






# NA Ion Run Scheduling Discussion

**H4/H8 ion scheduling discussion** 



 Tuesday 23 Jul 2024, 16:00 → 18:00 Europe/Zurich

 Maarten Van Dijk (CERN), Martin R. Jaekel (CERN), Nikolaos Charitonidis (CERN)

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**16:00** → 16:10 **Introduction**  10m 

Speaker: Martin R. Jaekel (CERN)

**16:10** → 17:00 **Requirements & Scheduling Possibilities discussion**  50m 

Speakers: Maarten Van Dijk (CERN), Nikolaos Charitonidis (CERN)

<https://indico.cern.ch/event/1433565/>

# Current Situation

[DRAFT] Schedule Runs 3.0										
Calendar Months /				November						
Weeks (Mon-Mon)				CW 44	CW 45	CW 46	CW 47	CW 48		
Weeks (Wed-Wed)				Week 44	Week 45	Week 46	Week 47	Week 48		
PS[EA]	T8	T8	Main			<b>CHIMERA</b> 19d				
SPS[NA]	H2	PPE152	Main		<b>NA61 SHINE</b> 21d			<b>NA61 SHINE</b> 7d		
	H4	PPE134	Main		RE1 AMS LO TBC, 7d	RE44 HERD TBC, 7d	RE25 CAI TBC, 7d	PAN TBC, 7d		
			Parallel		VLAST TBC, 7d	NA	NA TBC, 7d			
	H8	PPE138	Main		R2L TBC, 7d	RE7 GAMMA MEV TBC, 7d		<b>NA60+</b> 14d		

Not yet scheduled

- Week 45 to 48  
(Monday - Monday)
- Week 45-47 High Energy Runs  
Week 48 Low Energy Runs
- H2 used exclusively by NA61
- H8 week 47 & 48 (High- and Low E. run)
- H8 scheduled for NA60+ in 47&48
- Not scheduled :  
8 weeks of beam time requested.  
6 weeks of exclusive beam time available

- Need to find synergies, possibly running experiments in parallel on the same beam line
- If not possible, we either have to shorten the beam time per experiment, or don't allocate beam time in 2024 for up to two experiments

# To be scheduled....

Activity	Category	Duration [Days]
R2E	Injectors and exp. facilities activities	Not week 47-48 7
RE1 AMS L0	Other / Recognised Experiments	7
RE25 CALET	Other / Recognised Experiments	Not week 46 7
RE44 HERD	Other / Recognised Experiments	7
RE7 GAMMA MEV	Other / Recognised Experiments	7
MEDIPIX	Other	7
PAN	Other	7
VLAST	Other	7

# Beam request data

Activity	Duration [Days]	Hw Influences	BC Particle	BC p A GeV/c	BC intens. Hz per spill	Hw Rate Limits
R2E	7	PERTURB_SCATTER	Primary particles	13-150	> 5k, > 100k ok	Not rate limited
MEDIPIX	7	TRANSPARENT	Fractured ions	> 40	100k to 1M	Not rate limited
PAN	7	PERTURB_SCATTER; TRANSPARENT	Fractured ions	13	1k to 10k	1 kHz to 10 kHz; Not rate limited
VLAST	7	ABSORB	Fractured ions	10-150	100 to 1k	100 Hz to 1 kHz
RE1 AMS L0	7	TRANSPARENT	Fractured ions	150	1k	1 kHz to 10 kHz
RE25 CALET	7	TRANSPARENT	Fractured ions	1-150	1k to 10k	Don't know
RE44 HERD	7	ABSORB	Fractured ions	150	1k to 10k	100 Hz to 1 kHz
RE7 GAMMA MEV	7	PERTURB_SCATTER	Fractured ions	150	1k to 10k	Not rate limited
NA60+	14	TRANSPARENT	Primary particles	13-150	10k to 100k	1 kHz to 10 kHz
NA61 SHINE	21	PERTURB_SCATTER_ABSORB	Primary particles	150	100k to 1M	Not rate limited
NA61 SHINE	7	PERTURB_SCATTER_ABSORB	Fractured ions	13	100k to 1M	Not rate limited