XFEL Top Level Milestones

From LLRFWiki

ready	SASE3	10 Beam to XSDU1	XTD1, XTD3,XTD5, XTD6, XTD7 XTD8 closed	8 First Lasing SASE1 possi	7 Beam	6 XTD2, closed	5 First beam XS1 Dump	SASE1 4 Instruments ready for be	3 Linac closed	2 First b	1 Injecto	T T
Einct I ocino	am	·	XTD5, XTD7, closed	ble	Beam to XSDU2	XTD2, XTD4, XTD9, XTD10 closed	to	SASE1 Instruments ready for beam	tunnel	First beam to Injector dump	or tunnel	Name
	The SASE3 instruments are ready to open the beam shutters	Beam has been passed through the SASE2 electron beam line all the way to XSDU1 $\left[1 \right]$	Technical commissioning is complete and this machine section is ready to take beam	First SASE1 (SPB & FXE) Photons in XHEXP1 possible	Beam has been passed through the SASE1/3 electron beam line all the way to XSDU2 $$	Technical commissioning is complete and this machine section is ready to take beam	Beam has been passed through the linac from injector all the way $\begin{bmatrix} \cdot \\ \cdot \end{bmatrix}$	The SASE1 instruments are ready to open the beam shutters	Technical commissioning of warm linac done. Linac is ready to be cooled down in order to take beam	Beam has been passed through the injector from the gun all the way to the injector dump	Technical commissioning of warm injector done. Injector is ready to be cooled down in order to take beam.	Description
	31 Jan 2016	15 Jan 2016	31 Dec 2015	15 Dec 2015	15 Oct 2015	30 Sep 2015	30-Sep-2015	31-Aug-2015	30-Jun-2015	30-Sep-2014	30-Jun-2014	Deadline
	20 Nov 2015	04 Mar 2016	04 Mar 2016	23 Feb 2016	20 Jan 2016	28 Sep 2015	20 Jan 2016	5 20 Nov 2015	27 Oct 2015	14-Jan-2015	01-May-2014	Date out of PIT
Delay 1	OK	Delay 2 mons	delay 2 Mons	Delay 2 mons	Delay 3 mons	OK	Delay 4 mons	delay 3 Mons	delay 4 Mons	delay 3 Mons	OK	Status
							Delay 4 Additional critical things are: Machine mons Commissioning.		Critical Items are: Cryomodules ready for installation, Cryo String Assembly, RF-System commissioning, and the path after installation of the last Cryo-String: Rack-Electronics, Cryo-Transferline.	Critical Items are: Master Laser Oscillator		Comment

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	555	19. July 2016 ???	Dec 2017	Extended beam delivery specification reached with delivery of full number of hours under user operation conditions	19 Extended beam delivery
	OK	19 July 2016	31 Jul 2016	First user experiment at SASE2 (MID & HED) possible	SASE2 18 Instruments user operation
	OK	08 Mar 2016	30 Apr 2016	First user experiment at SASE3 (SQS & SCS) possible	SASE3 17 Instruments user operation
7	Delay 1.5 mons	19 July 2016	31 May 2016	First SASE2 (MID & HED) Photons in XHEXP1 possible	16 First Lasing SASE2 possible
73	Delay 3 mons	05 July 2016	31 Mar 2016	The SASE2 instruments are ready open the beam shutters	SASE2 15 Instruments ready for beam
	OK	23 Feb 2016	31 Mar 2016	First user SASE1 (SPB & FXE) possible	SASE1 14 Instruments users operation
	OK	23 Feb 2016	31 Mar 2016	Operation starts when the accelerator complex and SASE1 start operation with a photon beam in SASE1 achieving parameters compatible to the intermediate values of Table 4.1 in the Technical Document 1 attached to the Convention and sufficient equipment installed and commissioned to perform first scientific experiments. The parameters in Table 4.1 are: Wavelength < 0.2 nm Peak brilliance > 10^30 Photons/s/mm2/mrad2/0.1%BW Dimension at sample < 1 mm2 (FWHM) Positional Stability < 50% of beam size (RMS) Photon Energy Stability < 0.1% Shot-to-shot Intensity Fluctuation < 10	13 Start Operation

[■] This page was last modified 10:12, 7 September 2012.

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