## ACCELERATORS & EXPERIMENTAL FACILITIES STATUS

## **SUMMARY OF WEEK 31 - 2023**

Technical infrastructure – J. Nielsen

Linac 4 – P. Skowronski

PS Booster - I.F. Comblin

ISOLDE – M. Lozano

PS – M. Fraser

PS - East Area - D. Banerjee

PS - nTOF - M. Bacak

AD - ELENA - P. Freyermuth

SPS - F. Velotti

SPS – North Area - D. Banerjee

SPS - AWAKE - G. Zevi Della Porta

SPS – HiRadMat – Not running, no report

Linac 3 – R. Wegner

LEIR - Not running, no report

LHC – E. Bravin

CLEAR - Wilfrid Farabolini

|                | Technical Infrastructure (TI)   |   |   |                            |                                 |  |  |  |  |  |  |
|----------------|---|---|---|----------------------------|---------------------------------|--|--|--|--|--|--|
| Facility Coord | linator last we   | ek Jesper I   | Vielsen   |                            |                                 |  |  |  |  |  |  |
| Facility Coord | Facility Coordinator this week Jesper Nielsen   |   |   |                            |                                 |  |  |  |  |  |  |
|                | Statistics  |   |   |                            |                                 |  |  |  |  |  |  |
| Alarms         |   |   |   |                            |                                 |  |  |  |  |  |  |
| Phone calls    |   | Incoming Outgoing                                   |   |                            |                                 |  |  |  |  |  |  |
| <b>ODMs</b>    |   |   |   |                            |                                 |  |  |  |  |  |  |
|                |   | Fa  | cility Status   |                            |                                 |  |  |  |  |  |  |
|                | <b>Wed 02/08/23 22:20:</b> TI has received a low reflection alarm (possible water polution) on WMS101 (B1151). Looking at the trend we can see that the reflection value went down to around 500 from 19.45, the start of the rain, and rose back to normal value (around15000) after 23.15, the end of the rain. No other intervention carried after the visual check. (No need to put in FOM) |   |   |                            |                                 |  |  |  |  |  |  |
|                |   |   | operators reported the<br>EZD101*85 Fusible D   | -                          |                                 |  |  |  |  |  |  |
| Summary        |   |   | n for what it seemed<br>stem" in fault, RF side   | 9                          |                                 |  |  |  |  |  |  |
|                | shutdown. Fa<br>switch over t<br>flow (see trea   | ault on the ele<br>to the standby<br>nd), until the | Trip because of Mair ectrical drawer of the pump and therefore backup pump had st the primary pump. | pump P112<br>e a quick ded | 00, caused a<br>crease of water |  |  |  |  |  |  |
|                | Sat 05/08/23 13:23: No power in barrack 887-1-A47 (HNA348) was reported by the users to SPS operations. TI on-site, interlock was caused by emergency stop. Interlock was reset and after checking, no buttons were pushed physically. Power was switched back on via the local power supply EXD417/HN1 and upstream on the EOD417/HN1.   |   |   |                            |                                 |  |  |  |  |  |  |
| Issues         |   |   |   |                            |                                 |  |  |  |  |  |  |
| Plans          |   |   |   |                            |                                 |  |  |  |  |  |  |
|                |   | Interv  | ention Request  |                            |                                 |  |  |  |  |  |  |
| Yes / No       | Duration  |   | Preferred date/s  | time                       |                                 |  |  |  |  |  |  |
| Reason         |   |   |   |                            |                                 |  |  |  |  |  |  |
| Impact         |   |   |   |                            |                                 |  |  |  |  |  |  |

