

PIT

From L¹R^FWiki

(Difference between revisions)

Revision as of 12:14, 13 August 2012 (edit)

127.0.1.1 (Talk)

← Previous diff

Line 1:

- plans/PT-2012-07-26.csv read **858** lines * /
 - 0 (*), Mon 22.08.11 **1419** d/s? (laeuth)
 1 Incoming Mon 22.08.11 1269 d/s?
 1.1 Buildings Mon 22.08.11 790 d/s?

Line 21:

1.1.17 (x) full access via X-HE1-S1 Thu 14.06.12	
1.1.18 full access via X-HE2-S2 Mon 22.08.11 1 dy?	
1.1.19 (x) XTD2 Civil Construction completed Wed 29.02.12	
1.1.20 full access via X-HE1-S1 Mon 22.08.11 1 dy?	
1.1.21 full access via X-HE3-S3 Mon 22.08.11 1 dy?	
1.1.22 (x) XTD3 Civil Construction completed Mon 18.06.12	
1.1.23 full access via X-HE2-S2 Mon 22.08.11 1 dy?	
1.1.24 full access via X-HE4-S4 Mon 22.08.11 1 dy?	
1.1.25 (x) XTD4 Civil Construction completed Mon 30.04.12	
1.1.26 full access via X-HE3-S3 Mon 22.08.11 1 dy?	
1.1.27 (x) XTD5 Civil Construction completed Mon 18.06.12	
1.1.28 full access via X-HE4-S4 Mon 22.08.11 1 dy?	
1.1.29 (x) XTD6 (MID/HED) Civil Construction completed Fri 09.11.12	
1.1.30 full access via X-HE4-S4 Mon 22.08.11 1 dy?	
1.1.31 (x) XTD7 () Civil Construction completed Mon 18.06.12	
1.1.32 (x) XTD8 () Civil Construction completed Thu 01.03.12	
1.1.33 full access via X-HE2-S2 Mon 22.08.11 1 dy?	
1.1.34 (x) XTD9 (SPB/FXE) Civil Construction completed Fri 30.03.12	
1.1.35 full access via X-HE3-S3 Mon 22.08.11 1 dy?	
1.1.36 (x) XTD10 (SQS/SCS) Civil Construction completed Mon 02.04.12	
1.1.37 (x) XSDU1 Civil Construction completed Thu 01.11.12	
1.1.38 (x) XSDU2 Civil Construction completed Mon 01.10.12	
1.1.39 (x) XHEXP1 north Civil Construction completed Mon 19.11.12	
1.1.40 (x) XHEXP1 rest Civil Construction completed Fri 21.06.13	
1.1.41 (x) XHQ rft Mon 01.09.14	

Line 1:

+ *	plans/PTT-2017-08-13.csv read, 958 lines
+ 0 (*)	Mon 22.08.11 1356 d/s? (aenft)
1	Incoming Mon 22.08.11 1 269 d/s?
1.1	Buildings Mon 22.08.11 790 d/s?

Line 21:

+	1.1.17 (x) full access via X-HE1-S1 Thu 14.06.12
+	1.1.18 full access via X-HE2-S2 Mon 22.08.11 1 dy?
+	1.1.19 (x) XTD1 ready without any installation Mon 29.04.13
+	1.1.20 (x) XTD2 Civil Construction completed Wed 29.02.12
+	1.1.21 full access via X-HE1-S1 Mon 22.08.11 1 dy?
+	1.1.22 full access via X-HE3-S3 Mon 22.08.11 1 dy?
+	1.1.23 (x) XTD2 ready without any installation Tue 18.09.12
+	1.1.24 (x) XTD3 Civil Construction completed Mon 18.06.12
+	1.1.25 full access via X-HE2-S2 Mon 22.08.11 1 dy?
+	1.1.26 full access via X-HE4-S4 Mon 22.08.11 1 dy?
+	1.1.27 (x) XTD3 ready without any installation Mon 29.04.13
+	1.1.28 (x) XTD4 Civil Construction completed Mon 30.04.12
+	1.1.29 full access via X-HE3-S3 Mon 22.08.11 1 dy?
+	1.1.30 (x) XTD4 ready without any installation Tue 18.09.12
+	1.1.31 (x) XTD5 Civil Construction completed Mon 18.06.12
+	1.1.32 full access via X-HE4-S4 Mon 22.08.11 1 dy?
+	1.1.33 (x) XTD5 ready without any installation Mon 29.04.13
+	1.1.34 (x) XTD6 (MID/HE/D) Civil Construction completed Fri 09.11.12
+	1.1.35 full access via X-HE2-S2 Mon 22.08.11 1 dy?
+	1.1.36 (x) XTD6 ready without any installation Mon 29.04.13
+	1.1.37 (x) XTD7 () Civil Construction completed Mon 18.06.12
+	1.1.38 (x) XTD7 ready without any installation Mon 29.04.13
+	1.1.39 (x) XTD8 () Civil Construction completed Thu 01.03.12
+	1.1.40 full access via X-HE4-S4 Mon 22.08.11 1 dy?
+	1.1.41 (x) XTD8 ready without any installation Mon 29.04.13
+	1.1.42 (x) XTD9 (SPB/FXE) Civil Construction completed Fri 30.03.12
+	1.1.43 full access via X-HE3-S3 Mon 22.08.11 1 dy?
+	1.1.44 (x) XTD9 ready without any installation Tue 18.09.12

1.2 Transportation Fri 02.03.12 366 dys
1.2.1 (*)e Baukran Los 5 verfügbar Fri 09.03.12 (erledigt)

Line 51:

1.2.5 (x) Zugangskontrollsystem rfi Thu 30.08.12
1.2.6 (x) Müllewupp einsatzbereit Mon 29.07.13
- [1.3 Dumps **Mon 22.08.11 146** dys
- [1.3.1 (x) Injektor DUMP rfi **Mon 22.08.11**
- [1.3.2 (x) MAIN DUMP rfi **Mon 02.01.12**
- [1.3.3 (x) BC1 DUMP rfi **Thu 15.12.11**
- [1.3.4 (x) BC2 DUMP rfi Tue 13.03.12

1.4 (!) Cryomodules Mon 22.08.11 915 dys
1.4.1 (x) ACC1 rfi Mon 22.08.11
1.4.2 (x) Third Harmonic System Modules rfi Fri 07.03.14
- [1.4.3 (x) Module group L1 rfi Mon 23.12.13

1.4.4 (x) Module group L2 rfi Tue 29.10.13
1.4.5 (x) Module group L3 CS3 rfi Thu 29.08.13

Line 68:

1.4.10 (ix) Module group L3 CS8 rfi Fri 28.11.14
1.4.11 (ix) Module group L3 CS9 rfi Fri 20.02.15
- [1.5 (!) Infrastructure Installation (start data as in WP-34 proj-pl) Mon 01.07.13 350 dys
- [1.5.1 (x) RFI in: XSI / XHE1 / XTD2 Mon 01.07.13
- [1.5.2 (ix) RFI in: XS3 / XHE3 / XTD4.9.10 / XDU2 / XHEXP1 underground / XHQ Mon 03.03.14
- [1.5.3 (ix) RFI in: XTD1 **Fri 01.08.14**
- [1.5.4 (ix) RFI in: XHE2 / XHE4 / XS2 / XS4 / XDU1 / XTD3, 5 bis 8 / XHEXP Nebengebäude Mon 03.11.14
- [1.5.5 (ix) RFI in: XHEXP1 / XHAC / XHPSC **Tue 01.04.14**
1.6 Software releases Wed 26.03.14 592 dys
1.6.1 (+x) LLRF Software beta version Fri 24.07.15
- [1.6.2 (*) LLRF Software full version Fri 01.07.16

1.6.3 (x) Control system ready for usage (injector) Wed 26.03.14
1.6.4 (x) control system ready for machine operation Mon 02.03.15

Line 83:

1.7.2 (x) 1st pulse transformer rfi Wed 26.09.12
1.7.3 (*)e Pulse Cables rfi Thu 28.06.12 (erledigt)
- [1.7.4 (ix) waveguides available (for first modules) Mon 30.09.13
1.7.5 (x) Master Oscillator running. Signals available Mon 06.01.14
1.8 Undulator Systems Wed 16.04.14 268 dys

+ [1.1.45 (x) XTD10 (SQ/SCS) Civil Construction completed Mon 02.04.12
+ [1.1.46 (x) **XTD10 ready without any installation Tue 18.09.12**
+ [1.1.47 (x) XSDU1 Civil Construction completed Thu 01.11.12
+ [1.1.48 (x) XSDU2 Civil Construction completed Mon 01.10.12
+ [1.1.49 (x) XHEXP1 north Civil Construction completed Mon 19.11.12
+ [1.1.50 (x) XHEXP1 rest Civil Construction completed Fri 21.06.13
+ [1.1.51 (x) XHQ rfi Mon 01.09.14

1.2 Transportation Fri 02.03.12 366 dys
1.2.1 (*)e Baukran Los 5 verfügbar Fri 09.03.12 (erledigt)

Line 61:

1.2.5 (x) Zugangskontrollsystem rfi Thu 30.08.12
1.2.6 (x) Müllewupp einsatzbereit Mon 29.07.13
+ [1.3 Dumps **Tue 31.12.13 261** dys
+ [1.3.1 (x) Injektor DUMP rfi **Tue 31.12.13**
+ [1.3.2 (x) MAIN DUMP rfi **Wed 31.12.14**
+ [1.3.3 (x) BC1 DUMP rfi **Tue 31.12.13**
+ [1.3.4 (x) BC2 DUMP rfi Tue 31.12.13
+ [1.3.5 (x) **XSDU1 DUMP rfi Wed 31.12.14**
+ [1.3.6 (x) **XSDU2 DUMP rfi Wed 31.12.14**

1.4 (!) Cryomodules Mon 22.08.11 915 dys
1.4.1 (x) ACC1 rfi Mon 22.08.11
1.4.2 (x) Third Harmonic System Modules rfi Fri 07.03.14
+ [1.4.3 (+x) Module group L1 rfi Mon 23.12.13

1.4.4 (ix) Module group L2 rfi Tue 29.10.13
1.4.5 (ix) Module group L3 CS3 rfi Thu 29.08.13

Line 80:

1.4.10 (ix) Module group L3 CS8 rfi Fri 28.11.14
1.4.11 (ix) Module group L3 CS9 rfi Fri 20.02.15
+ [1.5 Infrastructure Installation (start data as in WP-34 proj-pl) Mon 01.07.13 350 dys
+ [1.5.1 (x) **IS** RFI in: XSI / XHE1 / XTD2 Mon 01.07.13
+ [1.5.2 (ix) **IS** RFI in: XS3 / XHE3 / XTD4.9.10 / XDU2 / XHEXP1 underground / XHQ Mon 03.03.14
+ [1.5.3 (+x) **IS** RFI in: XTD1 **Mon 01.09.14**
+ [1.5.4 (x) **IS** RFI in: XHE2 / XHE4 / XS2 / XS4 / XDU1 / XTD3, 5 bis 8 / XHEXP Nebengebäude Mon 03.11.14
+ [1.5.5 (x) **IS** RFI in: XHEXP1 / XHAC / XHPSC **Mon 02.06.14**
1.6 Software releases Wed 26.03.14 592 dys
1.6.1 (+x) LLRF Software beta version Fri 24.07.15
+ [1.6.2 (ix) LLRF Software full version Fri 01.07.16

1.6.3 (x) Control system ready for usage (injector) Wed 26.03.14
1.6.4 (x) control system ready for machine operation Mon 02.03.15

Line 95:

1.7.2 (x) 1st pulse transformer rfi Wed 26.09.12
1.7.3 (*)e Pulse Cables rfi Thu 28.06.12 (erledigt)
+ [1.7.4 (+x) waveguides available (for first modules) Mon 30.09.13
1.7.5 (x) Master Oscillator running. Signals available Mon 06.01.14
1.8 Undulator Systems Wed 16.04.14 268 dys

Line 100:

1.8.13 (x) first Undulator for SASE3 RfI Mon 30.03.15
1.8.14 (x) last Undulator for SASE3 RfI Mon 27.04.15
- 1.9 Cryo System Mon 17.06.13 140 dys?
- 1.9.1 Injector FeedCap RfI Fri 15.11.13 1 dy?
- 1.9.2 (U) Injector Transfer Line RfI Fri 27.12.13 1 dy?
- 1.9.3 Valve Box RfI Tue 01.10.13 1 dy?
- 1.9.4 Linac Transfer Line RfI Mon 17.06.13 1 dy?
- 1.10 Laser Heater RfI Thu 02.01.14 1 dy?
- 1.11 Personnel Interlock RfI Mon 22.08.11 1 dy?
- 1.12 Gun 1 RfI Mon 22.08.11 1 dy?
- 1.13 TDS INJ RfI Mon 03.06.13 1 dy?

