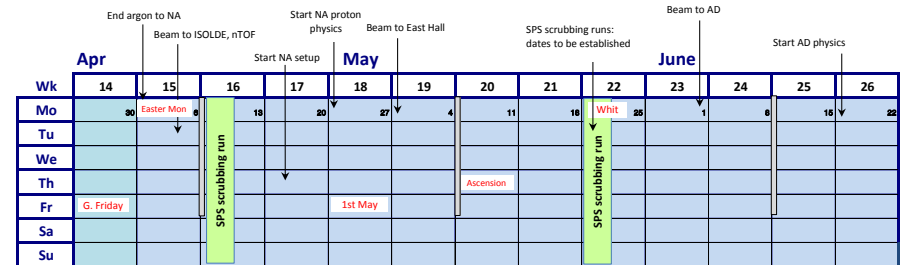
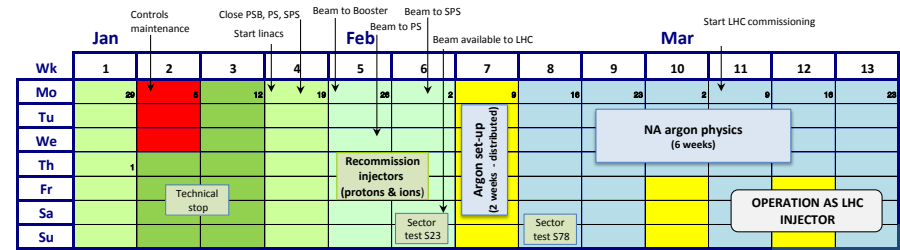
p/pi + C at 120 GeV/c 7 days

2015 Injector Accelerator Schedule

Draft for approval

2015 Injector Schedule

- Argon beam runs would take place early in the year
- We would run at the end of the year
 - Restart the detector around week 36
 - Take data during weeks 39-44



US-NA61 Run Plan

	July			Aug						Sep			
Wk	27	28	29	30	31	32	33	34	35	36	37	38	39
Mo	29	6	13	20	27	3	10	17	24	31	7	14	21
Tu													
We													
Th													
Fr													
Sa													
Su													



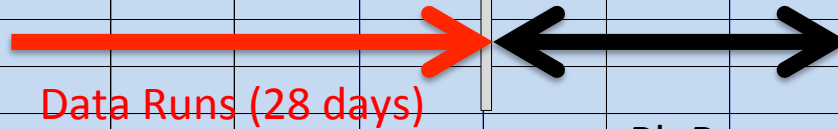
	Oct				Nov			Dec					
Wk	40	41	42	43	44	45	46	47	48	49	50	51	52
Mo	28	5	12	19	26	2	9	16	23	30	7	14	21
Tu													
We													
Th	Data Runs (28 days)				p-Pb Runs				LHC Ion run				
Fr													
Sa									Pb-Pb Runs ?				Xmas
Su													

ions to LHC

End physics

Ions to LHC

End physics



LHC Ion run

Pb-Pb Runs ?

Xmas



Injector Complex MD Block

Injector Stop

Technical stop for the Injector Chain



Floating injector MD - LHC beam has priority



AD Setting-up & Studies



HiRadMat: possible beam request



Ions to LHC



Ions to North Area



Argon set-up

Shift Coverage

- We would need to cover the following dates:
 - Setup:
 - August 31, 2015 through September 20, 2015
 - Data runs:
 - September 21, 2015 through October 25, 2015
- Remember they are just proposed dates and could change
- New personnel would need to be registered and trained before or during the setup period

EXTRA

Argon Run Plans

SPS user schedule for 2015

schedule issue date: 02-Oct-2014

Version: 0.0

LHC Exp.

PS/SPS Exp.

INT Exp.

Other Exp.

		Feb					Mar					Apr			
Week	5	6	7	8	9	10	11	12	13	14	15	16	17		
Machine															
North Area	T2 - H2		NA Setup 2	NA61 (SHINE) 55											
	T2 - H4		NA Setup 2	NA61 (SciFi) 7	RE21 CBM-TOF 5	NA63 35					NA61 (SciFi) 8				
	T4 - H8		NA Setup 2	UA9 9	Proba-V 5	Fragmented ion Setup 5	RE25 (CALET) 15		RE29 (DAMPE) 15		Proba-V 6				

For further information contact the PS/SPS-Coordinator. Email: Sps.Coordinator@cern.ch, Tel: +41 76 487 3845.

The latest version of the schedule are available here: <http://sps-schedule.web.cern.ch/sps-schedule/>

This schedule is synchronized with injector schedule 2015 v0.4

1 extraction with a 10s flat top per supercycle.

Considered order of the momenta 150, 13, 20, 30, 40 and 80, typically 2 days setup, 5 days data accumulation, driven by NA61

No beam during Technical Stops (TS) and Machine Developments (MD)