|              | Linac 4                           |         |              |  |   |  |  |  |  |  |
|--------------|-----------------------------------|---------|--------------|--|---|--|--|--|--|--|
| Machine Coor | dinator last                      | week    | Piotr Krzysz | tof Skowronski                                 |   |  |  |  |  |  |
| Machine Coor | dinator this                      | week    | Athanasios   | Topaloudis                                     |   |  |  |  |  |  |
|              |                                   |         | Stat         | tistics  |   |  |  |  |  |  |
| Availability | 98.5%                             |         |              |  |   |  |  |  |  |  |
|              |                                   |         | Facilit      | y Status                                       |   |  |  |  |  |  |
| Summary      | Good week                         | w only  | 2 faults     |  |   |  |  |  |  |  |
| Issues       | dow                               | ntime   |              | uncher RF line, piquets kdown protection & rec | had to intervene, 2h20 overy: 7min downtime |  |  |  |  |  |
| Plans        |                                   |         |              |  |   |  |  |  |  |  |
|              |                                   |         | Interventi   | on Request                                     |   |  |  |  |  |  |
| Yes          | Duration 4h Preferred date/time - |         |              |  |   |  |  |  |  |  |
| Reason       | Doors of the elevator             |         |              |  |   |  |  |  |  |  |
| Impact       | Stops all pro                     | oton ba | sed experim  | ents   |   |  |  |  |  |  |

|                |   | PS Bo  | oster  |  |  |  |  |  |  |
|----------------|---|--|--|--|--|--|--|--|--|
| Machine Coor   | Machine Coordinator last week JF Comblin                              |  |  |  |  |  |  |  |  |
| Machine Coor   | Machine Coordinator this week C. Bracco                               |  |  |  |  |  |  |  |  |
| Beam Scheduled |   |  |  |  |  |  |  |  |  |
| ISOLDE         | Yes   |  | PS   | Yes  |  |  |  |  |  |
|                | E   | Beam Availability I  | by Destination (AFT)   |  |  |  |  |  |  |
| ISOLDE         | 97 %  |  | PS   | 98.5 %   |  |  |  |  |  |
|                |   | Facilit  | y Status   |  |  |  |  |  |  |
| Summary        | <ul><li>All opera</li><li>New MT<br/>SPS tea</li><li>Wednes</li></ul> | All operational and MD beams delivered to the users as requested.  New MTE beam with larger vertical emittance created as requested by the SPS team. |  |  |  |  |  |  |  |
| Issues         | correctly<br>electron<br>• Friday m<br>and B-tr                       | to the commands ics. 4.5 hours of do norning, there was i ain specialists had nsor was too low. It   | we sent. First line was<br>wntime for Isolde.<br>nstabilities on ring 2 fo<br>a look. It was found tha | use at first, it responded called. He reset the or high intensity beams. RF at the voltage level of the users, and this solved the |  |  |  |  |  |
| Plans          |   |  |  |  |  |  |  |  |  |
|                |   | Interventi   | on Request   |  |  |  |  |  |  |
| Yes            | Duration  | 1h   | Preferred date/time  | Monday 14th August   |  |  |  |  |  |
| Reason         | Regular insp  | ections of BR.QFC  | 011.   |  |  |  |  |  |  |
| Impact         | No beam for   | all downstream ma  | achines and experimer  | nts.   |  |  |  |  |  |

