

# LHC BE-BI activities in EYETS 2016/17

| Point | Instrument | Description                                                                                        | VSC | EL | GEO | ECR            | Details                      | Time in Tunnel (days) | Start End      | Impact         |
|-------|------------|----------------------------------------------------------------------------------------------------|-----|----|-----|----------------|------------------------------|-----------------------|----------------|----------------|
| 4 US  | FBCT       | FBCT new digital acquisition system (not in LHC tunnel)                                            | -   | -  | -   | -              | Belohrad                     | 10                    | 09.01<br>20.01 | 84998          |
| 4 R   | BCT        | BCTW * 1 on B1 system B                                                                            | -   | -  | -   | 1723907        | Belohrad                     | 2                     | 09.01<br>10.01 | 84998          |
| 4 R   | BCTDC      | DCCT                                                                                               |     |    |     |                | Odier                        | 10                    | ?              | 86476          |
| 4 L+R | BSRT       | BSRT maintenance, including change of optical table support, blocking passage 1 day on either side | -   | -  | -   | 1724012        | Goldblatt, Bravin            | 70                    | 12.12<br>24.03 | 86024<br>86026 |
| 4 L   | BSRTR      | Change from BSRTA to BRSTR - Done - ready for bakeout                                              | Y   | -  | Y   | 1699249        | Goldblatt, Schneider         | 20                    | 05.12<br>09.12 | 86002          |
| 4 L   | BGV        | BGV maintenance (no vacuum break)                                                                  | -   | -  | -   | -              | Zamantzas, Vlachos           | 10                    | 09.01<br>20.01 | 85068          |
| 4 L   | BWS        | BWS ferrites; Blocking of passage - Done - ready for bakeout                                       | Y   | -  | Y   | 1574899        | Veness; Hamani               | 10                    | 05.12<br>09.12 | 85837          |
| 4 R   | BQS        | Schottky maintenance                                                                               | -   | -  | -   | -              | Wendt                        | 2                     | 09.01<br>10.01 | 86034          |
| 4 L   | BGI        | Change to replacment chambers - Done - ready for bakeout                                           | Y   | -  | Y   | under approval | Storey, Schneider            | 10                    | 05.12<br>09.12 | 86749          |
| 1 R   | BPM        | BPM A 15R1 - to be finally approved                                                                | Y   | -  | -   | -              | Albertone, Boccard           | 1                     | ?              | 86212          |
| 5 L+R | BBCW       | Connect wire to power supply                                                                       | -   | -  | -   | 1705791        | Rossi, Boccard               |                       | 02.02<br>01.03 | 85564          |
| 1+5   | BRAN       | Overpressure valve test removal                                                                    | -   | -  | -   | -              | Palm, Bravin, Schneider      | 2                     | 19.12          | 86795          |
| 6     | BCT        | Installation of the digital acquisition systems for the dump intensity measurements                |     |    |     |                | Belohrad                     | ?                     | missing        | 84999          |
| 6     | BPMD       | BPMD.683451.B1                                                                                     |     |    |     |                | Albertone, Boccard           | ?                     |                |                |
| 8     | BTVI       | Remove, align and reinst all BTVI 88119                                                            | Y   | -  | Y   | -              | Burger, Schneider            | 2                     | missing        | 86032          |
| Multi | DOROS      | DOROS electronics installation                                                                     | -   | -  | -   | -              | Gasior                       | 10                    | 09.01<br>20.01 | Multi          |
| Multi | BPM        | Maintenance of BPMs                                                                                | -   | -  | -   | -              | Albertone, Boccard           | 10                    | 09.01          | Multi          |
| Multi | BTV        | Maintenance of BTVs                                                                                | -   | -  | -   | -              | Burger                       | 8                     | 09.01<br>18.01 | 85428          |
| Multi | BLM        | Maintenance of BLMS                                                                                | -   | -  | -   | 1717231        | Zamantzas, Effinger, Grishin |                       |                | Multi          |