Line 112:

1.8.13 (x) first Undulator for SASE3 RfI Mon 30.03.15
1.8.14 (x) last Undulator for SASE3 RfI Mon 27.04.15
+ 1.9 (D) Cryo System Mon 17.06.13 165 dys
+ 1.9.1 (x) Injector Feed Cap RfI Fri 15.11.13
+ 1.9.2 (x) Injector Transfer Line RfI Fri 27.12.13
+ 1.9.3 (x) Valve Box RfI Tue 01.10.13
+ 1.9.4 (x) Linac Transfer Line RfI Mon 17.06.13
+ 1.9.5 (x) XSE Schaff transferline rF Mon 04.11.13
+ 1.9.6 (x) Feedcap 1 rF Mon 02.09.13
+ 1.9.7 (x) Endcap 1 rF Mon 02.09.13
+ 1.9.8 (+x) Feedcap 2 rF Mon 02.09.13
+ 1.9.9 (+x) Endcap 2 rF Mon 02.09.13
+ 1.9.10 (x) Feedcap 3 rF Mon 02.09.13
+ 1.9.11 (x) String-Connection-Box 1 rF Mon 02.12.13
+ 1.9.12 (x) Endcap 3 rF Mon 30.12.13
+ 1.9.13 (x) Cryo-Bypass BC2 rF Mon 02.12.13
+ 1.9.14 (x) Cryo Bypass BC1 rF Mon 03.02.14
+ 1.10 (x) Laser Heater RfI Thu 02.01.14
+ 1.11 (x) Personnel Interlock RfI Mon 13.08.12
+ 1.12 (x) Gun 1 RfI Mon 13.08.12
+ 1.13 (x) TDS INJ RfI Mon 03.06.13

Line 120:

1.14 Warm Beamline components Mon 07.01.13 410 dys
1.14.1 (x) Dogleg Girders rF Mon 27.01.14
1.14.9 (x) Magnet charge 6 rF (SWEEP SA.SK.Q.C.B) Mon 07.01.13
1.14.10 (x) Magnet charge 7 rF (92xQA.6xQE. 6xCe) Mon 07.01.13
- 1.15 Electronics is available Fri 13.12.13 376 dys
- 1.15.1 (x) Standard diagnostics (BPM, OTR, TOR, DCM) Mon 25.05.15
- 1.15.2 (x) LLRF System (1st cryostrng) rF Fri 13.12.13
- 1.15.3 (x) Intra Bunch Feedback Mon 23.02.15
- 1.15.4 (x) Timing System available and running Mon 06.01.14
- 1.15.5 (x) Interlock system installed and running Mon 06.01.14

Line 142:

1.14 Warm Beamline components Mon 07.01.13 410 dys
1.14.1 (x) Dogleg Girders rF Mon 27.01.14
1.14.9 (x) Magnet charge 6 rF (SWEEP SA.SK.Q.C.B) Mon 07.01.13
1.14.10 (x) Magnet charge 7 rF (92xQA.6xQE. 6xCe) Mon 07.01.13
+ 1.15 Electronics is available Mon 04.03.13 580 dys
+ 1.15.1 (x) Electronic Racks rF Injector UG4 +5 Mon 04.03.13
+ 1.15.2 (x) Electronic Racks rF XTIN UG7 Mon 01.04.13
+ 1.15.3 (x) Electronic Racks XTL rF Mon 01.07.13
+ 1.15.4 (x) Electronic Racks XTD rF Mon 07.10.13
+ 1.15.5 (x) Master Oscillator rF Mon 04.03.13
+ 1.15.6 (x) Standard diagnostics (BPM, OTR, TOR, DCM) Mon 25.05.15
+ 1.15.7 (x) LLRF System (1st cryostrng) rF Fri 13.12.13
+ 1.15.8 (x) Intra Bunch Feedback Mon 23.02.15
+ 1.15.9 (x) Timing System electronics rF Mon 06.01.14
+ 1.15.10 (x) Interlock system electronics rF Mon 06.01.14
1.16 Instrument available Tue 01.07.14 66 dys
1.16.1 (x) SPB available Tue 01.07.14

Line 140:

1.16 Instrument available Tue 01.07.14 66 dys
1.16.1 (x) SPB available Tue 01.07.14
1.18.4 timing signal (WP-18) for SASE3 in Exphall exailable Mon 22.08.11 1 dy?
1.18.5 (x) Laser PP hutch SASE1 rF Mon 30.12.13
- 1.18.6 (x) Laser PP hutch SASE2 / SASE3 rF Tue 30.12.14

Line 167:

1.18.4 timing signal (WP-18) for SASE3 in Exphall exailable Mon 22.08.11 1 dy?
1.18.5 (x) Laser PP hutch SASE1 rF Mon 30.12.13
+ 1.18.6 (*) Laser PP hutch SASE2 / SASE3 rF Tue 30.12.14

1.18.7 (x) Laser TW hutch SASE2 rf1 Mon 30.06.14
1.18.8 (x) Laser Table PP SASE1 rf1 Tue 30.12.14

Line 152:

1.19.2 (x) SASE2 DAQ & DM system rf1 Mon 30.09.13
1.19.3 (x) SASE3 DAQ & DM system rf1 Fri 01.03.13
- 2. Injektor Section Mon 30.07.12 741 d/s?
- 2.1 Infrastructure Installation Mon 30.07.12 215 d/s
- 2.1.1 XCIN Mon 30.07.12 215 d/s
2.1.1.1 Zugangskontrollsystem installieren Thu 30.08.12 2 wks
- 2.1.1.2 Allgemeine Stromversorgung Mon 30.07.12 180 d/s
- 2.1.1.2.1 Pritschen, Uvs, Elektroinstallation XHEIN Mon 15.10.12 30 d/s
- 2.1.1.2.2 XSIN1 Mon 27.08.12 94 d/s
- 2.1.1.2.3 XSIN2 Mon 20.08.12 95 d/s
- 2.1.1.2.4 XSIN3 Mon 30.07.12 70 d/s
- 2.1.1.2.5 XSIN4 Mon 27.08.12 110 d/s
- 2.1.1.2.6 XSIN5 Mon 10.09.12 130 d/s
- 2.1.1.2.7 XSIN6 Mon 24.09.12 140 d/s
- 2.1.1.2.8 XSIN 7 Mon 06.08.12 85 d/s
- 2.1.1.2.9 XSIN Media Shaft Mon 30.07.12 95 d/s
- 2.1.1.2.10 XTIN1 Mon 01.10.12 5 d/s
- 2.1.1.2.11 XTIN2 Mon 30.07.12 169 d/s
- 2.1.1.2.12 XTIN3 Mon 30.07.12 104 d/s
- 2.1.1.2.13 XTIN4 Mon 27.08.12 120 d/s
- 2.1.1.2.14 XTIN5 Mon 10.09.12 130 d/s
- 2.1.1.2.15 XTIN6 Mon 24.09.12 140 d/s
- 2.1.1.2.16 XTIN7 Mon 06.08.12 85 d/s
- 2.1.1.2.17 XTIN Media Shaft Mon 27.08.12 30 d/s
- 2.1.1.2.18 XHEE Mon 30.07.12 135 d/s
- 2.1.1.2.19 XSE1 Mon 24.09.12 5 d/s
- 2.1.1.2.20 XSE2 Mon 20.08.12 95 d/s
- 2.1.1.2.21 XSE3 Mon 30.07.12 70 d/s
- 2.1.1.2.22 XSE4 Mon 03.09.12 115 d/s
- 2.1.1.2.23 XSE5 Mon 10.09.12 130 d/s
- 2.1.1.2.24 XSE6 Mon 22.10.12 5 d/s
- 2.1.1.2.25 XSE7 Mon 06.08.12 80 d/s
- 2.1.1.3 Vermessung Mon 30.07.12 10 d/s
- 2.1.1.3.1 Initial Survey Mon 30.07.12 2 wks
- 2.1.1.3.2 Dump einmessen Mon 30.07.12 1 wk
- 2.1.1.4 Wasserkühlung und Druckluft Mon 30.07.12 154 d/s
- 2.1.1.4.1 XTIN Media Shaft Mon 30.07.12 50 d/s
- 2.1.1.4.2 XSIN Mon 10.09.12 105 d/s
- 2.1.1.4.3 XTIN Mon 01.10.12 105 d/s
- 2.1.1.4.4 Restarbeit Mon 04.02.13 19 d/s

1.18.7 (x) Laser TW hutch SASE2 rf1 Mon 30.06.14
1.18.8 (x) Laser Table PP SASE1 rf1 Tue 30.12.14

Line 179:

1.19.2 (x) SASE2 DAQ & DM system rf1 Mon 30.09.13
1.19.3 (x) SASE3 DAQ & DM system rf1 Fri 01.03.13
+ 2. Injektor Section Mon 30.07.12 741 d/s? (laeuth)
+ 2.1 Infrastructure Installation Mon 30.07.12 215 d/s (laeuth)
+ 2.1.1 XCIN Mon 30.07.12 215 d/s (laeuth)
2.1.1.1 Zugangskontrollsystem installieren Thu 30.08.12 2 wks
+ 2.1.1.2 (+e Gebäudeanlagen trocken Tue 31.07.12 2 wks (erledigt)
+ 2.1.1.3 Restarbeiten ARGE, Estrich, Streichen UG6.7 Tue 31.07.12 3 wks (laeuth)
+ 2.1.1.4 Allgemeine Stromversorgung Mon 30.07.12 180 d/s (laeuth)
+ 2.1.1.4.1 Pritschen, Uvs, Elektroinstallation XHEIN Mon 15.10.12 30 d/s
+ 2.1.1.4.2 XSIN1 Mon 27.08.12 94 d/s
+ 2.1.1.4.3 XSIN2 Mon 20.08.12 95 d/s
+ 2.1.1.4.4 XSIN3 Mon 30.07.12 70 d/s
+ 2.1.1.4.5 XSIN4 Mon 27.08.12 110 d/s
+ 2.1.1.4.6 XSIN5 Mon 10.09.12 130 d/s
+ 2.1.1.4.7 XSIN6 Mon 24.09.12 140 d/s
+ 2.1.1.4.8 XSIN 7 Tue 14.08.12 85 d/s
+ 2.1.1.4.9 XSIN Media Shaft Mon 30.07.12 95 d/s (laeuth)
+ 2.1.1.4.10 XTIN1 Mon 01.10.12 5 d/s
+ 2.1.1.4.11 XTIN2 Mon 30.07.12 169 d/s
+ 2.1.1.4.12 XTIN3 Mon 30.07.12 104 d/s
+ 2.1.1.4.13 XTIN4 Mon 27.08.12 120 d/s
+ 2.1.1.4.14 XTIN5 Mon 10.09.12 130 d/s
+ 2.1.1.4.15 XTIN6 Mon 24.09.12 140 d/s
+ 2.1.1.4.16 XTIN7 Tue 14.08.12 85 d/s
+ 2.1.1.4.17 XTIN Media Shaft Tue 04.09.12 30 d/s (laeuth)
+ 2.1.1.4.18 XHEE Mon 30.07.12 135 d/s
+ 2.1.1.4.19 XSE1 Mon 24.09.12 5 d/s (laeuth)
+ 2.1.1.4.20 XSE2 Mon 20.08.12 95 d/s (laeuth)
+ 2.1.1.4.21 XSE3 Mon 30.07.12 70 d/s (laeuth)
+ 2.1.1.4.22 XSE4 Mon 03.09.12 115 d/s
+ 2.1.1.4.23 XSE5 Mon 10.09.12 130 d/s
+ 2.1.1.4.24 XSE6 Mon 22.10.12 5 d/s
+ 2.1.1.4.25 XSE7 Tue 14.08.12 80 d/s
+ 2.1.1.5 Vermessung Mon 30.07.12 10 d/s
+ 2.1.1.5.1 Initial Survey Mon 30.07.12 2 wks
+ 2.1.1.5.2 Dump einmessen Mon 30.07.12 1 wk
+ 2.1.1.6 Wasserkühlung und Druckluft Mon 30.07.12 154 d/s (laeuth)
+ 2.1.1.6.1 XTIN Media Shaft Mon 30.07.12 50 d/s (laeuth)
+ 2.1.1.6.2 XSIN Mon 10.09.12 105 d/s

-2.1.1.5	Heizung Lüftung Klima	Mon 01.10.12	152	days	+2.1.1.6.3	XTIN	Mon 01.10.12	105	days		
-2.1.1.6	Brandneide	Anlagen	Mon 29.10.12	121	days	+2.1.1.6.4	Restarbeit	Mon 04.02.13	19	days	
-2.1.1.6.1	XHEE	Brandmeldetechnik	Mon 29.10.12	31	days	+2.1.1.7	Heizung Lüftung Klima	Mon 01.10.12	152	days	
-2.1.1.6.2	XSE	Mon 29.10.12	50	days	+2.1.1.8	Brandneide	Anlagen	Mon 29.10.12	121	days	
-2.1.1.6.3	XTIN	Mon 04.02.13	51	days	+2.1.1.8.1	XHEE	Brandmeldetechnik	Mon 29.10.12	31	days	
-2.1.1.6.4	XHEIN	Mon 29.10.12	9	days	+2.1.1.8.2	XSE	Mon 29.10.12	50	days		
-2.1.1.6.5	XSIN	Mon 04.02.13	47	days	+2.1.1.8.3	XTIN	Mon 04.02.13	51	days		
-2.1.1.7	IT	Anlagen	Tue 01.01.13	40	days	+2.1.1.8.4	XHEIN	Mon 29.10.12	9	days	
-2.1.1.8	HF-Versorgung	Mon 01.04.13	40	days	+2.1.1.8.5	XSIN	Mon 04.02.13	47	days		
-2.1.1.8.1	Kystrons	Mon 01.04.13	4	weeks	+2.1.1.9	IT	Anlagen	Tue 01.01.13	40	days	
-2.1.1.8.2	Hohleiter	Mon 29.04.13	2	weeks	+2.1.1.10	HF-Versorgung	Mon 01.04.13	40	days		
-2.1.1.8.3	Hohleiter XSIN	Shaft	Mon 13.05.13	1	wk	+2.1.1.10.1	Kystrons	Mon 01.04.13	4	weeks	
-2.1.1.8.4	Hohleiter XTIN	Shaft	Mon 20.05.13	1	wk	+2.1.1.10.2	Hohleiter	Mon 29.04.13	2	weeks	
-2.2	Injector Linac	Installation	Mon 27.05.13	526	days?	+2.1.1.10.3	Hohleiter XSIN	Shaft	Mon 13.05.13	1	wk
-2.2.1	XTIN	Mon 27.05.13	526	days?	+2.1.1.10.4	Hohleiter XTIN	Shaft	Mon 20.05.13	1	wk	
-2.2.1.1	Install Warm RF	Tue 04.06.13	20	days	+2.1.2	XTIN UG7	Mon 30.07.12	5	days		
-2.2.1.1.1	Vacuum System	Tue 04.06.13	2	weeks	+2.1.2.1	Meterzahlen an Wänden anbringen	Mon 30.07.12	1	wk		
-2.2.1.1.2	LLRF Installation	Tue 18.06.13	2	weeks	+2.1.2.2	Vermessungsnester anbringen und einmessen	Mon 30.07.12	1	wk		
-2.2.1.1.3	RF Connection	Tue 18.06.13	1	wk	+2.1.2.3	Vermessung: Laserscan	Mon 30.07.12	1	wk		
-2.2.1.1.4	Install TDS	Tue 04.06.13	3	weeks	+2.2	Injector Linac	Installation	Mon 06.08.12	736	days?	
-2.2.1.2	Warm RF Commissioning	Mon 19.08.13	2	mons	+2.2.1	Timingssystem aufbauen und Inbetriebnehmen	Mon 06.01.14	10	weeks		
-2.2.1.3	Tunnel Closed	Mon 02.09.13	456	days?	+2.2.2	Technisches Interlock aufbauen und Testen	Mon 01.04.13	8	weeks		
-2.2.1.3.1	Access blocked XTIN7 and Media Shaft	Mon 02.09.13	40	days?	+2.2.3	Master Oszillator aufbauen und testen	Mon 01.04.13	8	weeks		
-2.2.1.3.2	Access blocked XSIN Media Shaft	Mon 02.09.13	40	days?	+2.2.4	Personen-Interlock aufbauen und testen	Mon 06.01.14	10	weeks		
-2.2.1.3.3	Access blocked XTIN7 and Media Shaft	Tue 01.07.14	12	mons	+2.2.5	XTIN	Mon 06.08.12	736	days?		
-2.2.1.3.4	Access blocked XSIN Media Shaft	Tue 01.07.14	12	mons	+2.2.5.1	RF Gun Systeme	Mon 03.06.13	40	days		
-2.2.1.4	Cold RF	Mon 16.12.13	99	days	+2.2.5.1.1	RF Gun Komponenten aufbauen	Mon 03.06.13	8	weeks		
-2.2.1.4.1	Install ACC1	Mon 16.12.13	4	weeks	+2.2.5.1.2	Vacuum System	Mon 03.06.13	2	weeks		
-2.2.1.4.2	Install ACC1	Fri 07.03.14	4	weeks	+2.2.5.1.3	LLRF Installation	Mon 17.06.13	2	weeks		
-2.2.1.4.3	LLRF Installation	Fri 04.04.14	4	weeks	+2.2.5.1.4	RF Connection	Mon 17.06.13	1	wk		
-2.2.1.5	Laser Transport Line	Mon 27.05.13	2	weeks	+2.2.5.1.5	Install TDS	Mon 03.06.13	3	weeks		
-2.2.1.6	Laser Heater	Mon 27.05.13	4	weeks	+2.2.5.2	Warm RF (TDS)	Commissioning	Mon 17.03.14	2	mons	
-2.2.1.7	Cryo System	Mon 18.11.13	50	days	+2.2.5.3	Tunnel Closed	Mon 02.09.13	456	days?		
-2.2.1.7.1	Cryo Feed Cap	Mon 18.11.13	2	weeks	+2.2.5.3.1	Access blocked XTIN7 and Media Shaft	Mon 02.09.13	40	days?		
-2.2.1.7.2	Cryo End Cap	Mon 02.12.13	2	weeks	+2.2.5.3.2	Access blocked XSIN Media Shaft	Mon 02.09.13	40	days?		
-2.2.1.7.3	Cryo Transfer Line	Mon 30.12.13	4	weeks	+2.2.5.3.3	Access blocked XSIN Media Shaft	Mon 02.09.13	40	days?		
-2.2.1.8	Beamline Supports	Mon 10.02.14	2	weeks	+2.2.5.3.4	Access blocked XTIN7 and Media Shaft	Tue 01.07.14	12	mons		
-2.2.1.9	Warm Beamline	Mon 24.02.14	1	mon	+2.2.5.4	Access blocked XSIN Media Shaft	Tue 01.07.14	12	mons		
-2.2.1.10	Install Personnel Interlock	Mon 27.05.13	3	mons	+2.2.5.4	Cold RF	Fri 13.12.13	100	days		
-2.2.1.11	Beam Dump	Mon 27.05.13	185	days	+2.2.5.4.1	Install ACC1	Fri 13.12.13	4	weeks		
-2.2.1.11.1	Dump Support	Mon 27.05.13	2	weeks	+2.2.5.4.2	Install ACC1	Fri 07.03.14	4	weeks		
-2.2.1.11.2	Dump Line	Mon 27.01.14	2	weeks	+2.2.5.4.3	LLRF Installation	Fri 04.04.14	4	weeks		
					+2.2.5.5	Laser Transport Line	Mon 06.08.12	2	weeks		