|   | ISOLDE                        |  |                          |                                      |            |          |       |  |  |  |
|---|-------------------------------|--|--------------------------|--------------------------------------|------------|----------|-------|--|--|--|
| Machine Supervisor last week Miguel Lozano Benito |                               |  |                          |                                      |            |          |       |  |  |  |
| Machine Supe                                      | ervisor this wee              | k  | Emiliano                 | Piselli                              |            |          |       |  |  |  |
|   |                               |  | Beam S                   | cheduled                             |            |          |       |  |  |  |
| GPS   | Yes                           | HRS  |                          | Stand by                             | HIE-ISO    |          | Yes   |  |  |  |
|   | Bea                           | am Av  | ailability l             | by Destination                       | (AFT)      |          |       |  |  |  |
| GPS   | %                             | HRS  |                          | % N/A                                | HIE-ISO    |          | 90.6% |  |  |  |
| Facility Status                                   |                               |  |                          |                                      |            |          |       |  |  |  |
| Summary   | preparation for -50Ca16+ (rad | -44Ca15+ (stable) at 7 MeV/u delivered to ISS (XT02) the first of August in preparation for the radioactive beam50Ca16+ (radioactive) at 7 MeV/u delivered to ISS (XT02) from GPS the second of August. Laser ionized. |                          |                                      |            |          |       |  |  |  |
| Issues  |                               | amplit<br>ower:  | ude drift.<br>supply had | I to be replaced.<br>lasers on Sunda |            |          |       |  |  |  |
| Plans   | A new run for I               | SS wil   | I start on T             | uesday/Wednes                        | sday. 49Ca | at 7.5 M | leV/u |  |  |  |
| Intervention Request                              |                               |  |                          |                                      |            |          |       |  |  |  |
| Yes / No  | Duration                      | Preferred date/time  |                          |                                      |            |          |       |  |  |  |
| Reason  |                               |  |                          |                                      |            |          |       |  |  |  |
| Impact  |                               |  |                          |                                      |            |          |       |  |  |  |

|   |  |  | PS   |  |  |   |  |  |  |  |
|---|--|--|--|--|--|---|--|--|--|--|
| Machine Coor  | dinator last   | week Ma  | atthew Fraser  |  |  |   |  |  |  |  |
| Machine Coor  | dinator this   | week Be  | ettina Mikulec   |  |  |   |  |  |  |  |
| Beam Scheduled  |  |  |  |  |  |   |  |  |  |  |
| East Area   | Yes  | nTOF   | Yes  | AD   | Yes  | SPS   | Yes  |  |  |  |
|   | Beam Availability by Destination (AFT)   |  |  |  |  |   |  |  |  |  |
| AD  | 95%  | EA N   | 97%  | EA T8  | 97%  | EA T9   | 97%  |  |  |  |
| nTOF  | 95%  | SPS  | 91%  |  |  |   |  |  |  |  |
|   |  |  | Facility Sta   | atus   |  |   |  |  |  |  |
| Summary   | <ul> <li>n_TOF requested low intensity cycles in place of nominals: 2 x 50E10, 2 x 100E10, 2 x 200E10 (probably will not be requested again this year)</li> <li>Increased SFTPRO V emittance from 2.2 um to 3.5 um to help SPS improve beam loss at TT20 beam splitters: transmission reported good in SPS</li> <li>BGI team continued measurement campaign, including multi-bunch beams</li> <li>Access needed on Monday morning to repair C11 amplifier (1h45 downtime)</li> </ul> |  |  |  |  |   |  |  |  |  |
| Issues  | generate persiste  SIS blood situation missing, timing waser. To water flein PC of   | or swapped, switched, switched, switched, thought, even on the follow ow probled F16.BHZ | failed early We do in (7h down ed back to repart of the caused by the ca | time). Problime). Problimed operations of the control of the contr | blems with reational gener on Thursday our of SIS who this case are reproduced ednesday are 3h downting. | eliability of<br>ator over<br>morning:<br>nen BI acc<br>n MD bean<br>d on a sp<br>nd water v<br>ne) | f spare weekend confusing quisitions are m: the ELFT ecific timing ralve failure |  |  |  |
| Need to access to fix C20-92's amplifier (1h30 needed): but not urgent as multi-bunch beams affected (no LHC beams) and can use spare C20-80 until a suitable access opportunity arises |  |  |  |  |  |   |  |  |  |  |
|   |  | ı  | ntervention R  | equest   |  |   |  |  |  |  |
| No  | Duration   |  | Pre  | ferred da  | te/time  |   |  |  |  |  |
| Reason  |  |  |  |  |  |   |  |  |  |  |
| Impact  |  |  |  |  |  |   |  |  |  |  |

