
Schedule Update for the PS and SPS Users

Eva Barbara Holzer
SPS and PS Physics Coordinator

PS/SPS User Meeting
July 1st, 2021

Changes to the 2021 Injector Schedule

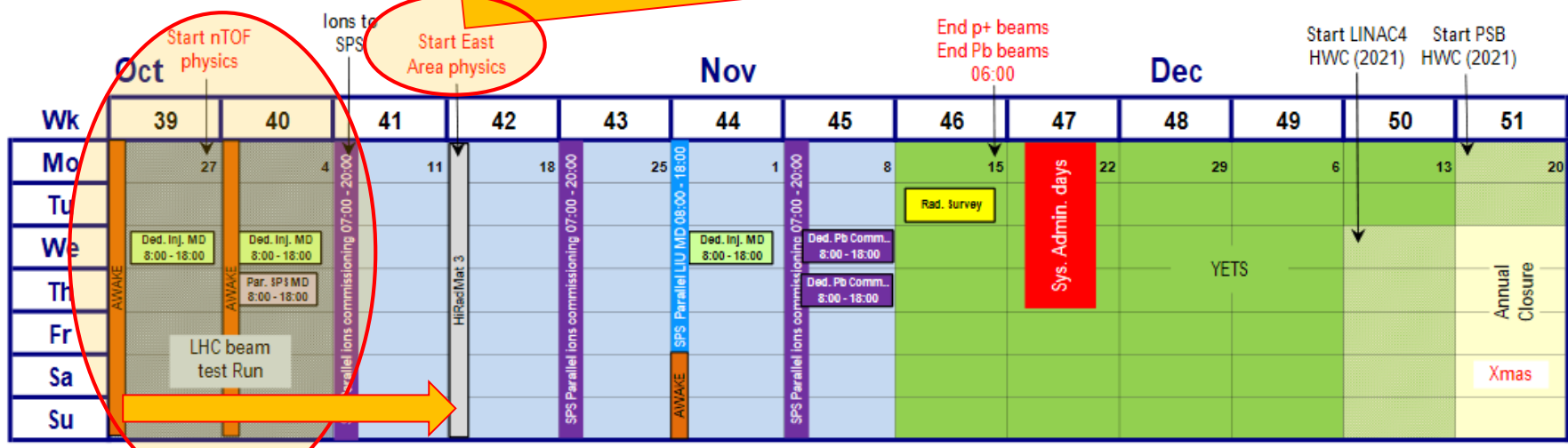
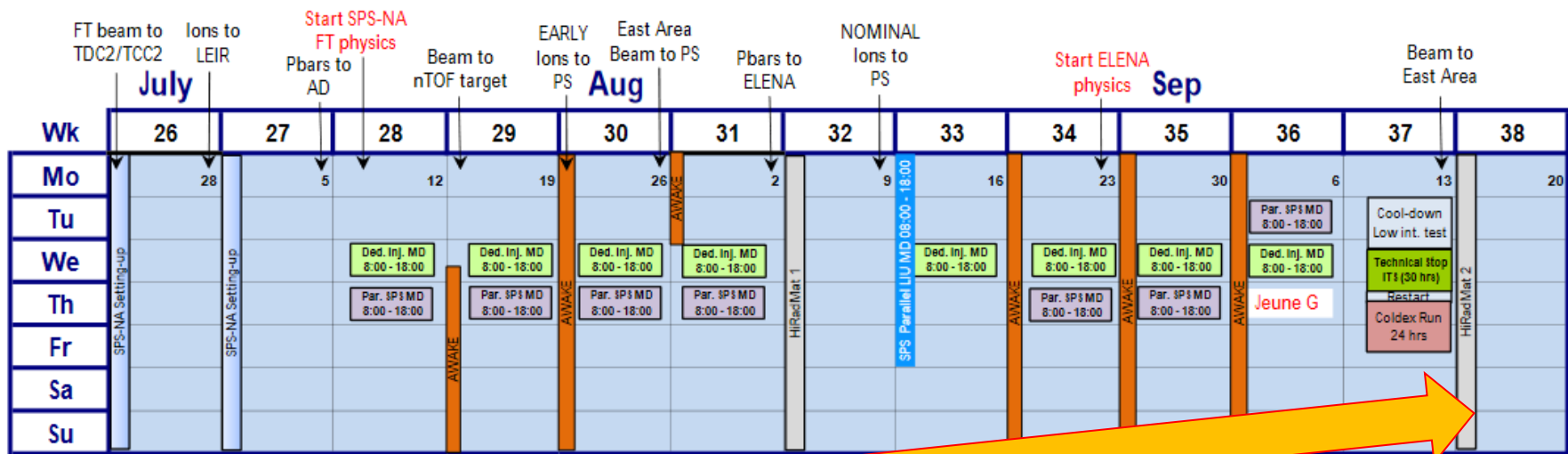
- Updated 2021 injector schedule v1.2 presented at the IEFC 18th June
 - <https://ps-sps-coordination.web.cern.ch/ps-sps-coordination/>
 - <https://edms.cern.ch/document/2442568/1.2>