-2.3 Injector commissioning	Tue 02.07.13 2:58 dys
-2.3.1 RF Gun commissioning	Tue 02.07.13 1 wk
-2.3.2 AOC1 commissioning	Fri 02.05.14 2 wks
-2.3.3 ACC39 commissioning	Fri 16.05.14 2 wks
-2.3.4 Injector commissioning with beam to Inj Dump	Fri 02.05.14 8 wks
-3. Main Line Section	Mon 30.01.12 1082.67 dys? (laeutl)
-3.1. Infrastructure installation	Mon 30.01.12 570 dys? (laeutl)
-3.1.1. XTL	Mon 30.01.12 493.67 dys? (laeutl)
-3.1.1.1 (*) TGA Vorbereitung	Mon 30.01.12 99 dys (erledigt)

Line 258:

-3.1.1.2.6 (+)e Tests mit Bodenplattenunterlagen	Tue 27.03.12 3 wks (erledigt)
-3.1.1.2.7 (*)e Tests zum Bodenplattenfixieren	Wed 16.05.12 10 dys (erledigt)
-3.1.1.3. survey&alignmet	Thu 08.03.12 137 dys (laeutl)
-3.1.1.3.1 (*)e Install Vermessungsnester	Thu 08.03.12 5 dys (erledigt)
-3.1.1.3.2 (*)e Meterzahlen an Tübbingen anbringen	Mon 19.03.12 3 dys (erledigt)
-3.1.1.3.3 (*)e Bodenpunkte bohren+Einkleben	Mon 16.04.12 11 dys (erledigt)
-3.1.1.3.4. Vermessungsschiene	Wed 23.05.12 12 wks (laeutl)
-3.1.1.3.5 (*)e Vermessung Netz-Aufmass	Mon 12.03.12 40 dys (erledigt)
-3.1.1.3.6 (*)e Laser-Scan (MEA)	Mon 02.04.12 30 dys (erledigt)
-3.1.1.3.7 Vermessung 2. Durchlauf	Wed 15.08.12 23 dys
-3.1.1.4 Raumlufttechnik in Betrieb nehmen	Mon 03.09.12 180 dys
-3.1.1.5. Bodenplatten-Rangierungen	Mon 11.06.12 347.67 dys (laeutl)
-3.1.1.5.1 (!). Bodenplatten rechts von hinten oeffnen (MEA)	Mon 11.06.12 55 dys (laeutl)
-3.1.1.5.2 (*)e Mittendurchbrüche in Sohlgewölbe herstellen (BAU)	Mon 02.07.12 14 dys (erledigt)
-3.1.1.5.3 (!) Bodenplatten links nach rechts von hinten umrangeren	Fri 07.12.12 7 wks
-3.1.1.5.4 (!) Fussbodenplatten links von vorne wiedereinbringen	Fri 19.07.13 58 dys
-3.1.1.5.5 Fussbodenplatten rechts fixieren	Fri 25.01.13 3 wks
-3.1.1.5.6 (!) LWL-Kanal-Stieg aufmauern	Mon 20.08.12 1 wk
-3.1.1.5.7 (!) Abdeckstreife für LWL Kanal installieren	Mon 27.08.12 1 wk
-3.1.1.5.8 Durchgriffe durch Bodenplatten/Spezialplatten	Fri 19.07.13 50 dys
-3.1.1.6 Deckenrahmen + Konsolen	Mon 06.08.12 262.67 dys
-3.1.1.6.1 Deckenkonsolen L3 1000 bis 1700m installieren	Mon 06.08.12 35 dys
-3.1.1.6.2 Deckenkonsolen L3 1000 bis 1500m installieren	Mon 24.09.12 80 dys
-3.1.1.6.3 Deckenkonsolen L3 bis 1000m installieren	Tue 01.01.13 25 dys

+2.2.5.6 Laser Heater	Mon 06.08.12 4 wks
+2.2.5.7 Cryo System	Fri 15.11.13 50 dys
+2.2.5.7.1 Cryo Feed Cap	Fri 15.11.13 2 wks
+2.2.5.7.2 Cryo End Cap	Fri 29.11.13 2 wks
+2.2.5.7.3 Cryo Transfer Line	Fri 27.12.13 4 wks
+2.2.5.8 Beamline Supports	Fri 07.02.14 2 wks
+2.2.5.9 Warm Beamline	Fri 21.02.14 1 mon
+2.2.5.10 Beam Dump	Tue 31.12.13 28 dys
+2.2.5.10.1 Beam Support	Tue 31.12.13 2 wks
+2.2.5.10.2 Dump Line	Fri 24.01.14 2 wks
+2.3 Injector commissioning	Mon 17.03.14 74 dys
+2.3.1 RF Gun commissioning	Mon 17.03.14 1 wk
-2.3.2 AOC1 commissioning	Fri 02.05.14 2 wks
-2.3.3 ACC39 commissioning	Fri 16.05.14 2 wks
-2.3.4 Injector commissioning with beam to Inj Dump	Fri 02.05.14 8 wks
-3. Main Line Section	Mon 30.01.12 1095 dys? (laeutl)
-3.1. Infrastructure installation	Mon 30.01.12 510 dys? (laeutl)
-3.1.1. XTL	Mon 30.01.12 493.67 dys? (laeutl)
-3.1.1.1 (*)e TGA Vorbereitung	Mon 30.01.12 99 dys (erledigt)

Line 295:

-3.1.1.2.6 (+)e Tests mit Bodenplattenunterlagen	Tue 27.03.12 3 wks (erledigt)
-3.1.1.2.7 (*)e Tests zum Bodenplattenfixieren	Wed 16.05.12 10 dys (erledigt)
-3.1.1.3. survey&alignmet	Thu 08.03.12 144 dys (laeutl)
-3.1.1.3.1 (*)e Install Vermessungsnester	Thu 08.03.12 5 dys (erledigt)
-3.1.1.3.2 (*)e Meterzahlen an Tübbingen anbringen	Mon 19.03.12 3 dys (erledigt)
-3.1.1.3.3 (*)e Bodenpunkte bohren+Einkleben	Mon 16.04.12 11 dys (erledigt)
+3.1.1.3.4 (+). Vermessungsschiene	Wed 23.05.12 14 wks (laeutl)
-3.1.1.3.5 (*)e Vermessung Netz-Aufmass	Mon 12.03.12 40 dys (erledigt)
-3.1.1.3.6 (*)e Laser-Scan (MEA)	Mon 02.04.12 30 dys (erledigt)
+3.1.1.3.7 Vermessung 2. Durchlauf	Wed 29.08.12 4 wks
+3.1.1.4. Bodenplatten-Rangierungen	Mon 11.06.12 347.67 dys (laeutl)
+3.1.1.4.1 (!). Bodenplatten rechts von hinten oeffnen (MEA)	Mon 11.06.12 55 dys (laeutl)
+3.1.1.4.2 (*)e Mittendurchbrüche in Sohlgewölbe herstellen (BAU)	Mon 02.07.12 14 dys (erledigt)
+3.1.1.4.3 (!) Bodenplatten links nach rechts von hinten umrangeren	Fri 07.12.12 7 wks
+3.1.1.4.4 (!) Fussbodenplatten links von vorne wiedereinbringen	Fri 19.07.13 58 dys
+3.1.1.4.5 Fussbodenplatten rechts fixieren	Fri 25.01.13 3 wks
+3.1.1.4.6 (!) LWL-Kanal-Stieg aufmauern	Mon 20.08.12 1 wk
+3.1.1.4.7 (!) Abdeckstreife/bleche für LWL Kanal installieren	Mon 20.08.12 1 wk
+3.1.1.4.8 Durchgriffe durch Bodenplatten/Spezialplatten	Fri 19.07.13 50 dys
+3.1.1.5 Deckenrahmen + Konsolen	Fri 05.10.12 220.67 dys
+3.1.1.5.1 Deckenkonsolen L3 1000 bis 1700m von vorne beginnend installieren	Fri 05.10.12 48 dys
+3.1.1.5.2 Deckenrahmen L3 1000m bis 1700m installieren	Fri 12.10.12 20 wks
+3.1.1.5.3 Deckenkonsolen L3 bis 1000m installieren	Tue 01.01.13 20 wks
+3.1.1.5.4 Deckenrahmen L3 bis 1000m installieren	Tue 07.05.13 25 dys