| PS East Area                               |   |                              |      |                      |            |            |      |     |     |
|--|---|------------------------------|------|----------------------|------------|------------|------|-----|-----|
| Facility Coordinator last week D. Banerjee |   |                              |      |                      |            |            |      |     |     |
| Facility Coord                             | dinator this                              | week                         | L. J | James Nev            | ay         |            |      |     |     |
|  |   |                              |      | Beam Sch             | neduled    |            |      |     |     |
| <i>T</i> 8                                 | Yes                                       | <i>T</i> 9                   |      | Yes                  | T10        | Yes        |      | T11 | No  |
|  | Beam A                                    | vailabi                      | lity | by Destina           | ation (AFT | ) General: | 97.2 | 2%  |     |
| Running T8                                 | 97.2%                                     | T9                           |      | 97.2%                | T10        | 97.2%      |      | T11 | N/A |
| Facility Status                            |   |                              |      |                      |            |            |      |     |     |
| Summary                                    | T09: No iss<br>T10: Brief o<br>T11: No us | lowntim                      | _    |                      | •          |            |      |     | S.  |
|  |   |                              |      |                      |            |            |      |     |     |
| Plans                                      |   |                              |      | ontinues<br>ontinues |            |            |      |     |     |
| Intervention Request                       |   |                              |      |                      |            |            |      |     |     |
| Yes  | Duration                                  | Duration Preferred date/time |      |                      |            |            |      |     |     |
| Reason                                     |   |                              |      |                      |            |            |      |     |     |
| Impact                                     |   |                              |      |                      |            |            |      |     |     |

|                | PS nTOF  |           |                |           |                     |  |  |  |  |  |  |
|----------------|--|-----------|----------------|-----------|---------------------|--|--|--|--|--|--|
| Facility Coord | linator last v   | veek N    | /lichael Bacak |           |                     |  |  |  |  |  |  |
| Facility Coord | linator this v   | veek N    | lichael Bac    | cak       |                     |  |  |  |  |  |  |
| Beam Requested |  |           |                |           |                     |  |  |  |  |  |  |
| Yes            |  |           |                |           |                     |  |  |  |  |  |  |
|                |  |           | Facilit        | y Status  |                     |  |  |  |  |  |  |
| Summary        | Progressing with physics programme according to planning.  Profited from the prepared low intensity variant (50e10 instead of 800e10 protons) for diamond detector test – extends energy range for flux measurement due to less gamma-flash. Many thanks to the PS team. |           |                |           |                     |  |  |  |  |  |  |
| Issues         | No issues of   | on experi | ment side      |           |                     |  |  |  |  |  |  |
| Plans          | EAR1: 243Am(n,f) In stable data taking mode. Continues for for about 2 weeks. RP-veto in the area. Next experiment prepared last Monday and ready to move in.  |           |                |           |                     |  |  |  |  |  |  |
|                |  |           | Foreseen       | Beam Stop |                     |  |  |  |  |  |  |
| Yes            | Duration   | 8h        |                | Date/Time | WED 09.08.23; 09h00 |  |  |  |  |  |  |

|                    | AD - ELENA                                      |        |           |           |             |       |  |  |  |  |
|--------------------|---|--------|-----------|-----------|-------------|-------|--|--|--|--|
| Machine Supe       | ervisor last weel                               | ζ.     | Pierre F  | reyermuth |             |       |  |  |  |  |
| Machine Supe       | ervisor this weel                               | k      | Bertran   | d Lefort  |             |       |  |  |  |  |
|                    | Beam Scheduled Scheduled                        |        |           |           |             |       |  |  |  |  |
| AD                 | Yes   |        |           | ELENA     |             | Yes   |  |  |  |  |
| Availability (AFT) |   |        |           |           |             |       |  |  |  |  |
| AD                 | 85% <b>ELENA</b> 85%                            |        |           |           |             |       |  |  |  |  |
| Facility Status    |   |        |           |           |             |       |  |  |  |  |
| Summary            | Extracted intensincrease of the A change of the | PŠ pr  | oton inte | nsity.    |             |       |  |  |  |  |
| Issues             | Few trip of the N                               | √ain b | ending p  | ower supp | ly, resetta | ble.  |  |  |  |  |
| Plans              |   |        |           |           |             |       |  |  |  |  |
|                    | Intervention Request                            |        |           |           |             |       |  |  |  |  |
| Yes / No           | Duration  |        |           | Prefe     | rred date   | /time |  |  |  |  |
| Reason             |   |        |           |           |             |       |  |  |  |  |
| Impact             |   |        |           |           |             |       |  |  |  |  |

