

## BLM Project schedule

Baseline as of 2017-05 (from P6)

(Installation and Commissioning plans are currently being updated, but this BLM schedule is consistent with the most aggressive anticipated deployment plan)

<b>WBS: 11.7.2.2 BLM Ionization Chamber (IC) design and production</b>		16-Jul-2014 A	12-Feb-2019
WBS: 11.7.2.2.1 IC detector design and production		16-Jul-2014 A	01-Jun-2017
A53970	LEVEL5.ACCSYS.WP07.Start date - CERN Beam Loss Monitc	16-Jul-2014 A	
A53960	CERN Beam Loss Monitor Purchase - Support (Slava Grishin)	01-Sep-2014 A	21-Dec-2015 A
A47160	CERN Beam Loss Monitor Purchase - order & reception of materi	02-Sep-2014 A	31-Mar-2015 A
A146020	IC detector preliminary design development	08-Jan-2015 A	18-Apr-2016 A
A53980	CERN Beam Loss Monitor Purchase - Test of material	04-May-2015 A	29-Jan-2016 A
A20152620	CERN Beam Loss Monitor Purchase - Support (Slava Grishin) 2l	07-Jan-2016 A	28-Sep-2016 A
A20160660	CERN Beam Loss Monitor Purchase - Shipment of material to P	01-Apr-2016 A	15-Aug-2016 A
A54000	CERN Beam Loss Monitor Purchase - IC Production, first 400	15-Aug-2016 A	14-Feb-2017 A
A54020	CERN Beam Loss Monitor Purchase - IC Production, remainder	09-Jan-2017 A	20-Feb-2017 A
A54010	CERN Beam Loss Monitor Purchase - Reception test at GIF++,	28-Feb-2017 A	01-Jun-2017
WBS: 11.7.2.2.2 IC System design		01-Apr-2016 A	09-Mar-2018
A20156790	IC System preliminary design	01-Apr-2016 A	07-Jun-2017
A20156800	LEVEL3.ACCSYS.WP07.PDR BLM IC	08-Jun-2017*	
A20156810	IC System detail design	08-Jun-2017	07-Mar-2018
A20156820	LEVEL3.ACCSYS.WP07.CDR BLM IC	09-Mar-2018*	
WBS: 11.7.2.2.3 IC Electronics		08-Jun-2017	12-Feb-2019
A20157000	IC Electronics firmware development	08-Jun-2017	08-Mar-2018
A20159980	IC Electronics Design	08-Jun-2017	08-Mar-2018
A20157010	IC Electronics production	09-Mar-2018	11-Feb-2019
A20157020	LEVEL5.ACCSYS.WP07.IC Electronics RFI	12-Feb-2019*	
<b>WBS: 11.7.2.4 nBLM Neutrons Detector (ND) design and production</b>		04-Jul-2016 A	13-Jun-2019
A20156870	ND Lund support 2016	04-Jul-2016 A	23-Dec-2016 A
A20159050	LEVEL5.ACCSYS.WP07.Decision deadline for INK or Contract	04-Jul-2016 A	
A20184060	ND Lund support 2017	09-Jan-2017 A	22-Dec-2017
A20190710	ND Lund support 2018	03-Jan-2018*	21-Dec-2018
A20190720	ND Lund support 2019	07-Jan-2019*	13-Jun-2019
WBS: 11.7.2.4.2 Firmware Support for Saclay		06-Feb-2017 A	10-Jun-2019
A20190760	Preliminary firmware development nBLM	06-Feb-2017 A	11-Sep-2017
A20190770	Detailed firmware development nBLM	12-Sep-2017	18-May-2018
A20190790	Credit firmware development nBLM from Saclay	20-Nov-2017*	22-Dec-2017
A20190780	Final firmware development nBLM	21-May-2018	10-Jun-2019
WBS: 11.7.2.4.1 AIK 7.9 (CB value 1 180 k€) ND detector design and production (C		04-Jul-2016 A	30-Apr-2019
A20173520	Kick-off meeting	04-Jul-2016 A	
A20173530	Preliminary detector design	19-Dec-2016 A	13-Apr-2017 A
A20173540	LEVEL3.ACCSYS.WP07.PDR-1	23-Dec-2016 A	
A20190800	Initial design report for electronics for nBLM systems	05-Jun-2017*	12-Jun-2017
A20190810	Initial design report for electronics for nBLM systems - PDR-2 de	13-Jun-2017*	
A20173550	Acceptance of the completion of PDR-2	03-Jul-2017*	07-Jul-2017
A20173560	LEVEL3.ACCSYS.WP07.PDR-2	10-Jul-2017*	
A20173570	Final electronics design and initial prototype tests	13-Nov-2017*	17-Nov-2017
A20173580	LEVEL3.ACCSYS.WP07.CDR-1	20-Nov-2017*	
A20173590	Completing the design of the whole nBLM system	03-Apr-2018*	09-Apr-2018
A20173600	LEVEL3.ACCSYS.WP07.CDR-2	10-Apr-2018*	
A20173610	nBLM system vertical test report	15-Oct-2018*	19-Oct-2018
A20173620	LEVEL3.ACCSYS.WP07.nBLM vertical test report	22-Oct-2018*	
A20190820	nBLM system manufactured	05-Nov-2018*	09-Nov-2018
A20190830	LEVEL3.ACCSYS.WP07.SAR-1	12-Nov-2018*	
A20173630	Delivery and acceptance of nBLM system to ESS ERIC	03-Dec-2018*	06-Dec-2018
A20173640	LEVEL3.ACCSYS.WP07.Delivery and acceptance of nBLM syst	07-Dec-2018*	
A20173650	LEVEL3.ACCSYS.WP07.Start of nBLM installation and commis	14-Jan-2019*	
A20173660	Completion of nBLM system installation and commissioning	23-Apr-2019*	29-Apr-2019
A20173670	LEVEL3.ACCSYS.WP07.Installation and commissioning of nBL	30-Apr-2019*	