- A. The test beam period in the LHC is shifted back by three weeks to week 42&43 →
 - AWAKE, HiRadMat (plus ion commissioning and some MDs in the SPS) had to be moved
 - Schedule of other FT experiments and test beam users not affected

- B. East Area Renovation Project advancing ahead of schedule
 - Start of the primary beam to IRRAD/CHARM advanced by 4 weeks
 - 8 weeks of IRRAD/CHARM

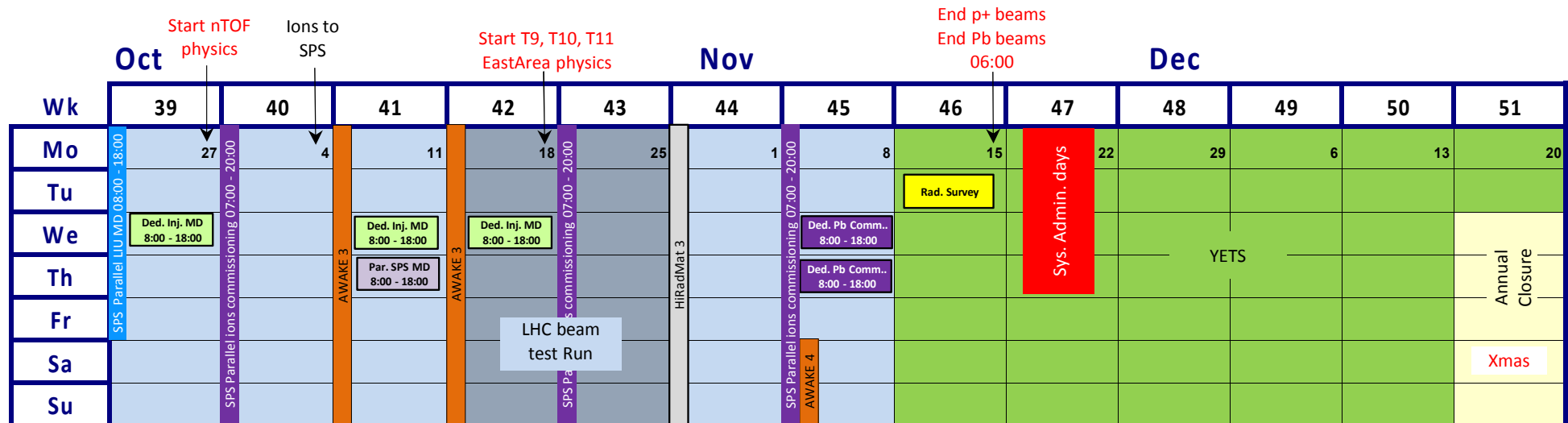
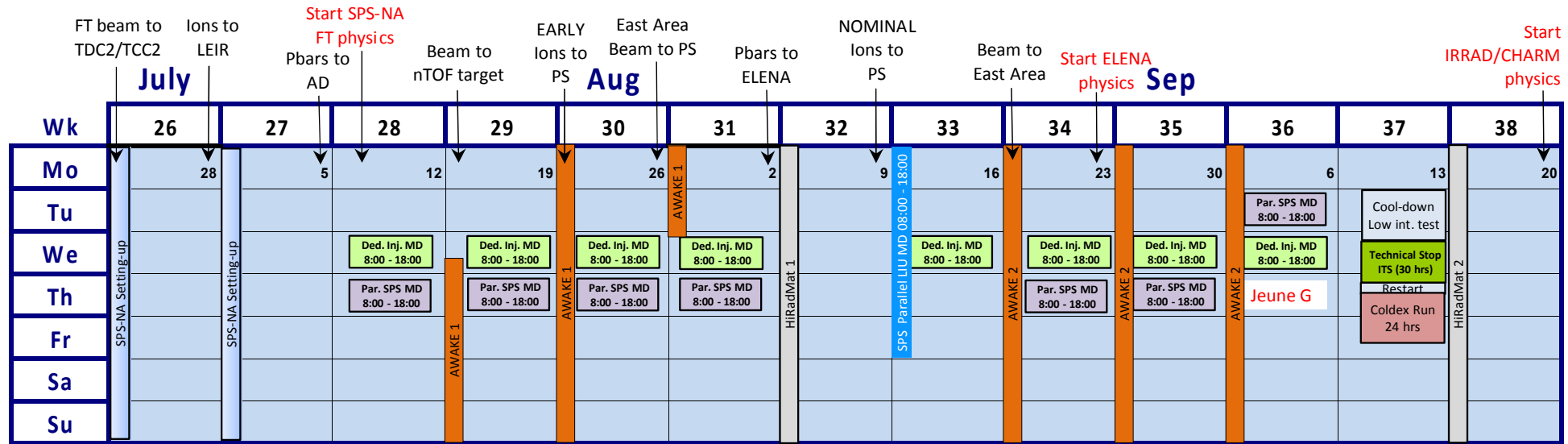
2021 Injector Schedule — Version 1.1