| SPS  |  |   |                |              |          |          |    |  |  |
|--|--|---|----------------|--------------|----------|----------|----|--|--|
| Machine Co   | oordinator la  | st week   | F.M. Velotti   |              |          |          |    |  |  |
| Machine Co   | oordinator th  | is week   | C. Zannini     |              |          |          |    |  |  |
|  |  |   | Beam So        | heduled      |          |          |    |  |  |
| LHC  | No   | NA  | Yes            | AWAKE        | Yes      | HiRadMat | No |  |  |
|  |  | Beam  | Availability b | y Destinatio | on (AFT) |          |    |  |  |
| LHC  | -  | NA  | 85%            | AWAKE        | 97%      | HiRadMat | -  |  |  |
|  |  |   | Facility       | Status       |          |          |    |  |  |
| Summary  | cycle basically not affected and losses in TT20 reduced by 10% with emittance from 2.2 um to 3.6 um  • Empty bucket channelling kept from Thursday morning (in parallel with Adaptive Bayesian controller) to Monday - to be decided what to do. As the SC changes are minimal these days, it could be kept also longer.  - Dedicated MD on testing crystal shadowing and EBC together - worked as expected but no additional loss reduction measured. |   |                |              |          |          |    |  |  |
| Issues   | - Recu<br>issue<br>- MKF<br>- 800<br>durir   | issue of the week in the SPS  - MKP problem: replaced heater module Gen2 PFN3 dump switch |                |              |          |          |    |  |  |
| Plans  - Need to agree with PS for 1.5h stop to plan this week for 20 MHz cavities for LHC beams - Discussions ongoing to schedule possible AWAKE dedicated run and to free time for NA61 – physics coordination following this up |  |   |                |              |          |          |    |  |  |
|  |  |   |                | n Request    |          |          |    |  |  |
| No   | Duration   |   |                | Preferred d  | ate/time |          |    |  |  |
| Reason   |  |   |                |              |          |          |    |  |  |
| Impact   |  |   |                |              |          |          |    |  |  |

|  | SPS North Area  |   |  |   |   |  |   |  |  |  |
|--|---|---|--|---|---|--|---|--|--|--|
| Facility Co  | ordinator l   | ast week  | D. Banerjee  |   |   |  |   |  |  |  |
| Facility Co  | ordinator t   | his week  | James Nev  | /ay   |   |  |   |  |  |  |
| Beam Scheduled   |   |   |  |   |   |  |   |  |  |  |
| H2   | Yes   | Н6  | Yes  | K12   | Yes   | P42  | Yes   |  |  |  |
| H4   | Yes   | Н8  | Yes  | M2  | Yes   | TT20   | Yes   |  |  |  |
|  | В   | eam Availa  | oility by Des  | tination (AF  | T) General:   | 80.7%  |   |  |  |  |
| H2   | 79.6%   | Н6  | 79.6%  | K12   | 79.6%   | P42  | 79.6%   |  |  |  |
| H4   | 79.6%   | Н8  | 79.6%  | M2  | 79.6%   | TT20   | 79.6%   |  |  |  |
|  |   |   |  | ity Status  |   |  | ominent with  |  |  |  |
| Summary  | 120 Get H4: Sm H6: Op H8: State (wobbling M2: State configuration however of the CCESAF P42/K1 T2/T4/-27 units lower in Gev/c F with 22 | eV/c. SY/EPC<br>nooth operation ongo<br>able operation of the<br>able operation of the<br>earthe server<br>CESAR server<br>CESA | c and TE/MScon. ing smoothly n. Request for mplying negation nontinues. power converted the old der on 2nd Augum operation, Now with 40 release for Thurse V/c P42) will T10 until end | c continue in a series of 300 GeV/c ative 120 | negative be<br>//c for H6).<br>installed for<br>AR which wa<br>change only<br>ne MD. This<br>T4, so in or<br>5 (T4) - 35 (T<br>. The wobbli<br>14 <sup>th</sup> Aug. No | NA64mu has fixed on 2 y took effect was confirmeder to have 16). Wobblining (-120 GeA62 would to | ednesday<br>ad wrong<br>25th July,<br>t after the restart |  |  |  |
| Issues   | 110. 1  | LA CA /OLUNIE   |  |   |   |  |   |  |  |  |
| <ul> <li>H2: NA61/SHINE continues.</li> <li>H4: CMS-HGCAL → CMS ZDC EM</li> <li>H6: ATLAS ITK, RD42 → ATLAS Itk Strip</li> <li>H8: QFIB, SND -&gt; SND</li> <li>M2: NA64mu → MUonE/AMBER Changeover</li> </ul> |   |   |  |   |   |  |   |  |  |  |
|  |   |   | Intervent  | ion Request   | ts  |  |   |  |  |  |
| No   | Duratio   | on  | Preferre   | ed date/time  |   |  |   |  |  |  |

