BE Beams Department

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) - ongoing	-	-	-	-	Belohrad	10	09.01 20.01	84998
4 R	BCT	BCTW * 1 on B1 system B - ongoing	-	-	-	1723907	Belohrad	2	09.01 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 24.03	86024 86026
4 L	BSRTR	Change from BSRTA to BRSTR - Done - undergoing bakeout	Y	-	Y	1699249	Goldblatt, Schneider	20	05.12 09.12	86002
4 L	BGV	BGV maintenance (no vacuum break)	-	-	-	-	Zamantzas, Vlachos	10	09.01 20.01	85068
4 L	BWS	BWS ferrites; Blocking of passage - Done - undergoing bakeout	Y	-	Y	1574899	Veness; Hamani	10	05.12 09.12	85837
4 R	BQS	Schottky maintenance	-	-	-	-	Wendt	2	09.01 10.01	86034
4 L	BGI	Change to replacment chambers - Done - undergoing bakeout	Y	-	Y	approved 1739615	Storey, Schneider	10	05.12 09.12	86749
1 R	BPM	BPM A15R1 - checked and closed	Y	-	-	-	Albertone, Boccard	1	?	86212
5 L+R	BBCW	Connect wire to power supply	-	-	-	1705791	Rossi, Boccard		02.02 01.03	85564
1+5	BRAN	Overpressure valve test removal - Done, now on the way to pressure test	-	-	-	-	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 reinstall BTVI 88119	Y	-	Y	-	Burger, Schneider	2		86032
Multi	DOROS	DOROS electronics installation	-	-	-	-	Gasior	10	09.01 20.01	Multi
Multi	BPM	Maintenance of BPMs	-	-	-	-	Albertone, Boccard	10	09.01	Multi
Multi	BTV	Maintenance of BTVs	-	-	-	-	Burger	8	09.01 18.01	85428
Multi	BLM	Maintenance of BLMS	-	-	-	1717231	Zamantzas, Effinger, Grishin			Multi

Details BLM (S. Grishin)

System	machin	location	approved	progress	Subject	IMPACT
BGV	LHC	IP4	yes		Access during last 5 weeks	85068
BLMD	LHC	IP2	yes		IP2: validation (check out) of diamond BLM system	86876
BLMD	LHC	IP4	yes		IP4: validation (check out) of diamond BLM system	86879
BLMD	LHC	IP6	yes		IP6: validation (check out) of diamond BLM system	86874
BLMD	LHC	IP7	yes		IP7: validation (check out) of diamond BLM system	86875
BLMD	LHC	IP8	yes		IP8: validation (check out) of diamond BLM system	86877
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	87476
BLMLHC	LHC	6L1	open		ALFA - shielding installation	87476
BLMLHC	LHC	IP1	yes	complete	BLM Installation for D1 measurements	86255
BLMLHC	LHC	31L2	yes		Check with Irradiator	???
BLMLHC	LHC	31L2	yes	complete	Exchange magnet A31L2 and opening of interconnectio	86386
BLMLHC	LHC	31L2	yes		Exchange magnet A31L2 and opening of interconnectio	86386
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	86927
BLMLHC	LHC	IP2	yes		IP2: Maintenance and verification of BLM system	86929
BLMLHC	LHC	IP3	yes		IP3: Maintenance and verification of BLM system	86933
BLMLHC	LHC	IP4	yes		IP4: Maintenance and verification of BLM system	86936
BLMLHC	LHC	IP5	yes		IP5: Maintenance and verification of BLM system	86937
BLMLHC	LHC	IP6	yes		IP6: Maintenance and verification of BLM system	86938
BLMLHC	LHC	IP7	yes		IP7: Maintenance and verification of BLM system	86939
BLMLHC	LHC	IP8	yes		IP8: Maintenance and verification of BLM system	86941
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	86386
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	86936
BLMLHC	LHC	L5	open		XRP at 04L5 has been removed	
CryoBLM	LHC	09L5	yes		Change of HV and signal boxes	86886
CryoBLM	LHC	09R7	yes		Change of HV and signal boxes	86886
CryoBLM	LHC	TZ76	yes		maintenance of system in TZ76	86886
CryoBLM	LHC	USC55	yes		maintenance of system in USC55	86886
CryoBLM	LHC	09L5	yes		New cables from 09L5 to BY02 in USC55	86886
oBLM	LHC	8L8	yes		oBLM installation	86719

Details BPM (Ch. Boccard)

Impact	Location	Subject	Task
85564	5R	Wire collimator TCTPH.4R5.B2	cablage des BPM et du fil sur le TCTPH.4R5.B2 + tests
85558	5L	Wire collimator TCL.4L5.B2	cablage des BPM et du fil sur le TCL.4L5.B2 + tests
85566	7L	Installation of BPM collimator TCPP.C6L7.B1	cablage des BPM sur le TCPP.C6L7.B1 + tests
85565	7R	Installation of BPM collimator TCSM.D4R7.B2	cablage des BPM sur le TCSM.D4R7.B2 + tests
85567	1L	Cablage du BPMSA for AFP 6L1	cablage du BPMSA pour AFP en 6L1 + tests

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.