R. Steerenberg, [EDMS 2442568 v1.1](#)



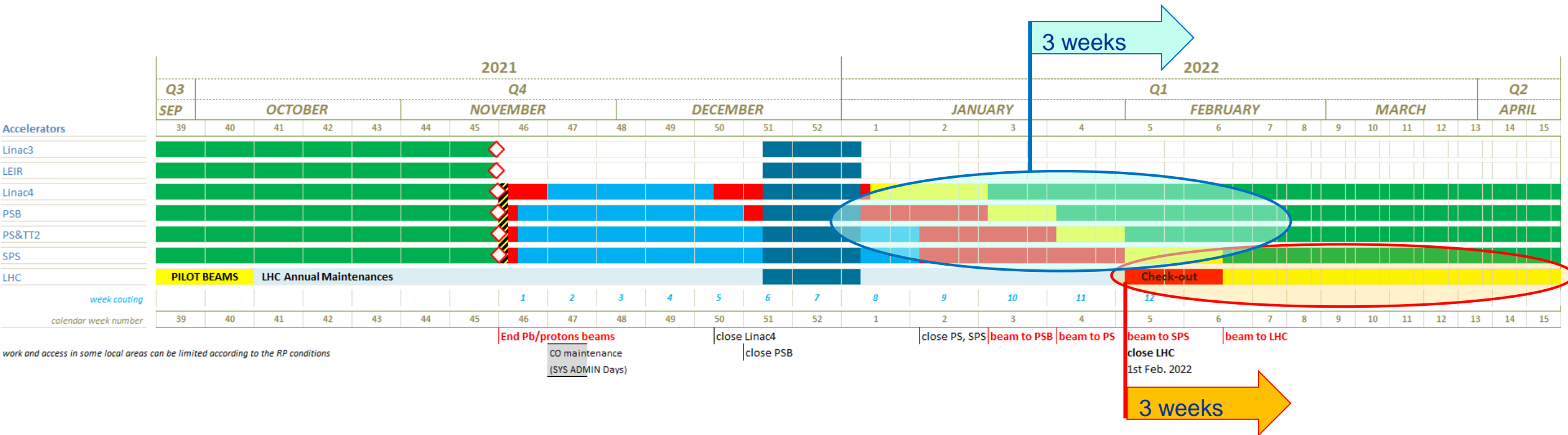
- Injector Complex MD Block (dedicated)
- Protons physics
- LHC beam test period
- Special Run
- HiRadMat Run
- AWAKE Run
- LIU parallel MD
- Pb ion commissioning
- Special interventions/stops
- CERN Official Holidays
- Controls system interventions
- SPS MD block (parallel)
- YETS & HWC 2021