|  | SPS AWAKE  |                             |   |                  |                 |          |                  |                    |                     |           |  |
|--|--|-----------------------------|---|------------------|-----------------|----------|------------------|--------------------|---------------------|-----------|--|
| Facility Coordinator last week Giovanni Zevi Della Porta   |  |                             |   |                  |                 |          |                  |                    |                     |           |  |
| Facility Coord   | linator this w   | /eek                        | -   |                  |                 |          |                  |                    |                     |           |  |
| Facility Status  |  |                             |   |                  |                 |          |                  |                    |                     |           |  |
| Monday-Wednesday: completed commissioning of new Plasma Source and installation of Rubidium density diagnostics. Filled Rubidium reservoirs.  Thursday: started proton run  Summary of the week: very reliable proton beam |  |                             |   |                  |                 |          |                  |                    |                     |           |  |
|  | SPS extrac   | -ti                         |   | М                | I               | W        | Th               | F                  | S                   | S<br>1272 |  |
| Summary  | <b>O</b> : <b>O O</b> /ttirat  |                             | A)A/AIZE  |                  |                 |          | 589              | 429                | 832                 |           |  |
|  | Hours of bo  |                             |   | 1                |                 |          | 4.5              | 2.7                | 5.2                 | 7.8       |  |
|  | Hours with   | no be                       | am  |                  |                 |          | 0                | 0.2                | 0                   | 0         |  |
|  | - Satu<br>- Sun  | rsday a<br>urday:<br>day: s | and Friday: be<br>access (align<br>elf-modulation | diagno<br>at con | stics)<br>stant | and firs | t plasr<br>and w | na (coi<br>ith den | nstant<br>isity ste | ер        |  |
| Issues   |  |                             | ig issue was p<br>new PLL boai                    |                  |                 |          |                  | ot pres            | sent"):             | tracked   |  |
| Plans  | Continue beam commissioning of new Plasma Source, Collect physics datasets |                             |   |                  |                 |          |                  |                    |                     |           |  |
|  | Foreseen beam stop   |                             |   |                  |                 |          |                  |                    |                     |           |  |
| Yes / No   | Duration   |                             |   | date/ti          | me              |          |                  |                    |                     |           |  |