-3.1.1.6.4 Deckenrahmen L3 bis 1000m installieren Tue 05.02.13 25 dys	+3.1.1.5.5 Deckenkonsolen L2 installieren Tue 21.05.13 3 dys
-3.1.1.6.5 Deckenkonsolen L2 installieren Tue 01.01.13 3 dys	+3.1.1.5.6 Deckenrahmen L2 installieren Fri 07.06.13 3 dys
-3.1.1.6.6 Deckenrahmen L2 installieren Fri 18.01.13 3 dys	+3.1.1.5.7 Deckenkonsolen L1 installieren Fri 19.07.13 1 wk
-3.1.1.6.7 Deckenkonsolen L1 installieren Fri 19.07.13 5 dys	+3.1.1.5.8 Deckenrahmen L1 installieren Fri 26.07.13 2 wks
-3.1.1.6.8 Deckenrahmen L1 installieren Fri 26.07.13 8 dys	+3.1.1.6. Rauchmelde- und Sicherheitsanlagen Tue 29.05.12 308.67 dys? (laeuth)
-3.1.1.7. Rauchmelde- und Sicherheitsanlagen Tue 29.05.12 308.67 dys? (laeuth)	+3.1.1.6.1 Rauchmeldung installieren Mon 13.08.12 10 dys
-3.1.1.7.1 Rauchmeldung installieren Mon 23.07.12 10 dys	+3.1.1.6.2 Kabelverlegung Funktionserhalt Mon 10.09.12 5 dys
-3.1.1.7.2 Kabelverlegung Funktionserhalt Mon 10.09.12 5 dys	+3.1.1.6.3 Kabelverlegung Funktionserhalt, Interlock Fri 19.07.13 2 wks
-3.1.1.7.3 Kabelverlegung Funktionserhalt, Interlock Fri 19.07.13 2 wks	+3.1.1.6.4 Lautsprecheranlagen et al installieren (MPS) Fri 01.03.13 3 wks
-3.1.1.7.4 Lautsprecheranlagen et al installieren (MPS) Fri 01.03.13 3 wks	+3.1.1.6.5 (*)e Rauchansaug-Verrohrung montieren Tue 29.05.12 30 dys (erledigt)
-3.1.1.7.5 (*)e Rauchansaug-Verrohrung montieren Tue 29.05.12 30 dys (erledigt)	+3.1.1.6. Montage+Verkabelung Streifen Mon 17.09.12 21 dys
-3.1.1.7.6 Montage+Verkabelung Streifen Mon 17.09.12 21 dys	+3.1.1.6.7 Test der Rauchmeldeanlage Tue 16.10.12 20 dys
-3.1.1.7.7 Test der Rauchmeldeanlage Tue 16.10.12 20 dys	+3.1.1.6.8 Löschanlagen installieren Mon 06.08.12 10 dys?
-3.1.1.7.8 Löschanlagen installieren Mon 06.08.12 10 dys?	+3.1.1.6.9 Rettungssleitsystem 90-1000m Mon 15.10.12 10 dys
-3.1.1.7.9 Rettungssleitsystem 90-1000m Mon 15.10.12 10 dys	+3.1.1.6.10 Rettungssleitsystem 1000-2100m Wed 26.09.12 10 dys
-3.1.1.7.10 Rettungssleitsystem 1000-2100m Wed 26.09.12 10 dys	+3.1.1.7. Rohrleitungen fuer Kuehlwasser+Druckluft Mon 02.07.12 270.67 dys? (laeuth)
-3.1.1.8. Rohrleitungen fuer Kuehlwasser+Druckluft Mon 02.07.12 270.67 dys? (laeuth)	+3.1.1.7.1 Wasserrohrhaelungen (rechts,wand) installieren Mon 06.08.12 8 wks
-3.1.1.8.1 Wasserrohrhaelungen (rechts,wand) installieren Tue 20.11.12 8 wks	+3.1.1.7.2 (i). Installation DN300 Wasserrohr 30° Vorlauf von hinten Mon 02.07.12 12 wks (laeuth)
-3.1.1.8.2 (i). Installation DN300 Wasserrohr 30° Vorlauf von hinten Mon 02.07.12 12 wks (laeuth)	+3.1.1.7.3 Installation grosses DN300 Wasserrohr rechts an Wand Tue 20.11.12 10 wks
-3.1.1.8.3 Installation grosses DN300 Wasserrohr rechts an Wand Tue 20.11.12 10 wks	+3.1.1.7.4 Kaltwasserleitung Unterverteiler 20 Grad von hinten Tue 20.11.12 90 dys
-3.1.1.8.4 Kaltwasserleitung Unterverteiler 20 Grad von hinten Tue 20.11.12 90 dys	+3.1.1.7.5 rohrleitung links unten (Pulsakabelkuehlung) 1700m - 0m Mon 15.04.13 60 dys
-3.1.1.8.5 rohrleitung links unten (Pulsakabelkuehlung) 1700m - 0m Mon 15.04.13 60 dys	+3.1.1.7.6 Druckluftleitung DN50 von hinten Tue 20.11.12 30 dys
-3.1.1.8.6 Druckluftleitung DN50 von hinten Tue 20.11.12 30 dys	+3.1.1.7.7 Lenzleitung DN50 von hinten Tue 20.11.12 30 dys
-3.1.1.8.7 Lenzleitung DN50 von hinten Tue 20.11.12 30 dys	+3.1.1.7.8 Verrieselungsleitung DN125 von hinten Tue 20.11.12 49 dys
-3.1.1.8.8 Verrieselungsleitung DN125 von hinten Tue 20.11.12 49 dys	+3.1.1.7.9 Kuehlwasserverteilung+Anschlusse Tue 26.03.13 30 dys?
-3.1.1.8.9 Kuehlwasserverteilung+Anschlusse Tue 26.03.13 30 dys?	+3.1.1.7.10 Kuehlwasserkreise inbetriebnehmen Mon 08.07.13 5 dys
-3.1.1.8.10 Kuehlwasserkreise inbetriebnehmen Mon 08.07.13 5 dys	+3.1.1.8 Cryo Thu 01.08.13 100 dys
-3.1.1.9 Cryo Thu 01.08.13 100 dys	+3.1.1.8.1 Cryo-Abgasleitung DN200 500-200m Fri 02.08.13 10 dys
-3.1.1.9.1 Cryo-Abgasleitung DN200 500-200m Fri 02.08.13 10 dys	+3.1.1.8.2 Cryo DN200 (Abgasleitung) 500m - 1500m Thu 01.08.13 20 wks
-3.1.1.9.2 Cryo DN200 (Abgasleitung) 500m - 1500m Thu 01.08.13 20 wks	+3.1.1.9 (i) Kabel Pritschen Mon 13.08.12 214.67 dys?
-3.1.1.10 (i) Kabel Pritschen Mon 13.08.12 214.67 dys?	+3.1.1.9.1 Kabelpritschen links oben (2, Funktionserhalt) Mon 13.08.12 20 dys
-3.1.1.10.1 Kabelpritschen links oben (2, Funktionserhalt) Mon 13.08.12 20 dys	+3.1.1.9.2 Obere Kabelpritschen (#12-17) installieren Fri 07.12.12 60 dys
-3.1.1.10.2 Obere Kabelpritschen (#12-17) installieren Fri 07.12.12 60 dys	+3.1.1.9.3 cable trays XSE shaft Fri 07.12.12 40 dys?
-3.1.1.10.3 cable trays XSE shaft Fri 07.12.12 40 dys?	+3.1.1.9.4 (i) Pritschen rechts unten Fri 05.10.12 65.67 dys
-3.1.1.10.4 (i) Pritschen rechts unten Fri 05.10.12 65.67 dys	+3.1.1.9.4.1 (i) cable tray #1 90m-1000m Fri 05.10.12 6 dys
-3.1.1.10.4.1 (i) cable tray #1 90m-1000m Fri 05.10.12 6 dys	+3.1.1.9.4.2 (i) cable tray #2 Tue 06.11.12 5 dys
-3.1.1.10.4.2 (i) cable tray #2 Tue 06.11.12 5 dys	+3.1.1.9.4.3 (i) cable tray #3 Wed 05.12.12 6.67 dys
-3.1.1.10.4.3 (i) cable tray #3 Wed 05.12.12 6.67 dys	+3.1.1.9.4.4 (i) cable tray #4 Tue 01.01.13 3 dys
-3.1.1.10.4.4 (i) cable tray #4 Tue 01.01.13 3 dys	+3.1.1.9.5 (i) Pritschen links unten Thu 17.01.13 101 dys
-3.1.1.10.5 (i) Pritschen links unten Thu 17.01.13 101 dys	+3.1.1.9.5.1 (i) cable tray #5 90m-1600m Mon 15.04.13 6 dys
-3.1.1.10.5.1 (i) cable tray #5 90m-1600m Mon 15.04.13 6 dys	+3.1.1.9.5.2 (i) cable tray #6 Thu 14.03.13 6 dys
-3.1.1.10.5.2 (i) cable tray #6 Thu 14.03.13 6 dys	+3.1.1.9.5.3 (i) cable tray #7 Mon 18.02.13 6 dys

-3.1.1.10.5.3 (i) cable tray #7 Mon 18.02.13 6 dys
-3.1.1.10.5.4 (i) cable tray #8 Thu 17.01.13 6 dys
-3.1.1.10.5.5 cable tray #9 Mon 18.02.13 10 dys
-3.1.1.10.5.6 cable tray #10 1000m-2100m Tue 26.02.13 5 dys
-3.1.1.10.5.7 (i) cable tray #10 90m-1000m Mon 15.04.13 5 dys
-3.1.1.10.5.8 (i) cable tray #11 1000m-2100m Tue 07.05.13 5 dys
-3.1.1.10.5.9 (i) cable tray #11 90m-1000m Fri 31.05.13 5 dys
-3.1.1.11. Telekommunikation, Funk, IT-Netzwerk, WLAN Thu 08.03.12 117 dys (laeutf)
-3.1.1.11.1 (*)e Provisorische Erstausrüstung Feuerwehrrunk/Sicherheit Thu 08.03.12 2 dys (erledigt)
-3.1.1.11.2 (*)e Telefone installieren Thu 08.03.12 5 dys (erledigt)
-3.1.1.11.3 (*)e Schlitzantenne installieren (Moe) Mon 25.06.12 8 dys (erledigt)
-3.1.1.11.4 Tunnelfunk in Betrieben Mon 30.07.12 1 wk
-3.1.1.11.5 GSM + UMTS Inbetriebnehmen Mon 06.08.12 1 wk
-3.1.1.11.6 WLAN Netzwerk Inbetriebnahme Mon 13.08.12 5 dys
-3.1.1.12 (i) Kabel Mon 15.10.12 199,67 dys
-3.1.1.12.1 Starkstromkabel (400V) ziehen 1500-2100m Mon 04.03.13 7 dys
-3.1.1.12.2 Starkstromkabel (400V) ziehen 0-400m Mon 04.03.13 7 dys
-3.1.1.12.3 Starkstromkabel (400V) ziehen 1000m-2100m Tue 05.03.13 29 dys
-3.1.1.12.4 (i) Starkstromkabel (400V) ziehen 0-1000m Mon 22.04.13 29 dys
-3.1.1.12.5 (i) pulse cable installation right Mon 15.10.12 69,67 dys
-3.1.1.12.5.1 (i) 16 Puls Kabel + 4 LWL #1 Mon 15.10.12 16 dys
-3.1.1.12.5.2 (i) 16 Puls Kabel + 4 LWL #2 Tue 13.11.12 16 dys
-3.1.1.12.5.3 (i) 16 Puls Kabel + 4 LWL #3 Thu 13.12.12 13 dys
-3.1.1.12.5.4 (i) 16 Puls Kabel + 4 LWL #4 Fri 04.01.13 10 dys
-3.1.1.12.6 (i) pulse cable installation left Fri 25.01.13 72 dys
-3.1.1.12.6.1 (i) 8 Puls Kabel + 2 LWL #8 + 2xbig LWL Fri 25.01.13 16 dys
-3.1.1.12.6.2 (i) 12 Puls Kabel + 4 LWL #7 Tue 26.02.13 12 dys
-3.1.1.12.6.3 (i) 16 Puls Kabel + 4 LWL #6 Fri 22.03.13 16 dys
-3.1.1.12.6.4 (i) 16 Puls Kabel + 4 LWL #5 Tue 23.04.13 10 dys
-3.1.1.12.7 (i) 10kV Cable installation (links unten) 0-1000m Fri 07.06.13 30 dys
-3.1.1.12.8 (i) 10kV Cable installation (links unten) 1000-2100m Fri 07.06.13 30 dys
-3.1.1.13 (i) LWL Leerrohre Mon 10.09.12 130,67 dys
-3.1.1.13.1 (i) Glasphasierleerrohre verlegen (rechts) Mon 10.09.12 25 dys
-3.1.1.13.2 Glasphasierleerrohre unter Bodenplatten vorbereiten Fri 23.11.12 9 wks
-3.1.1.13.3 Glasphasierleerrohre verlegen (links) Mon 04.03.13 5 dys
-3.1.2.XS1 Fri 30.11.12 351 dys?
-3.1.2.1 Survey (WP32) Vermessungsnester + Netzaufmass Fri 30.11.12 20 dys
-3.1.2.2 Infrastructure Installation (WP34) Mon 01.07.13 200 dys?
-3.1.2.2.1 (duration as in "excel-list") Mon 01.07.13 10 moons
-3.1.2.2.2 (start-end duration derived from WP-34-plan) Mon 01.07.13 132 dys
-3.1.2.2.3 High Power Supplies Mon 01.07.13 1 dys?
-3.1.2.2.4 Water Cooling and Compressed Air Mon 01.07.13 140 dys

+3.1.1.9.5.4 (i) cable tray #8 Thu 17.01.13 6 dys
+3.1.1.9.5.5 cable tray #9 Mon 18.02.13 10 dys
+3.1.1.9.5.6 cable tray #10 1000m-2100m Tue 26.02.13 5 dys
+3.1.1.9.5.7 (i) cable tray #10 90m-1000m Mon 15.04.13 5 dys
+3.1.1.9.5.8 (i) cable tray #11 1000m-2100m Tue 07.05.13 5 dys
+3.1.1.9.5.9 (i) cable tray #11 90m-1000m Fri 31.05.13 5 dys
+3.1.1.10. Telekommunikation, Funk, IT-Netzwerk, WLAN Thu 08.03.12 197 dys (laeutf)
+3.1.1.10.1 (*)e Provisorische Erstausrüstung Feuerwehrrunk/Sicherheit Thu 08.03.12 2 dys (erledigt)
+3.1.1.10.2 (*)e Telefone installieren Thu 08.03.12 5 dys (erledigt)
+3.1.1.10.3 (*)e Schlitzantenne installieren (Moe) Mon 25.06.12 8 dys (erledigt)
+3.1.1.10.4 Tunnelfunk in Betrieben Mon 06.08.12 3 wks (laeutf)
+3.1.1.10.5 GSM + UMTS Inbetriebnehmen Mon 27.08.12 1 wk
+3.1.1.10.6 WLAN Netzwerk Inbetriebnahme Mon 03.12.12 1 wk
+3.1.1.11 (i) Kabel Mon 15.10.12 199,67 dys
+3.1.1.11.1 Starkstromkabel (400V) ziehen 1500-2100m Mon 04.03.13 7 dys
+3.1.1.11.2 Starkstromkabel (400V) ziehen 0-400m Mon 04.03.13 7 dys
+3.1.1.11.3 Starkstromkabel (400V) ziehen 1000m-2100m Tue 05.03.13 29 dys
+3.1.1.11.4 (i) Starkstromkabel (400V) ziehen 0-1000m Mon 22.04.13 29 dys
+3.1.1.11.5 (i) pulse cable installation right Mon 15.10.12 69,67 dys
+3.1.1.11.5.1 (i) 16 Puls Kabel + 4 LWL #1 Mon 15.10.12 16 dys
+3.1.1.11.5.2 (i) 16 Puls Kabel + 4 LWL #2 Tue 13.11.12 16 dys
+3.1.1.11.5.3 (i) 16 Puls Kabel + 4 LWL #3 Thu 13.12.12 13 dys
+3.1.1.11.5.4 (i) 16 Puls Kabel + 4 LWL #4 Fri 04.01.13 10 dys
+3.1.1.11.6 (i) pulse cable installation left Fri 25.01.13 72 dys
+3.1.1.11.6.1 (i) 8 Puls Kabel + 2 LWL #8 + 2xbig LWL Fri 25.01.13 16 dys
+3.1.1.11.6.2 (i) 12 Puls Kabel + 4 LWL #7 Tue 26.02.13 12 dys
+3.1.1.11.6.3 (i) 16 Puls Kabel + 4 LWL #6 Fri 22.03.13 16 dys
+3.1.1.11.6.4 (i) 16 Puls Kabel + 4 LWL #5 Tue 23.04.13 10 dys
+3.1.1.11.7 (i) 10kV Cable installation (links unten) 0-1000m Fri 07.06.13 30 dys
+3.1.1.11.8 (i) 10kV Cable installation (links unten) 1000-2100m Fri 07.06.13 30 dys
+3.1.1.12 (i) LWL Leerrohre Mon 10.09.12 130,67 dys
+3.1.1.12.1 (i) Glasphasierleerrohre verlegen (rechts) Mon 10.09.12 25 dys
+3.1.1.12.2 Glasphasierleerrohre unter Bodenplatten vorbereiten Fri 23.11.12 9 wks
+3.1.1.12.3 Glasphasierleerrohre verlegen (links) Mon 04.03.13 5 dys
+3.1.2.XS1 Fri 30.11.12 291 dys?
+3.1.2.1 Survey (WP32) Vermessungsnester + Netzaufmass Fri 30.11.12 4 wks
+3.1.2.2 XS1 Infrastructure Installation (WP34) Mon 01.07.13 140 dys?
+3.1.2.2.1 (start-end duration derived from WP-34-plan) Mon 01.07.13 132 dys
+3.1.2.2.2 High Power Supplies Mon 01.07.13 1 dys?
+3.1.2.2.3 Water Cooling and Compressed Air Mon 01.07.13 140 dys
+3.1.2.2.4 Process Control and Instrumentation Mon 01.07.13 100 dys
+3.1.2.2.5 Protections and Safety Systems Mon 01.07.13 50 dys