Injector Schedule v1.2



Changes to the 2022 start-up

- The LHC start up in 2022 shifts back by three weeks as well
 - Closure of the LHC on 21st February
 - The YETS 21/22 for the injectors shifts by three weeks as well
 - Schedule to be reviewed again end of October after the LHC test beam



User Schedules v2.2

- <https://ps-sps-coordination.web.cern.ch/ps-sps-coordination/>



PS user schedule for 2021

schedule issue date: 29-Jun-2021

Version: 2.2

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

| | | Sep | | | | | Oct | | | | | Nov | | |
|-----------|------------|-----|----|----------------|----------------|----|-----|--------------------------|--------------------------|-------------------------|-------------------------|----------------------------|----------------------------|----------------------------|
| Week | | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | | |
| Machine | | | | TS1 RP | | | | | | | | | | |
| East Area | T8 - Irrad | | | | EA-Irrad 56 | | | | | | | | | |
| | T9 | | | EA Setup 35 | | | | LDMX 14 | | HERD 7 | | TOTEM (NP07) 7 | | |
| | T10 | | | EA Setup 35 | | | | ALICE ITS3 (& RICH) 6 | ALICE RICH (& ITS3) 3 | ALICE TOF (& ITS3) 3 | ALICE ITS3 (& TOF) 6 | ALICE TIMING (& ITS3) 2 | ALICE TIMING (& PHOS) 4 | ALICE PHOS (& TIMING) 4 |
| | T11 | | | EA Setup 35 | | | | CLOUD 28 | | | | | | |
| TT2A | | | | | nTOF 49 | | | | | | | | | |



SPS user schedule for 2021

schedule issue date: 29-Jun-2021

Version: 2.2

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

| | | Jun | | | Jul | | | | Aug | | | | | Sep | | | | Oct | | | | Nov | | | | | | | | | | | | | | | | | | | | | | | |
|------------|----------|-----|--------------------|--------------------|------------|-----------------------------|--------------------------------|-------------|--------------------|-----------------------|--------------------------|-----------------------|---------------|------------------------|--------------|---------------|----------------|----------------|-----------------------|-----------------------|--------------------------------|---------------------------|--------------------------|--------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Week | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | | | | | | | | | | | | | | | | | | | | | | |
| Machine | | | | | | | | | | | | | | | | | | | | | | | TS1 Coldex RP | | | | | | | | | | | | | | | | | | | | | | |
| North Area | T2 - H2 | | CMS OT (no beam) 7 | SPS & TT20 Setup 7 | NA Setup 7 | NA61 SHINE 16 | | | FASER cal 7 | ATLAS FCAL PULSE 7 | STORM 7 | KLEVER 7 | NA61 SHINE 14 | ATLAS ZDC 7 | CMS HGICAL 7 | NA65 14 | CMS HGICAL 7 | NA61 SHINE 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T2 - H4 | | | SPS & TT20 Setup 7 | NA Setup 7 | GIF RD51 (CMS ECAL) 9 | CMS ECAL 1 | LHCb CAL 18 | | | NA64e 28 | | | GIF 7 | LHCf 14 | CMS ECAL 14 | | HERD 7 | GIF RD51 14 | LHCb CAL 7 | GIF 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| | T4 - H6 | | | SPS & TT20 Setup 7 | NA Setup 7 | ALICE ITS3 (ATLAS MALTA) 5 | ATLAS MALTA (ALICE ITS3) 4 | NUCLEON 7 | ATLAS ITK 7 | EP RDET (ATLAS ITK) 7 | RD42 (ATLAS BCM & AFP) 7 | ATLAS AFP (Medipix) 7 | CERF 7 | CMS PIXELS (EP RDET) 7 | CMS PIXELS 7 | dRICH 7 | ALICE FOCAL 12 | | ATLAS ITK (PIC-SEL) 7 | EP RDET (ATLAS ITK) 7 | ATLAS BCM (ATLAS HGTD, RD42) 7 | ATLAS HGTD (CMS PIXELS) 7 | ATLAS ITK (CMS PIXELS) 7 | ALICE ITS3 (ATLAS ITK) 5 | | | | | | | | | | | | | | | | | | | | | |
| | T4 - H8 | | | SPS & TT20 Setup 7 | NA Setup 7 | ATLAS RPC (LHCb, CMS MTD) 7 | FASER pre-shower (ATLAS RPC) 7 | ATLAS TRT 7 | LHCb (ATLAS NSW) 7 | ATLAS NSW 7 | FCCee 7 | ProTOV 7 | SND HCAL 3 | ATLAS Tilecal 11 | STI 7 | TOTEM (UA9) 7 | NP07 7 | LHCb (TOTEM) 7 | CMS MTD (LHCb) 7 | LHCb (CMS MTD) 7 | LHCb (TOTEM) 7 | LHCb (TOTEM) 7 | ATLAS Tilecal 12 | | | | | | | | | | | | | | | | | | | | | | |
| | T4 - K12 | | | SPS & TT20 Setup 7 | NA Setup 7 | NA62 126 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | T6 - M2 | | | SPS & TT20 Setup 7 | NA Setup 7 | NA58 COMPASS 86 | | | | | | | | | | | Amber 21 | | NA64 mu 19 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TT41 | | | | | AWAKE 14 | | | | | AWAKE 21 | | | | | | | | AWAKE 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TT66 | | | | | | | | | | HiradMat 7 | | | | | | | | | | | HiradMat 7 | | | | | | | | | | | | | | | | | | | | | | | | |