# Details BLM (s. Grishin)

| System  | machin | locator | approved | progress | Subject                                              | IMPACT                |
|---------|--------|---------|----------|----------|------------------------------------------------------|-----------------------|
| BGV     | LHC    | IP4     | yes      |          | Access during last 5 weeks                           | <a href="#">85068</a> |
| BLMD    | LHC    | IP2     | yes      |          | IP2: validation (check out) of diamond BLM system    | <a href="#">86876</a> |
| BLMD    | LHC    | IP4     | yes      |          | IP4: validation (check out) of diamond BLM system    | <a href="#">86879</a> |
| BLMD    | LHC    | IP6     | yes      |          | IP6: validation (check out) of diamond BLM system    | <a href="#">86874</a> |
| BLMD    | LHC    | IP7     | yes      |          | IP7: validation (check out) of diamond BLM system    | <a href="#">86875</a> |
| BLMD    | LHC    | IP8     | yes      |          | IP8: validation (check out) of diamond BLM system    | <a href="#">86877</a> |
| BLMLHC  | LHC    | 15R1    | yes      | complete | 15R1 (QBBI) removal for opening the interconnect     | general               |
| BLMLHC  | LHC    | 15R1    | yes      |          | 15R1 (QBBI) removal for opening the interconnect     | general               |
| BLMLHC  | LHC    | 6R1     | open     |          | AFP                                                  |                       |
| BLMLHC  | LHC    | 6L1     | yes      | complete | ALFA - current mobile installation                   | <a href="#">87476</a> |
| BLMLHC  | LHC    | 6L1     | open     |          | ALFA - shielding installation                        | <a href="#">87476</a> |
| BLMLHC  | LHC    | IP1     | yes      | complete | BLM Installation for D1 measurements                 | <a href="#">86255</a> |
| BLMLHC  | LHC    | 31L2    | yes      |          | Check with Irradiator                                | ???                   |
| BLMLHC  | LHC    | 31L2    | yes      | complete | Exchange magnet A31L2 and opening of interconnectio  | <a href="#">86386</a> |
| BLMLHC  | LHC    | 31L2    | yes      |          | Exchange magnet A31L2 and opening of interconnectio  | <a href="#">86386</a> |
| BLMLHC  | LHC    | IP7     | yes      |          | ICs for Crystal Collimators                          | general               |
| BLMLHC  | LHC    | A1L8    | open     |          | Ionization Gauge Integration in Vacuum Sector A1L8.X |                       |
| BLMLHC  | LHC    | IP1     | yes      |          | IP1: Maintenance and verification of BLM system      | <a href="#">86927</a> |
| BLMLHC  | LHC    | IP2     | yes      |          | IP2: Maintenance and verification of BLM system      | <a href="#">86929</a> |
| BLMLHC  | LHC    | IP3     | yes      |          | IP3: Maintenance and verification of BLM system      | <a href="#">86933</a> |
| BLMLHC  | LHC    | IP4     | yes      |          | IP4: Maintenance and verification of BLM system      | <a href="#">86936</a> |
| BLMLHC  | LHC    | IP5     | yes      |          | IP5: Maintenance and verification of BLM system      | <a href="#">86937</a> |
| BLMLHC  | LHC    | IP6     | yes      |          | IP6: Maintenance and verification of BLM system      | <a href="#">86938</a> |
| BLMLHC  | LHC    | IP7     | yes      |          | IP7: Maintenance and verification of BLM system      | <a href="#">86939</a> |
| BLMLHC  | LHC    | IP8     | yes      |          | IP8: Maintenance and verification of BLM system      | <a href="#">86941</a> |
| BLMLHC  | LHC    | L2      | open     |          | L2: blindable injection monitors                     | general               |
| BLMLHC  | LHC    | LHC     | open     |          | Labels installation                                  | general               |
| BLMLHC  | LHC    | IP6     | open     |          | LBDS works (clean up 15 MKD, 10 MKB)                 |                       |
| BLMLHC  | LHC    | L2      | yes      |          | MKI2D rotation - Q5                                  | general               |
| BLMLHC  | LHC    | R8      | yes      |          | MKI8D rotation - Q5                                  | general               |
| BLMLHC  | LHC    | R8      | open     |          | R8: blindable injection monitors                     |                       |
| BLMLHC  | LHC    | S12     | open     |          | Rechauffer le secteur 12 pendant le EYETS            | <a href="#">86386</a> |
| BLMLHC  | LHC    | IP4     | open     |          | RF zone intervention                                 |                       |
| BLMLHC  | LHC    | IP8     | open     |          | The reparation of the vacuum module 6R8              | general               |
| BLMLHC  | LHC    | LHC     | yes      |          | The verification of installation for 3D drawings     | general               |
| BLMLHC  | LHC    | S81     | open     |          | Tomography test                                      | general               |
| BLMLHC  | LHC    | L4      | yes      |          | Water leak on B22L4                                  | <a href="#">86936</a> |
| BLMLHC  | LHC    | L5      | open     |          | XRP at 04L5 has been removed                         |                       |
| CryoBLM | LHC    | 09L5    | yes      |          | Change of HV and signal boxes                        | <a href="#">86886</a> |
| CryoBLM | LHC    | 09R7    | yes      |          | Change of HV and signal boxes                        | <a href="#">86886</a> |
| CryoBLM | LHC    | TZ76    | yes      |          | maintenance of system in TZ76                        | <a href="#">86886</a> |
| CryoBLM | LHC    | USC55   | yes      |          | maintenance of system in USC55                       | <a href="#">86886</a> |
| CryoBLM | LHC    | 09L5    | yes      |          | New cables from 09L5 to BY02 in USC55                | <a href="#">86886</a> |
| oBLM    | LHC    | 8L8     | yes      |          | oBLM installation                                    | <a href="#">86719</a> |



## **DOROS (M. Gasior)**

**DOROS activities will concern:**

- **Adding new DOROS electronics for the new collimators with BPMs in P7 (TCSPM and TCPP);**
- **Adding new DOROS electronics for the BBLR collimator in P5 (TCTW);**
- **Potentially upgrading DOROS installations in P1, P2, P5, P6 and P8.**

**The work will be just installation of electronic modules and connecting them to the beam signals, Ethernet and timing fibres.**

**For the new installations the estimate is two days per point and for the upgrades also two days per point.  
Most of the concerned locations are UAs.**