-3.1.2.2.5 Heating, Ventilation and Air Conditioning Mon 01.07.13 70 dys
-3.1.2.2.6 Process Control and Instrumentation Mon 01.07.13 100 dys
-3.1.2.2.7 Protections and Safety Systems Mon 01.07.13 50 dys
-3.1.2.2.8 IT Systems Mon 01.07.13 30 dys
-3.1.2.3 Heating and Ventilation Fri 30.11.12 5 mons
-3.1.2.4 Water installation Fri 30.11.12 5 mons
-3.1.2.5 Electricity Fri 30.11.12 5 mons
-3.1.2.6 Installation analog-T-efone Fri 28.12.12 1 wk
-3.1.2.7 IT Infrastructure Fri 19.04.13 2 mons
-3.2 (I) Main Linac installation Fri 28.12.12 758,67 dys?
-3.2.1 (I) Dogleg Mon 30.12.13 395 dys
-3.2.1.1 (I) Cryo Transferline installation and tests Mon 30.12.13 4 wks
-3.2.1.2 Durchgang der Vermessung Mon 27.01.14 1 wk
-3.2.1.3 Supports for Girders and Magnets Mon 03.02.14 4 wks
-3.2.1.4 Dogleg Girder installieren Mon 03.02.14 6 wks
-3.2.1.5 Magnet installation Mon 03.03.14 2 wks
-3.2.1.6 Chicane (B0) installation Mon 03.03.14 4 wks
-3.2.1.7 Vacuum system installation Mon 03.03.14 3 wks
-3.2.1.8 Installation of electronic racks Mon 17.03.14 4 wks
-3.2.1.9 Rack Shielding Mon 14.04.14 1 wk
-3.2.1.10 (I) Commissioning of Std. Diagnostics and Sp. Diagnostics Mon 25.05.15 6 wks
-3.2.1.11 DUMP installation Mon 27.01.14 6 wks
-3.2.2.1.1 Wed 09.10.13 215 dys
-3.2.2.1 (I) Cryomodules installation Mon 23.12.13 4 dys
-3.2.2.2 cryo system installatio (feed+endcaps) Wed 09.10.13 4 wks
-3.2.2.3 (I) Cryo String Assembly Wed 21.05.14 5 wks
-3.2.2.4 (I) RF System installation (WP01) 1x Wed 18.06.14 4 wks
-3.2.2.5 RF System commissioning Wed 16.07.14 1 wk
-3.2.2.6 Rack Shielding Wed 16.07.14 1 wk
-3.2.2.7 Electronics Installation and Integration Wed 25.06.14 6 wks
-3.2.3 (I) B1 Wed 06.11.13 110 dys
-3.2.3.1 (I) Cryo-Bypass Wed 06.11.13 4 wks
-3.2.3.2 Supports + Girder + Magnets Wed 04.12.13 20 dys
-3.2.3.2.1 Supports und Rackabschirmung BCl aufstellen Wed 04.12.13 4 wks
-3.2.3.2.2 BCl Girder aufstellen undjustieren Wed 04.12.13 4 wks
-3.2.3.2.3 Magnets Wed 04.12.13 2 wks
-3.2.3.3 Vacuum String Assembly + Chikanes Wed 01.01.14 5 wks
-3.2.3.4 BCl DUMP installieren Wed 04.12.13 6 wks
-3.2.3.5 Rack controller aufstellen und Anschliessen Wed 15.01.14 6 wks
-3.2.3.6 Systems/Electronics integration Wed 26.02.14 6 wks
-3.2.4 (I) L2 Wed 09.10.13 190 dys
-3.2.4.1 (I) Cryomodules Installation Tue 29.10.13 12 dys
-3.2.4.2 (I) cryo system installation (feed+Endcaps) Wed 09.10.13 4 wks

+3.1.2.2.6 IT Systems Mon 01.07.13 30 dys
+3.1.2.3 Heating and Ventilation Mon 01.07.13 5 mons
+
+
+
3.1.2.4 Water installation Fri 30.11.12 5 mons
3.1.2.5 Electricity Fri 30.11.12 5 mons
3.1.2.6 Installation analog-T-efone Fri 28.12.12 1 wk
3.1.2.7 IT Infrastructure Fri 19.04.13 2 mons
+3.2 (I) Main Linac installation Fri 28.12.12 771 dys?
+3.2.1 (I) Dogleg Mon 04.11.13 435 dys
+3.2.1.1 Cryo Transferline installation and tests Mon 04.11.13 4 wks
+3.2.1.2 Durchgang der Vermessung Mon 02.12.13 1 wk
+3.2.1.3 Supports for Girders and Magnets Mon 09.12.13 4 wks
+3.2.1.4 Dogleg Girder installieren Mon 27.01.14 6 wks
+3.2.1.5 Magnet installation Mon 06.01.14 2 wks
+3.2.1.6 Chicane (B0) installation Mon 06.01.14 4 wks
+3.2.1.7 Vacuum system installation Mon 17.02.14 3 wks
+3.2.1.8 Installation of electronic racks Mon 20.01.14 4 wks
+3.2.1.9 Rack Shielding Mon 17.02.14 1 wk
-3.2.1.10 (I) Commissioning of Std. Diagnostics and Sp. Diagnostics Mon 25.05.15 6 wks
+3.2.1.11 DUMP installation Tue 31.12.13 6 wks
+3.2.2.1.1 Wed 09.10.13 252,33 dys
+3.2.2.1 (+) Cryomodules installation Mon 23.12.13 4 dys
-3.2.2.2 cryo system installatio (feed+endcaps) Wed 09.10.13 4 wks
+3.2.2.3 (I) Cryo String Assembly Mon 14.07.14 5 wks
+3.2.2.4 (I) RF System installation (WP01) 1x Mon 11.08.14 4 wks
+3.2.2.5 RF System commissioning Mon 08.09.14 1 wk
+3.2.2.6 Rack Shielding Mon 08.09.14 1 wk
+3.2.2.7 Electronics Installation and Integration Mon 18.08.14 6 wks
+3.2.3 (I) B1 Mon 03.02.14 110 dys
+3.2.3.1 (I) Cryo-Bypass Mon 03.02.14 4 wks
+3.2.3.2 Supports + Girder + Magnets Mon 03.03.14 20 dys
+3.2.3.2.1 Supports und Rackabschirmung BCl aufstellen Mon 03.03.14 4 wks
+3.2.3.2.2 BCl Girder aufstellen undjustieren Mon 03.03.14 4 wks
+3.2.3.2.3 Magnets Mon 03.03.14 2 wks
+3.2.3.3 Vacuum String Assembly + Chikanes Mon 31.03.14 5 wks
+3.2.3.4 BCl DUMP installieren Mon 03.03.14 6 wks
+3.2.3.5 Rack controller aufstellen und Anschliessen Mon 14.04.14 6 wks
+3.2.3.6 Systems/Electronics integration Mon 26.05.14 6 wks
+3.2.4 (I) L2 Wed 09.10.13 227,33 dys
-3.2.4.1 (I) Cryomodules Installation Tue 29.10.13 12 dys
-3.2.4.2 (I) cryo system installation (feed+Endcaps) Wed 09.10.13 4 wks

-3.2.4.3 (i) Cryo String Assembly Wed 26.02.14 12 wks	+3.2.4.3 (i) Cryo String Assembly Mon 21.04.14 12 wks
-3.2.4.4 (i) RF System installation (WP01) 3x Wed 26.03.14 12 wks	+3.2.4.4 (i) RF System installation (WP01) 3x Mon 19.05.14 12 wks
-3.2.4.5 RF System commissioning Wed 18.06.14 1 wk	+3.2.4.5 RF System commissioning Mon 11.08.14 1 wk
-3.2.4.6 Rack Shielding Wed 18.06.14 1 wk	+3.2.4.6 Rack Shielding Mon 11.08.14 1 wk
-3.2.4.7 Electronics Installation and Integration Wed 21.05.14 6 wks	+3.2.4.7 Electronics Installation and Integration Mon 14.07.14 6 wks
-3.2.5 (i) B2 Wed 09.10.13 107.33 dys	+3.2.5 (i) B2 Mon 02.12.13 81 dys
-3.2.5.1 (i) Cryo-Bypass Wed 09.10.13 4 wks	+3.2.5.1 (i) Cryo-Bypass Mon 02.12.13 4 wks
-3.2.5.2 Supports + Girder + Magnets Wed 06.11.13 62.33 dys	+3.2.5.2 Supports + Girder + Magnets Mon 30.12.13 30 dys
-3.2.5.2.1 supports and rack shielding foer BC2 aufstellen Wed 06.11.13 4 wks	+3.2.5.2.1 supports and rack shielding foer BC2 aufstellen Mon 30.12.13 4 wks
-3.2.5.2.2 BC2 Girder aufstellen und justieren Mon 23.12.13 6 wks	+3.2.5.2.2 BC2 Girder aufstellen und justieren Mon 30.12.13 6 wks
-3.2.5.2.3 Magnets Wed 04.12.13 2 wks	+3.2.5.2.3 Magnets Mon 27.01.14 2 wks
-3.2.5.3 Vacuum String Assembly + Chicane Mon 03.02.14 5 wks	+3.2.5.3 Vacuum String Assembly + Chicane Mon 10.02.14 5 wks
-3.2.5.4 BC2 Dump installieren Wed 06.11.13 6 wks	+3.2.5.4 BC2 Dump installieren Tue 3.1.12.13 6 wks
-3.2.5.5 Systems/Electronics integration Wed 18.12.13 6 wks	+3.2.5.5 Systems/Electronics integration Tue 11.02.14 6 wks
-3.2.6 (i) L3 Wed 09.10.13 555 dys	+3.2.6 (i) L3 Wed 09.10.13 567.33 dys
-3.2.6.1 (i) CS3 Wed 09.10.13 130 dys	+3.2.6.1 (i) CS3 Wed 09.10.13 167.33 dys
-3.2.6.1.1 (i) Cryomodules installation Wed 09.10.13 12 dys	+3.2.6.1.1 (i) Cryomodules installation Wed 09.10.13 12 dys
-3.2.6.1.2 (i) Cryo System installation (feedback+SCB) Wed 06.11.13 4 wks	+3.2.6.1.2 (i) Cryo System installation (feedback+SCB) Mon 30.12.13 4 wks
-3.2.6.1.3 (i) Cryo String Assembly Wed 04.12.13 12 wks	+3.2.6.1.3 (i) Cryo String Assembly Mon 27.01.14 12 wks
-3.2.6.1.4 (i) RF System installation (WP01) 3x Wed 01.01.14 12 wks	+3.2.6.1.4 (i) RF System installation (WP01) 3x Mon 24.02.14 12 wks
-3.2.6.1.5 RF System commissioning Wed 26.03.14 1 wk	+3.2.6.1.5 RF System commissioning Mon 19.05.14 1 wk
-3.2.6.1.6 Rack Shielding Wed 26.03.14 1 wk	+3.2.6.1.6 Rack Shielding Mon 19.05.14 1 wk
-3.2.6.1.7 Electronics installation and integration Wed 26.02.14 6 wks	+3.2.6.1.7 Electronics installation and integration Mon 21.04.14 6 wks
-3.2.6.2 CS4 Fri 25.10.13 263 dys	+3.2.6.2 CS4 Mon 02.12.13 275 dys
-3.2.6.2.1 (+) Cryomodules installation 12x Mon 30.12.13 12 dys	+3.2.6.2.1 Cryomodules installation 12x Mon 30.12.13 12 dys
-3.2.6.2.2 Cryo System installation (SCB) Fri 25.10.13 4 wks	+3.2.6.2.2 Cryo System installation (SCB) Mon 02.12.13 4 wks
-3.2.6.2.3 (i) Cryo String Assembly Wed 25.06.14 12 wks	+3.2.6.2.3 (i) Cryo String Assembly Mon 18.08.14 12 wks
-3.2.6.2.4 (i) RF System installation (WP01) 3x Wed 23.07.14 12 wks	+3.2.6.2.4 (i) RF System installation (WP01) 3x Mon 15.09.14 12 wks
-3.2.6.2.5 RF System commissioning Wed 15.10.14 1 wk	+3.2.6.2.5 RF System commissioning Mon 08.12.14 1 wk
-3.2.6.2.6 Rack Shielding Wed 22.10.14 1 wk	+3.2.6.2.6 Rack Shielding Mon 15.12.14 1 wk
-3.2.6.2.7 Systems/Electronics Integration Wed 17.09.14 6 wks	+3.2.6.2.7 Systems/Electronics Integration Mon 10.11.14 6 wks
-3.2.6.3 CS5 Wed 15.01.14 265.67 dys	+3.2.6.3 CS5 Wed 15.01.14 303 dys
-3.2.6.3.1 (+) Cryomodules installation 12x Mon 24.03.14 12 dys	+3.2.6.3.1 Cryomodules installation 12x Mon 24.03.14 12 dys
-3.2.6.3.2 Cryo System installation (SCB) Wed 15.01.14 4 wks	+3.2.6.3.2 Cryo System installation (SCB) Wed 15.01.14 4 wks
-3.2.6.3.3 (i) Cryo String Assembly Wed 17.09.14 12 wks	+3.2.6.3.3 (i) Cryo String Assembly Mon 10.11.14 12 wks
-3.2.6.3.4 (i) RF System installation (WP01) 3x Wed 15.10.14 12 wks	+3.2.6.3.4 (i) RF System installation (WP01) 3x Mon 08.12.14 12 wks
-3.2.6.3.5 RF System commissioning Wed 07.01.15 1 wk	+3.2.6.3.5 RF System commissioning Mon 02.03.15 1 wk
-3.2.6.3.6 Rack Shielding Wed 07.01.15 1 wk	+3.2.6.3.6 Rack Shielding Mon 02.03.15 1 wk
-3.2.6.3.7 Systems/Electronics Integration Wed 10.12.14 6 wks	+3.2.6.3.7 Systems/Electronics Integration Mon 02.02.15 6 wks
-3.2.6.4 CS6 Wed 09.04.14 265.67 dys	+3.2.6.4 (+) CS6 Wed 09.04.14 298 dys
-3.2.6.4.1 (+) Cryomodules installation 12x Mon 16.06.14 12 dys	+3.2.6.4.1 Cryomodules installation 12x Mon 16.06.14 12 dys
-3.2.6.4.2 Cryo System installation (SCB) Wed 09.04.14 4 wks	+3.2.6.4.2 Cryo System installation (SCB) Wed 09.04.14 4 wks
-3.2.6.4.3 (i) Cryo String Assembly Wed 10.12.14 12 wks	+3.2.6.4.3 (i) Cryo String Assembly Mon 02.02.15 11 wks