Upcoming PS/SPS User Beams

- 12th July: North Area
 - T4-K12: NA62
 - T6-M2: COMPASS
 - H2, H4, H6 & H8
- 19th July: nTOF commissioning
- 21st July: AWAKE

| | | Jun | | | Jul | | | | |
|------------|---------|-----|--------------------|--------------------|------------|-----------------------|------------|-------------|----------------|
| Week | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| Machine | | | | | | | | | |
| North Area | T2 - H2 | | CMS OT (no beam) 7 | SPS & TT20 Setup 7 | NA Setup 7 | NA61 SHINE 16 | | FASER cal 7 | ATL FCA PUL: 7 |
| | T2 - H4 | | | SPS & TT20 Setup 7 | NA Setup 7 | GIF RD51 (CMS ECAL) 9 | CMS ECAL 3 | LHCb CAL 18 | |

| | | Jun | | | Jul | | | | |
|------------|-------------------------|-----|----|--------------------|------------|----------------------------|-----------------------------|--------------------------------|-------------|
| Week | | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| Machine | | | | | | | | | |
| North Area | T4 - H6 | | | SPS & TT20 Setup 7 | NA Setup 7 | ALICE ITS3 (ATLAS MALTA) 5 | ATLAS MALTA (ALICE ITS3) 4 | NUCLEON 7 | ATLAS ITK 7 |
| | H6 PPE126 or PPE146 | | | | | | | | |
| | H6 PPE146 bis | | | | | ATLAS MALTA 9 | NUCLEON 7 | ATLAS 14 | |
| | H6 PPE156 | | | | | ALICE ITS3 9 | | | |
| | behind H6 | | | | | | | | |
| | T4 - H8 | | | SPS & TT20 Setup 7 | NA Setup 7 | | ATLAS RPC (LHCb, CMS MTD) 7 | FASER pre-shower (ATLAS RPC) 7 | ATLAS TRT 7 |
| | H8 PPE128 and/or PPE138 | | | | | | LHCb 7 | FASER pre shower 7 | |
| | H8 PPE158 | | | | | | CMS MTD 7 | | ATLAS TRT 7 |
| | H8 PPE168 | | | | | | ATLAS RPC 14 | | |
| | H8 PPE168 bis | | | | | | | | |