|  | LHC   |  |   |  |  |  |  |  |  |  |  |
|--|---|--|---|--|--|--|--|--|--|--|--|
| Machine Cool                               | rdinator last wee   | k Enrico Bravi   | n   |  |  |  |  |  |  |  |  |
| Machine Coordinator this week Elias Metral |   |  |   |  |  |  |  |  |  |  |  |
|  | Statistics  |  |   |  |  |  |  |  |  |  |  |
| Availability                               | 0%  |  | Stable Beam Ratio                                     | 0%   |  |  |  |  |  |  |  |
| Facility Status                            |   |  |   |  |  |  |  |  |  |  |  |
| Summary                                    | replacement of<br>Tuesday evening   | the M2 bellow a<br>ng. Cooling down<br>econnection and | nd all other related act<br>n of the triplet and D1 s | the triplet left of 8. The trivities were completed by started in the morning of f the arc 78 was supposed |  |  |  |  |  |  |  |
| Issues                                     | He leak between the cold mass and insulation vacuum of inner triplet left of 8 due to failure of the M2 line bellow. Repair and recovery without complete warm-up of sector 78 ongoing. |  |   |  |  |  |  |  |  |  |  |
| Plans                                      | Plans  Complete cool down of sector 78, then ELQA at cold and powering tests. Plan to restart operation with beam in week 37.   |  |   |  |  |  |  |  |  |  |  |
|  | Intervention Request  |  |   |  |  |  |  |  |  |  |  |
| Yes / No                                   | Duration  |  | Preferred date/time                                   |  |  |  |  |  |  |  |  |

| Linac 3                      |  |            |                     |  |  |
|------------------------------|--|------------|---------------------|--|--|
| Machine Supervisor last week |  | R. Wegner  | R. Wegner           |  |  |
| Machine Supervisor this week |  | D. Kuchler |                     |  |  |
| Statistics                   |  |            |                     |  |  |
| Availability                 | N/A (Beam commissioning)   |            |                     |  |  |
| Facility Status              |  |            |                     |  |  |
| Ion species                  | Pb   |            |                     |  |  |
| Summary                      | Source running quite stable  Beam commissioning ongoing  * ramping cavity scans  * optimisation of transmission  * stripper foil measurements  Improvements on the new RF systems  * digital LLRF limiter implemented to avoid amplifier over-drive  * acquisition issue of ramping cavity solved (amplitude and phase)  * cavity1 phase setting and acquisition values matched  * patch to avoid software crashes |            |                     |  |  |
| Issues                       | Several software crashes of the digital LLRF toward the end of the week, a new patch was implemented on Friday (4.8.) evening and seems to work fine.  |            |                     |  |  |
| Plans                        | Continue Beam commissioning  |            |                     |  |  |
| Intervention Request         |  |            |                     |  |  |
| Yes / No                     | Duration   |            | Preferred date/time |  |  |
| Reason                       |  |            |                     |  |  |
| Impact                       |  |            |                     |  |  |

| CLEAR                          |   |                       |  |  |  |
|--------------------------------|---|-----------------------|--|--|--|
| Facility Coordinator last week |   | Wilfrid Farabolini    |  |  |  |
| Facility Coordinator this week |   | Alexander Malyzhenkov |  |  |  |
| Facility Status                |   |                       |  |  |  |
| Summary                        | <ul> <li>On Monday 8:10 a.m. we stopped the beam and CLEAR went to the planned 3-week shutdown.</li> <li>All magnets have been consigned, including SNI0120 that is in building 2009</li> <li>Robot controller removed for maintenance and upgrade. Second robot is also in the development</li> <li>A few teams are working within the tunnel as initially planned, e.g. pulling cables for the turbo-pump, upgrading the CLEAR power plugs</li> <li>Active work is ongoing for disassembling the old CTF3 beamline (drive bunch) to clean up the space for the 2<sup>nd</sup> clear beamline and refurbish the beamline elements: magnets, correctors, etc.</li> <li>All the team members are actively participating in the process.</li> </ul> |                       |  |  |  |
| Issues                         | No issues so far have been observed   |                       |  |  |  |
| Plans                          | <ul> <li>We anticipate continuing with this work as planned for the next two weeks</li> <li>In the second week we will also start installation for several experiments foreseen after the shutdown, for example Plasma Lens Hardware, etc.</li> </ul>   |                       |  |  |  |