-3.2.6.4.4 (i) RF System installation (WP01) 3x Wed 07.01.15 12 wks
-3.2.6.4.5 RF System commissioning Wed 01.04.15 1 wk
-3.2.6.4.6 Rack Shielding Wed 01.04.15 1 wk
-3.2.6.4.7 Systems/Electronics Integration Wed 04.03.15 6 wks
-3.2.6.5 (i) CS7 Wed 02.07.14 2.55,67 d _{ys}
3.2.6.5.1 (+) Cryomodules installation 12x Mon 08.09.14 12 d _{ys}
3.2.6.5.2 Cryo System installation (SCB) Wed 02.07.14 4 wks
-3.2.6.5.3 (i) Cryo String Assembly Wed 04.03.15 10 wks
-3.2.6.5.4 (i) RF System installation (WP01) 3x Wed 01.04.15 8 wks
-3.2.6.5.5 (+) RF System commissioning Wed 27.05.15 1 wk
-3.2.6.5.6 (+) Rack Shielding Wed 27.05.15 1 wk
-3.2.6.5.7 (i) Systems/Electronics Integration Wed 13.05.15 6 wks
-3.2.6.6 (i) CS8 Wed 24.09.14 2.45,67 d _{ys}
-3.2.6.6.1 (i) Cryomodules installation 12x Mon 01.12.14 12 d _{ys}
3.2.6.6.2 Cryo System installation (SCB) Wed 24.09.14 4 wks
-3.2.6.6.3 (i) Cryo String Assembly Wed 13.05.15 10 wks
-3.2.6.6.4 (i) RF System installation (WP01) 3x Wed 10.06.15 8 wks
-3.2.6.6.5 (i) RF System commissioning Wed 05.08.15 1 wk
-3.2.6.6.6 (i) Rack Shielding Wed 05.08.15 1 wk
-3.2.6.6.7 (i) Systems/Electronics Integration Wed 22.07.15 6 wks
-3.2.6.7 (i) CS9 Wed 17.12.14 2.45,67 d _{ys}
3.2.6.7.1 (i) Cryomodules installation 12x Mon 23.02.15 12 d _{ys}
-3.2.6.7.2 (+) Cryo System installation (SCB+Endbox) Wed 17.12.14 4 wks
-3.2.6.7.3 (i) Cryo String Assembly Wed 22.07.15 12 wks
-3.2.6.7.4 (i) RF System installation (WP01) 3x Wed 19.08.15 8 wks
-3.2.6.7.5 (i) RF System commissioning Wed 14.10.15 1 wk
-3.2.6.7.6 (i) Rack Shielding Wed 14.10.15 1 wk
-3.2.6.7.7 (i) Systems/Electronics Integration Wed 14.10.15 6 wks
3.2.7 T empline Wed 09.10.13 412,33 d _{ys}
3.2.7.1 survey and alignment Wed 09.10.13 2 wks

Line 506:

3.2.10.3 Vacuum Beamline Assembly Mon 13.10.14 10 wks
3.2.10.4 Racks+Elektronik installieren Mon 22.12.14 2 wks
-3.2.11 T1+T2+TLD im XSI Fri 28.12.12 90 d _{ys} ?
-3.2.11.1 Cryoleitung installieren/lesten Fri 28.12.12 10 d_{ys}
-3.2.11.2 Transferline 1 Fri 28.12.12 40 d _{ys}
-3.2.11.2.1 Supports Fri 28.12.12 2 wks
-3.2.11.2.2 Magnete Fri 11.01.13 3 wks
-3.2.11.2.3 Vakuumsystem Fri 01.02.13 3 wks
-3.2.11.3 Transferline 2 Fri 11.01.13 45 d _{ys}
-3.2.11.3.1 Supports Fri 11.01.13 2 wks
-3.2.11.3.2 Magnete Fri 25.01.13 3 wks
-3.2.11.3.3 Vakuumsystem Fri 22.02.13 3 wks

+3.2.6.4.4 (i) RF System installation (WP01) 3x Mon 02.03.15 10 wks
+3.2.6.4.5 (+) RF System commissioning Mon 11.05.15 1 wk
+3.2.6.4.6 (+) Rack Shielding Mon 11.05.15 1 wk
+3.2.6.4.7 (+) Systems/Electronics Integration Mon 20.04.15 6 wks
+3.2.6.5 (i) CS7 Wed 02.07.14 2.88 d _{ys}
3.2.6.5.1 (+) Cryomodules installation 12x Mon 08.09.14 12 d _{ys}
3.2.6.5.2 Cryo System installation (SCB) Wed 02.07.14 4 wks
+3.2.6.5.3 (i) Cryo String Assembly Mon 20.04.15 10 wks
+3.2.6.5.4 (i) RF System installation (WP01) 3x Mon 18.05.15 8 wks
+3.2.6.5.5 (i) RF System commissioning Mon 13.07.15 1 wk
+3.2.6.5.6 (i) Rack Shielding Mon 13.07.15 1 wk
+3.2.6.5.7 (i) Systems/Electronics Integration Mon 29.06.15 6 wks
+3.2.6.6 (i) CS8 Wed 24.09.14 2.73 d _{ys}
+3.2.6.6.1 (+) Cryomodules installation 12x Mon 01.12.14 12 d _{ys}
3.2.6.6.2 Cryo System installation (SCB) Wed 24.09.14 4 wks
+3.2.6.6.3 (i) Cryo String Assembly Mon 29.06.15 9 wks
+3.2.6.6.4 (i) RF System installation (WP01) 3x Mon 27.07.15 8 wks
+3.2.6.6.5 (i) RF System commissioning Mon 21.09.15 1 wk
+3.2.6.6.6 (i) Rack Shielding Mon 21.09.15 1 wk
+3.2.6.6.7 (i) Systems/Electronics Integration Mon 31.08.15 6 wks
+3.2.6.7 (i) CS9 Wed 17.12.14 2.58 d _{ys}
3.2.6.7.1 (i) Cryomodules installation 12x Mon 23.02.15 12 d _{ys}
+3.2.6.7.2 Cryo System installation (SCB+Endbox) Wed 17.12.14 4 wks
+3.2.6.7.3 (i) Cryo String Assembly Mon 31.08.15 9 wks
+3.2.6.7.4 (i) RF System installation (WP01) 3x Mon 28.09.15 8 wks
+3.2.6.7.5 (i) RF System commissioning Mon 23.11.15 1 wk
+3.2.6.7.6 (i) Rack Shielding Mon 23.11.15 1 wk
+3.2.6.7.7 (i) Systems/Electronics Integration Mon 02.11.15 6 wks
3.2.7 T empline Wed 09.10.13 412,33 d _{ys}
3.2.7.1 survey and alignment Wed 09.10.13 2 wks

Line 540:

3.2.10.3 Vacuum Beamline Assembly Mon 13.10.14 10 wks
3.2.10.4 Racks+Elektronik installieren Mon 22.12.14 2 wks
+3.2.11 T1+T2+TLD im XSI Fri 28.12.12 613 d _{ys} ?
+3.2.11.1 Transferline 1 Fri 28.12.12 40 d _{ys}
+3.2.11.1.1 Supports Fri 28.12.12 2 wks
+3.2.11.1.2 Magnete Fri 11.01.13 3 wks
+3.2.11.1.3 Vakuumsystem Fri 01.02.13 3 wks
+3.2.11.2 Transferline 2 Fri 11.01.13 45 d _{ys}
+3.2.11.2.1 Supports Fri 11.01.13 2 wks
+3.2.11.2.2 Magnete Fri 25.01.13 3 wks
+3.2.11.2.3 Vakuumsystem Fri 22.02.13 3 wks
+3.2.11.3 Dump Fri 28.12.12 613 d _{ys} ?

-	3.2.11.4	Dump	Fri 28.12.12	90	days?	
-	3.2.11.4.1	Supports	Fri 28.12.12	5	days?	
-	3.2.11.4.2	Magnetes	Fri 04.01.13	5	days?	
-	3.2.11.4.3	Vakuumsystem	Fri 15.03.13	2	wks	
-	3.2.11.4.4	MAIN Beam Dump Installation + commissioning	Fri 28.12.12	90	days	
-	3.3.1	Machine commissioning	Wed 25.11.15	85	days	
-	3.3.1.1	L1+L2+L3 kalifahren	Wed 25.11.15	2	wks	
-	3.3.2	RF-Tests mit kalten Modulen	Wed 09.12.15	4	wks	
-	3.3.3	Commissioning L1 bis dump mit Strahl	Wed 06.01.16	15	days	
-	3.3.4	Commissioning L1+L2 bis dump mit Strahl	Wed 27.01.16	15	days	
-	3.3.5	Commissioning L1+L2+L3 bis dump mit Strahl	Wed 17.02.16	15	days	
-	3.3.6	Establishing SASE in first Undulator section	Wed 09.03.16	2	wks	
-	4	Photon Beamlines Section	Mon 30.01.12	1076	days?	
-	4.1	Shaft Buildings	2.3.4	Mon 01.10.12	881	days?
-	4.1.1	X-HE2-S2	Fri 03.01.14	552	days?	
-	4.1.1.1	Survey (WP32)	Fri 03.01.14	10	days	
-	4.1.1.2	(+)	Infrastructure Installation (WP34)	Mon 03.11.14	12	mons
-	4.1.1.3	Machine Installation	XS2	Mon 10.08.15	30	days
-	4.1.1.4	Machine test & commissioning	XS2	Mon 21.09.15	5	days
-	4.1.1.5	PBL SASE2 Inst. (WP-73)	Mon 28.09.15	20	wks	
-	4.1.1.6	-	Mon 15.02.16	1	dy?	
-	4.1.2	X-HE3-S3	Fri 06.09.13	426	days?	

4.1.2.1	Survey (WP32)	Fri 06.09.13	10	days
-	4.1.2.2	Infrastructure Installation (WP34)	Mon 03.03.14	300 days?
-	4.1.2.2.1	"(duration as in " excel-list")"	Mon 03.03.14	15 m mons
4.1.2.2.2	(start-end duration derived from WP-34-plan)	Mon 03.03.14	1	30 days
4.1.2.2.3	High Power Supplies	Mon 03.03.14	1	dy?

Line 552:

4.1.2.5	PBL SASEInst. (WP-73)	Mon 02.06.14	30	wks
4.1.2.6	-	Mon 29.12.14	1	dy?
-	4.1.3	X-HS4-S4	Thu 14.11.13	528 days?
4.1.3.1	Survey (WP32)	Thu 14.11.13	10	days
-	4.1.3.2	Infrastructure Installation (WP34)	Mon 03.11.14	12 mons
-	4.1.3.3	Machine Installation X54	Mon 05.10.15	30 days
-	4.1.3.4	Machine test & commissioning X54	Mon 16.11.15	5 days

+	3.2.11.3.1	Supports	Fri 28.12.12	5	dys?	
+	3.2.11.3.2	Magnetes	Fri 04.01.13	5	dys?	
+	3.2.11.3.3	Vakuumsystem	Wed 17.12.14	2	wks	
+	3.2.11.3.4	MAIN Beam Dump installation + commissioning	Wed 31.12.14	90	dys	
+	3.3. (1)	Machine commissioning	Mon 14.12.15	85	dys	
+	3.3.1 (1)	L1+L2+L3 kalifahren	Mon 14.12.15	2	wks	
+	3.3.2 (1)	RF-Tests mit kalten Modulen	Mon 28.12.15	4	wks	
+	3.3.3 (1)	Commissioning L1 bis dump mit Strahl	Mon 25.01.16	15	dys	
+	3.3.4 (1)	Commissioning L1+L2 bis dump mit Strahl	Mon 15.02.16	15	dys	
+	3.3.5 (1)	Commissioning L1+L2+L3 bis dump mit Strahl	Mon 07.03.16	15	dys	
+	3.3.6 (1)	Establishing SASE in first Undulator section	Mon 28.03.16	2	wks	
+	4	Photon Beamlines Section	Mon 22.08.11	1269	dys?	
+	4.1	Shaft Buildings	2.3.4	Mon 01.10.12	836	dys?
+	4.1.1	X-HE2-S2	Fri 03.01.14	507	dys?	
+						

+	4.1.1.2	XS2-HE2	Infrastructure Installation (WP34)	Mon 03.11.14	150	days?
+	4.1.1.2.1	(start-end duration derived from WP-34-plan)	Mon 03.11.14	1	dy?	
+	4.1.1.2.2	("(duration as in ""excel-list"")"	Mon 03.11.14	107	days	
+	4.1.1.2.3	Cable Trays XS2	Mon 03.11.14	1	dy?	
+	4.1.1.2.4	Power Supplies & High Power Supplies	Mon 03.11.14	100	days	
+	4.1.1.2.5	Water Cooling and Compressed Air	Mon 03.11.14	150	days	
+	4.1.1.2.6	Heating, Ventilation and Air Conditioning	Mon 03.11.14	100	days	
+	4.1.1.2.7	Process Control and Instrumentation	Mon 03.11.14	100	days	
+	4.1.1.2.8	Protections and Safety Systems	Mon 03.11.14	50	days	
+	4.1.1.3	Machine Installation XS2	Mon 01.06.15	1	dy?	
+	4.1.1.4	Machine test & commissioning XS2	Tue 02.06.15	5	days	
+	4.1.1.5	PBL SASE2 Inst. (WP-73)	Mon 27.07.15	20	wks	
+	4.1.1.6	- Mon 14.12.15	1	dy?		
+	4.1.2	X-HE3-S3	Fri 06.09.13	342	days?	
	4.1.2.1	Survey (WP32)	Fri 06.09.13	10	days	
+	4.1.2.2	XS3-HE3	Infrastructure Installation (WP34)	Mon 03.03.14	140	days?
+	4.1.2.2.1	("(duration as in ""excel-list"")"	Mon 03.03.14	130	days	
+	4.1.2.2.2	(start-end duration derived from WP-34-plan)	Mon 03.03.14	1	30	days
+	4.1.2.2.3	High Power Supplies	Mon 03.03.14	1	dy?	

Line 593:

4.1.2.5	PBL SASE1 Inst. (WP-73)	Mon 02.06.14	30 wks
4.1.2.6	-	Mon 29.12.14	1 dy?
+ 4.1.3	X-HS4-S4	Thu 14.11.13	402 days?
4.1.3.1	Survey (WP32)	Thu 14.11.13	10 days
+ 4.1.3.2	XS4-HE4 Infrastructure Installation (WP34)	Mon 03.11.14	150 days?
+ 4.1.3.2.1	(start-end duration derived from WP-34-plan)	Mon 03.11.14	1 dy?
+ 4.1.3.2.2	"(duration as in ""excel-list"")"	Mon 03.11.14	107 days

-4.1.3.5 - Mon 23.11.15 1 dy?
-4.1.4 Dumps U1,U2 Mon 01.10.12 809 dys?
-4.1.4.1 XSDU1 Thu 01.11.12 668.5 dys?

4.1.4.1.1 Initial survey (WP32) Thu 01.11.12 1 dy?
-4.1.4.1.2 Infrastructure Installation (WP34) Mon 03.11.14 21.3 wks?
-4.1.4.1.3 Dump1 installation Tue 31.03.15 30 dys
-4.1.4.1.4 Dump1 commissioning Tue 12.05.15 10 dys
-4.1.4.1.5 - Mon 25.05.15 1 dy?
-4.1.4.2 XSDU2 Mon 01.10.12 809 dys?

4.1.4.2.1 Initial survey (WP32) Mon 01.10.12 1 dy?
-4.1.4.2.2 Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
4.1.4.2.2.1 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
4.1.4.2.2.2 High Power Supplies Mon 03.03.14 1 dy?

Line 575:

4.1.4.2.2.6 Protections and Safety Systems Mon 03.03.14 50 dys
4.1.4.2.2.7 IT Systems Mon 03.03.14 30 dys
-4.1.4.2.3 Dump2 Installation Mon 15.09.14 30 dys
-4.1.4.2.4 Dump2 commissioning Mon 27.10.14 10 dys
-4.1.4.2.5 - Thu 05.11.15 1 dy?
-4.2 XT D1 (SASE2) (Undu) Mon 30.01.12 984 dys?
-4.2.1 Initial survey (WP32) Mon 30.01.12 31 dys
-4.2.1.1 mounting of reference marks Mon 30.01.12 5 dys
-4.2.1.2 1st passage Mon 06.02.12 16 dys
-4.2.1.3 2nd passage Tue 28.02.12 10 dys
-4.2.2 (I) Infrastructure Installation (WP34) Fri 01.08.14 160 dys
-4.2.2.1 Infrastructure, div. Fri 01.08.14 8 mons
-4.2.2.2 (I) IS for IT Systems xtd1 Fri 01.08.14 30 dys
-4.2.3 Personnel Interlock (WP-38) Fri 01.08.14 40 dys?

+4.1.3.2.3 Cable Trays XS4 Mon 03.11.14 30 dys
+4.1.3.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys
+4.1.3.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys
+4.1.3.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys
+4.1.3.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys
+4.1.3.2.8 Protections and Safety Systems Mon 03.11.14 50 dys
+4.1.3.3 Machine Installation XS4 Mon 12.01.15 30 dys
+4.1.3.4 Machine test & commissioning XS4 Mon 23.02.15 5 dys
+4.1.3.5 - Mon 02.03.15 1 dy?
+4.1.4 Dumps U1,U2 Mon 01.10.12 695 dys?
+4.1.4.1 XSDU1 Thu 01.11.12 672 dys?
4.1.4.1.1 Initial survey (WP32) Thu 01.11.12 1 dy?
+4.1.4.1.2 XSDU1 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?
+4.1.4.1.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?
+4.1.4.1.2.2 "duration as in ""excel-list"" Mon 03.11.14 1 dy?
+4.1.4.1.2.3 Cable Trays XS4 Mon 03.11.14 30 dys
+4.1.4.1.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys
+4.1.4.1.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys
+4.1.4.1.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys
+4.1.4.1.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys
+4.1.4.1.2.8 Protections and Safety Systems Mon 03.11.14 50 dys
+4.1.4.1.3 Dump1 installation Wed 11.02.15 30 dys
+4.1.4.1.4 Dump1 commissioning Wed 25.03.15 10 dys
+4.1.4.2 XSDU2 Mon 01.10.12 627 dys?
4.1.4.2.1 Initial survey (WP32) Mon 01.10.12 1 dy?
+4.1.4.2.2 XSDU2 Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
4.1.4.2.2.1 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
4.1.4.2.2.2 High Power Supplies Mon 03.03.14 1 dy?

Line 631:

4.1.4.2.2.6 Protections and Safety Systems Mon 03.03.14 50 dys
4.1.4.2.2.7 IT Systems Mon 03.03.14 30 dys
+4.1.4.2.3 Dump2 Installation Wed 31.12.14 30 dys
+4.1.4.2.4 Dump2 commissioning Wed 11.02.15 10 dys
+4.1.4.2.5 PBL SASE3 Inst. (WP-73) Mon 15.09.14 20 dys
+4.2 (+) XT D1 (SASE2) (Undu) Mon 29.04.13 680 dys?
+4.2.1 Initial survey (WP32) Mon 29.04.13 100 dys
+4.2.1.1 XT D1 reserved for survey Mon 29.04.13 100 dys
+4.2.1.2 installing reference grid XT D1 Mon 29.04.13 5 dys
+4.2.1.3 surveying & defining reference grid XT D1 Mon 06.05.13 10 dys
+4.2.1.4 staking out beamlines XT D1 Mon 20.05.13 15 dys
+4.2.2 (+) XT D1 Infrastructure Installation (WP34) Mon 01.09.14 150 dys
+4.2.2.1 (start-end duration derived from WP-34-plan) Mon 01.09.14 86 dys
+4.2.2.2 "duration as in ""excel-list"" Mon 01.09.14 86 dys

4.2.4 DAQ installation (SASE2) - (see below) Mon 15.12.14 120 dys
- 4.2.5 Machine Installation Fri 16.01.15 120 dys?
- 4.2.5.1 EB magnets sase2 Fri 16.01.15 50 dys?
- 4.2.5.2 intersections Fri 27.03.15 50 dys?
- 4.2.5.3 EB Vac sase2 Fri 05.06.15 20 dys?
- 4.2.6 Undulators (SASE2) Fri 03.07.15 1 mon
- 4.2.7 Undulator Alignment (SASE2) Fri 31.07.15 1 mon
- 4.2.8 Undulator Test of Contr.Syst. (SASE2) Fri 28.08.15 2 mons
- 4.2.9 Machine test & commissioning XTID1 Fri 23.10.15 10 dys
- 4.2.10 WP-73 PBL sase2 Inst. (XTID1) Fri 13.03.15 20 wks
- 4.2.11 - Fri 31.07.15 1 dy?
- 4.3 XTID2 (SASE1) (Undu) Wed 29.02.12 826 dys?
- 4.3.1 initial survey (WP32) Wed 29.02.12 38 dys
- 4.3.1.1 mounting of reference marks Wed 29.02.12 6 dys
- 4.3.1.2 1st passage Thu 08.03.12 20 dys
- 4.3.1.3 2nd passage Thu 05.04.12 12 dys
- 4.3.2 Infrastructure Installation (WP34) Mon 01.07.13 160 dys?
4.3.2.1 (start-end duration derived from WP-34-plan) Mon 01.07.13 132 dys
- 4.3.2.2 "(duration as is ""excelist"")" Mon 01.07.13 8 mons
- 4.3.2.3 High Power Supplies Mon 01.07.13 1 dy?
- 4.3.2.4 Water Cooling and Compressed Air Mon 01.07.13 140 dys
- 4.3.2.5 Heating, Ventilation and Air Conditioning Mon 01.07.13 70 dys
- 4.3.2.6 Process Control and Instrumentation Mon 01.07.13 100 dys
- 4.3.2.7 Protections and Safety Systems Mon 01.07.13 50 dys
- 4.3.2.8 IS for IT Systems xtd2 Mon 01.07.13 30 dys
4.3.3 Personnel Interlock (WP-38) Mon 09.09.13 40 dys?
- 4.3.4 DAQ Installation (SASE1) - (see below) Tue 13.05.14 120 dys
- 4.3.5 Machine Installation Mon 10.02.14 5 mons
- 4.3.6 EB magnets sase1 Mon 10.02.14 50 dys?
4.3.7 intersections sase1 Mon 23.06.14 50 dys?
4.3.8 EB vac sase1 Mon 01.09.14 20 dys?

Line 622:

4.3.11 Undulator Test of Control Syst. (SASE1) Thu 19.02.15 2 mons
4.3.12 Machine test & commissioning XTID2 Thu 16.04.15 10 dys
- 4.3.13 WP-73 PBL sase1 Inst. (XTID2/SS) Mon 10.02.14 30 wks

+ 4.2.2.3 Cable Trays XTID1 Mon 01.09.14 30 dys
+ 4.2.2.4 Power Supplies & High Power Supplies Mon 01.09.14 100 dys
+ 4.2.2.5 (+) Water Cooling & Compressed Air Mon 01.09.14 150 dys
+ 4.2.2.6 Heating, Ventilation & Air Conditioning Mon 01.09.14 70 dys
+ 4.2.2.7 Process Control and Instrumentation Mon 01.09.14 100 dys
+ 4.2.2.8 Protections & Safety Systems Mon 01.09.14 100 dys
+ 4.2.3 Personnel Interlock (WP-38) Mon 01.09.14 40 dys?
4.2.4 DAQ installation (SASE2) - (see below) Mon 15.12.14 120 dys
+ 4.2.5 (+) Machine Installation Mon 16.02.15 120 dys?
+ 4.2.5.1 (+) EB magnets sase2 Mon 16.02.15 50 dys?
+ 4.2.5.2 (+) intersections Mon 27.04.15 50 dys?
+ 4.2.5.3 (+) EB Vac sase2 Mon 06.07.15 20 dys?
+ 4.2.6 (+) Undulators (SASE2) Mon 03.08.15 1 mon
+ 4.2.7 (+) Undulator Alignment (SASE2) Mon 31.08.15 1 mon
+ 4.2.8 (+) Undulator Test of Contr.Syst. (SASE2) Mon 28.09.15 2 mons
+ 4.2.9 (+) Machine test & commissioning XTID1 Mon 23.11.15 10 dys
+ 4.2.10 (+) PBL SASE2 Installation (XTID1 /SS2) (WP-73) Mon 30.03.15 20 wks
+ 4.2.11 - Mon 17.08.15 1 dy?
+ 4.3 XTID2 (SASE1) (Undu) Tue 18.09.12 682 dys?
+ 4.3.1 initial survey (WP32) Tue 18.09.12 100 dys
+ 4.3.1.1 XTID2 reserved for survey Tue 18.09.12 100 dys
+ 4.3.1.2 installing reference grid XTID2 Tue 18.09.12 5 dys
+ 4.3.1.3 surveying & defining reference grid XTID2 Tue 25.09.12 10 dys
+ 4.3.1.4 staking out beamlines XTID2 Tue 09.10.12 15 dys
+ 4.3.2 XTID2 Infrastructure Installation (WP34) Mon 01.07.13 140 dys?
4.3.2.1 (start-end duration derived from WP-34-plan) Mon 01.07.13 132 dys
+ 4.3.2.2 "(duration as is ""excelist"")" Mon 01.07.13 132 dys
+ 4.3.2.3 Cable Trays XTID2 Mon 01.07.13 30 dys
+ 4.3.2.4 Power Supplies & High Power Supplies Mon 01.07.13 1 dy?
+ 4.3.2.5 Water Cooling & Compressed Air Mon 01.07.13 140 dys
+ 4.3.2.6 Heating, Ventilation and Air Conditioning Mon 01.07.13 70 dys
+ 4.3.2.7 Process Control and Instrumentation Mon 01.07.13 100 dys
+ 4.3.2.8 Protections and Safety Systems Mon 01.07.13 50 dys
+ 4.3.3 Personnel Interlock (WP-38) Mon 09.09.13 40 dys?
+ 4.3.4 DAQ Installation (SASE1) - (see below) Mon 14.04.14 120 dys
+ 4.3.5 Machine Installation Mon 13.01.14 5 mons
+ 4.3.6 EB magnets sase1 Mon 13.01.14 50 dys?
4.3.7 intersections sase1 Mon 23.06.14 50 dys?
4.3.8 EB vac sase1 Mon 01.09.14 20 dys?

Line 686:

4.3.11 Undulator Test of Control Syst. (SASE1) Thu 19.02.15 2 mons
4.3.12 Machine test & commissioning XTID2 Thu 16.04.15 10 dys
+ 4.3.13 PBL SASE1 Inst. (XTID2/SS) (WP-73) Mon 27.01.14 30 wks

-4.3.14 - Mon 08.09.14 1 dy	+4.3.14 - Mon 25.08.14 1 dy
-4.4.XTD3 Mon 18.06.12 905 dys?	+4.4.XTD3 (u1) Mon 29.04.13 650 dys?
-4.4.1 initial survey (WP32) Mon 18.06.12 17 dys	+4.4.1 initial survey (WP32) Mon 29.04.13 30 dys
-4.4.1.1 mounting of reference marks Mon 18.06.12 3 dys	+4.4.1.1 XTD3 reserved for survey Mon 29.04.13 30 dys
-4.4.1.2 1st passage Thu 21.06.12 9 dys	+4.4.1.2 installing reference grid U1 Mon 29.04.13 5 dys
-4.4.1.3 2nd passage Wed 04.07.12 5 dys	+4.4.1.3 surveying & defining reference grid U1 Mon 06.05.13 10 dys
-4.4.2 (+) Infrastructure Installation (WP34) Mon 03.11.14 9 mons	+4.4.1.4 stake out U1 Mon 20.05.13 15 dys
-4.4.3 Personnel Interlock (WP-38) Mon 13.07.15 40 dys?	+4.4.2 XTD3 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?
-4.4.4 (+) Machine Installation Mon 13.07.15 5 mons	+4.4.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?
-4.4.5 Machine test & commissioning XTD3 Mon 30.11.15 5 dys	+4.4.2.2 "duration as in "excel-list"" Mon 03.11.14 43 dys
-4.4.6 - Fri 04.12.15 1 dy	+4.4.2.3 Cable Trays XTD3 Mon 03.11.14 30 dys
-4.5.XTD4 (SASE3) (Undu) Mon 30.04.12 961 dys?	+4.4.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys
-4.5.1 initial survey (WP32) Mon 30.04.12 19 dys	+4.4.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys
-4.5.1.1 mounting of reference marks Mon 30.04.12 3 dys	+4.4.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys
-4.5.1.2 1st passage Thu 03.05.12 10 dys	+4.4.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys
-4.5.1.3 2nd passage Thu 17.05.12 6 dys	+4.4.2.8 Protections and Safety Systems Mon 03.11.14 50 dys
-4.5.2 (I) Infrastructure Installation (WP34) Mon 03.03.14 260 dys?	+4.4.3 Personnel Interlock (WP-38) Mon 12.01.15 40 dys?
-4.5.2.1 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys	+4.4.4 Machine Installation Mon 01.06.15 5 mons
-4.5.2.2 "duration as in "excel-list"" Mon 03.03.14 13 mons	+4.4.5 Machine test & commissioning XTD3 Mon 19.10.15 5 dys
-4.5.2.3 High Power Supplies Mon 03.03.14 1 dy?	+4.4.6 - Fri 23.10.15 1 dy
-4.5.2.4 Water Cooling and Compressed Air Mon 03.03.14 140 dys	+4.5 (+) XTD4 (SASE3) (Undu) Tue 18.09.12 790 dys?
-4.5.2.5 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys	+4.5.1 initial survey (WP32) Tue 18.09.12 100 dys
-4.5.2.6 Process Control and Instrumentation Mon 03.03.14 100 dys	+4.5.1.1 XTD4 reserved for survey Tue 18.09.12 100 dys
-4.5.2.7 Protections and Safety Systems Mon 03.03.14 50 dys	+4.5.1.2 installing reference grid XTD4 Tue 18.09.12 5 dys
-4.5.2.8 (I) IS for IT Systems xtd4 Mon 03.03.14 30 dys	+4.5.1.3 surveying & defining reference grid XTD4 Tue 25.09.12 10 dys
	+4.5.1.4 staking out beamlines XTD4 Tue 09.10.12 15 dys
	+4.5.2 (+) Infrastructure Installation XTD4 (WP34) Mon 03.03.14 140 dys?
	+4.5.2.1 (+) (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
	+4.5.2.2 (+) "duration as in "excel-list"" Mon 03.03.14 130 dys
	+4.5.2.3 Cable Trays XTD4 Mon 03.03.14 30 dys
	+4.5.2.4 Power Supplies & High Power Supplies Mon 03.03.14 1 dy?
	+4.5.2.5 (+) Water Cooling and Compressed Air Mon 03.03.14 140 dys
	+4.5.2.6 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
	+4.5.2.7 Process Control and Instrumentation Mon 03.03.14 100 dys
	+4.5.2.8 Protections and Safety Systems Mon 03.03.14 50 dys
4.5.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?	4.5.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
4.5.4 DAQ Installation (SASE3) - (see below) Mon 14.04.14 120 dys	4.5.4 DAQ Installation (SASE3) - (see below) Mon 14.04.14 120 dys
-4.5.5 (I) Machine Installation Mon 05.01.15 5 mons	+4.5.5 Machine Installation Mon 29.09.14 5 mons
-4.5.6 (I) EB magnets sase3 Mon 05.01.15 50 dys?	+4.5.6 EB magnets sase3 Mon 29.09.14 50 dys?
-4.5.7 (I) intersections sase3 Mon 16.03.15 50 dys?	+4.5.7 intersections sase3 Mon 22.12.14 50 dys?
-4.5.8 (I) EB vac sase3 Mon 25.05.15 20 dys?	+4.5.8 EB vac sase3 Mon 02.03.15 20 dys?
-4.5.9 (I) Undulator (SASE3) Mon 22.06.15 1 mon	+4.5.9 Undulator (SASE3) Mon 30.03.15 1 mon
-4.5.10 (I) Undulator Alignment (SASE3) Mon 20.07.15 1 mon	+4.5.10 Undulator Alignment (SASE3) Mon 27.04.15 1 mon

- 4.5.1.1 (D) Undulator Test of Contr.Syst. (SASE3) Mon 17.08.15.2 mons	+ 4.5.1.1 Undulator Test of Contr.Syst. (SASE3) Mon 25.05.15.2 mons
- 4.5.1.2 (D) Machine test & commissioning XTID4 Mon 12.10.15.10 dys	+ 4.5.1.2 Machine test & commissioning XTID4 Mon 20.07.15.10 dys
- 4.5.1.3 WP-73 PBL sase3 Inst. Mon 05.01.15.52 wks	+ 4.5.1.3 (+) PBL SASE3 Installation (XTID4/XSDU2) (WP-73) Mon 29.09.14.52 wks
- 4.5.1.4 - Mon 04.01.16.1 dy	+ 4.5.1.4 (+) - Mon 28.09.15.1 dy
- 4.6.XTID5 Mon 18.06.12.885 dys?	+ 4.6.XTID5 (u2) Mon 29.04.13.630 dys?
- 4.6.1 initial survey (WP32) Mon 18.06.12.13 dys	+ 4.6.1 initial survey (WP32) Mon 29.04.13.30 dys
- 4.6.1.1 mounting of reference marks Mon 18.06.12.2 dys	+ 4.6.1.1 XTID5 reserved for survey Mon 29.04.13.30 dys
- 4.6.1.2 1st passage Wed 20.06.12.7 dys	+ 4.6.1.2 installing reference grid U2 Mon 29.04.13.5 dys
- 4.6.1.3 2nd passage Fri 29.06.12.4 dys	+ 4.6.1.3 surveying & defining reference grid U2 Mon 06.05.13.10 dys
- 4.6.2 Infrastructure Installation (WP34) Mon 03.11.14.9 mons	+ 4.6.1.4 staking out beamlines U2 Mon 20.05.13.15 dys
- 4.6.3 Personnel Interlock (WP-38) Mon 13.07.15.40 dys?	+ 4.6.2.XTID5 Infrastructure Installation (WP34) Mon 03.11.14.150 dys?
- 4.6.4 Machine Installation XTID5 Mon 13.07.15.4 mons	+ 4.6.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14.1 dy?
- 4.6.5 Machine test & commissioning XTID5 Mon 02.11.15.5 dys	+ 4.6.2.2 "(duration as in ""excel-list"")" Mon 03.11.14.107 dys
- 4.6.6 - Fri 06.11.15.1 dy	+ 4.6.2.3 Cable Trays XTID5 Mon 03.11.14.30 dys
- 4.7.XTID6 (SASE2) for (MID/HED) Fri 09.11.12.827 dys?	+ 4.6.2.4 Power Supplies & High Power Supplies Mon 03.11.14.100 dys
- 4.7.1 initial survey (WP32) Fri 09.11.12.42 dys	+ 4.6.2.5 Water Cooling and Compressed Air Mon 03.11.14.150 dys
- 4.7.1.1 mounting of reference marks Fri 09.11.12.7 dys	+ 4.6.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14.100 dys
- 4.7.1.2 1st passage Tue 20.11.12.22 dys	+ 4.6.2.7 Process Control and Instrumentation Mon 03.11.14.100 dys
- 4.7.1.3 2nd passage Thu 20.12.12.13 dys	+ 4.6.2.8 Protections and Safety Systems Mon 03.11.14.50 dys
- 4.7.2 (U) Infrastructure Installation (WP34) Mon 03.11.14.240 dys	+ 4.6.3 Personnel Interlock (WP-38) Mon 12.01.15.40 dys?
- 4.7.2.1 Infrastructure, div. Mon 03.11.14.12 mons	+ 4.6.4 Machine Installation XTID5 Mon 01.06.15.4 mons
- 4.7.2.2 (U) IS for IT Systems xtId6 Mon 03.11.14.30 dys	+ 4.6.5 Machine test & commissioning XTID5 Mon 21.09.15.5 dys
	+ 4.6.6 - Fri 25.09.15.1 dy
	+ 4.7 (+) XTID6 (SASE2) for (MID/HED) Mon 29.04.13.696 dys?
	+ 4.7.1 initial survey (WP32) Mon 29.04.13.100 dys
	+ 4.7.1.1 XTID6 reserved for survey Mon 29.04.13.100 dys
	+ 4.7.1.2 installing reference grid XTID6 Mon 29.04.13.5 dys
	+ 4.7.1.3 surveying & defining reference grid XTID6 Mon 06.05.13.10 dys
	+ 4.7.1.4 staking out beamlines XTID6 Mon 20.05.13.15 dys
	+ 4.7.2.XTID6 Infrastructure Installation (WP34) Mon 03.11.14.150 dys?
	+ 4.7.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14.1 dy?
	+ 4.7.2.2 "(duration as in ""excel-list"")" Mon 03.11.14.107 dys
	+ 4.7.2.3 Cable Trays XTID6 Mon 03.11.14.30 dys
	+ 4.7.2.4 Power Supplies & High Power Supplies Mon 03.11.14.100 dys
	+ 4.7.2.5 Water Cooling and Compressed Air Mon 03.11.14.150 dys
	+ 4.7.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14.100 dys
	+ 4.7.2.7 Process Control and Instrumentation Mon 03.11.14.100 dys
	+ 4.7.2.8 Protections and Safety Systems Mon 03.11.14.50 dys
4.7.3 Personnel Interlock (WP-38) Mon 03.11.14.40 dys?	4.7.3 Personnel Interlock (WP-38) Mon 03.11.14.40 dys?
4.7.4 DAQ Installation (SASE2) - (see below) Mon 15.12.14.120 dys	4.7.4 DAQ Installation (SASE2) - (see below) Mon 15.12.14.120 dys
- 4.7.5 PBL sase2 Inst. WP-73 Mon 10.08.15.20 wks	+ 4.7.5 (+) PBL SASE2 Installation (XTID6) (WP-73) Mon 27.07.15.20 wks
- 4.7.6 PB diag Mon 05.10.15.60 dys?	+ 4.7.6 PB diag Mon 01.06.15.60 dys?
- 4.7.7 PB tests and commissioning Mon 28.12.15.10 dys	+ 4.7.7 (+) PB tests and commissioning Mon 14.12.15.10 dys

-4.7.8 - Mon 11.01.16 1 dy
-4.8.XTD7 Mon 18.06.12 832 dys?
-4.8.1 initial survey (WP32) Mon 18.06.12 9 dys
-4.8.1.1 mounting of reference marks Mon 18.06.12 1 dy
-4.8.1.2 1st passage Tue 19.06.12 5 dys
-4.8.1.3 2nd passage Tue 26.06.12 3 dys
-4.8.1.4 (x) survey and marking finished Thu 28.06.12
-4.8.2 Infrastructure Installation (WP34) Mon 03.11.14 10 mons
-4.8.3 Personnel Interlock (WP-38) Mon 10.08.15 1 dy?
-4.8.4 Tests & Commissioning Tue 11.08.15 10 dys
-4.8.5 - Tue 25.08.15 1 dy?
-4.9.XTD8 Thu 01.03.12 909 dys?

4.9.1 initial survey (WP32) Thu 01.03.12 23 dys
-4.9.1.1 mounting of reference marks Thu 01.03.12 4 dys
-4.9.1.2 1st passage Wed 07.03.12 12 dys
-4.9.1.3 2nd passage Fri 23.03.12 7 dys
-4.9.1.4 (x) survey and marking finished Mon 02.04.12
-4.9.2 Infrastructure Installation (WP34) Mon 03.11.14 10 mons
-4.9.3 Personnel Interlock (WP-38) Mon 10.08.15 1 dy?
-4.9.4 Tests & commissioning Tue 11.08.15 10 dys
-4.9.5 - Tue 25.08.15 1 dy?
-4.10.XTD9 (SASE1) for (SPB/FXE) Fri 30.03.12 967 dys?
-4.10.1 initial survey (WP32) Fri 30.03.12 34 dys
-4.10.1.1 mounting of reference marks Fri 30.03.12 5 dys
-4.10.1.2 1st passage Fri 06.04.12 18 dys
-4.10.1.3 2nd passage Wed 02.05.12 11 dys
-4.10.2 (I) Infrastructure Installation (WP34) Mon 03.03.14 300 dys?

+4.7.8 (+) - Mon 28.12.15 1 dy
+4.8.XTD7 Mon 29.04.13 545 dys?
+4.8.1 initial survey (WP32) Mon 29.04.13 20 dys
+4.8.1.1 XTD7 reserved for survey ? Mon 29.04.13 20 dys
+4.8.1.2 mounting of reference marks Mon 29.04.13 1 dy
+4.8.1.3 1st passage Tue 30.04.13 5 dys
+4.8.1.4 2nd passage Tue 07.05.13 3 dys
+4.8.2.XTD7 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?
+4.8.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?
+4.8.2.2 "duration as in "excel-list"" Mon 03.11.14 107 dys
+4.8.2.3 Cable Trays XTD3 Mon 03.11.14 30 dys
+4.8.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys
+4.8.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys
+4.8.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys
+4.8.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys
+4.8.2.8 Protections and Safety Systems Mon 03.11.14 50 dys
+4.8.3 Personnel Interlock (WP-38) Mon 12.01.15 1 dy?
+4.8.4 Tests & Commissioning Tue 13.01.15 10 dys
+4.8.5 - Tue 27.01.15 1 dy?
+4.9.XTD8 Thu 01.03.12 847 dys?
4.9.1 initial survey (WP32) Thu 01.03.12 23 dys
+4.9.1.1 XTD8 reserved for survey ? Thu 01.03.12 20 dys
+4.9.1.2 mounting of reference marks Thu 01.03.12 4 dys
+4.9.1.3 1st passage Wed 07.03.12 12 dys
+4.9.1.4 2nd passage Fri 23.03.12 7 dys
+4.9.2.XTD8 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?
+4.9.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?
+4.9.2.2 "duration as in "excel-list"" Mon 03.11.14 107 dys
+4.9.2.3 Cable Trays XTD3 Mon 03.11.14 30 dys
+4.9.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys
+4.9.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys
+4.9.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys
+4.9.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys
+4.9.2.8 Protections and Safety Systems Mon 03.11.14 50 dys
+4.9.3 Personnel Interlock (WP-38) Mon 12.01.15 1 dy?
+4.9.4 Tests & commissioning Tue 13.01.15 10 dys
+4.9.5 - Tue 27.01.15 1 dy?
+4.10.XTD9 (SASE1) for (SPB/FXE) Tue 18.09.12 735 dys?
+4.10.1 initial survey (WP32) Tue 18.09.12 100 dys
+4.10.1.1 XTD9 reserved for survey Tue 18.09.12 100 dys
+4.10.1.2 installing reference grid XTD9 Tue 18.09.12 5 dys
+4.10.1.3 surveying & defining reference grid XTD9 Tue 25.09.12 10 dys
+4.10.1.4 staking out beamlines XTD9 Tue 09.10.12 15 dys

4.10.2.1 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
- 4.10.2.2 "(duration as is "excel-list")" Mon 03.03.14 15 mons
- 4.10.2.3 High Power Supplies Mon 03.03.14 1 dy?
- 4.10.2.4 Water Cooling and Compressed Air Mon 03.03.14 140 dys
- 4.10.2.5 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
- 4.10.2.6 Process Control and Instrumentation Mon 03.03.14 100 dys
- 4.10.2.7 Protections and Safety Systems Mon 03.03.14 50 dys
- 4.10.2.8 (I) IS for IT Systems xtd9 Mon 03.03.14 30 dys
4.10.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
- 4.10.4 DAO Installation (SASE1) - (see below) Tue 13.05.14 120 dys
- 4.10.5 PBL sase1 installation WP-73 Mon 02.03.15 39 wks
- 4.10.6 PB diag sase1 WP-74 Mon 27.04.15 60 dys?
- 4.10.7 tests & Commissioning Mon 30.11.15 10 dys
- 4.10.8 - Mon 14.12.15 1 dy?
- 4.11.1 XTD10 (SASE3) for (SQS/SCS) Mon 02.04.12 1031 dys?
- 4.11.1 initial survey (WP32) Mon 02.04.12 13 dys
- 4.11.1.1 mounting of reference marks Mon 02.04.12 2 dys
- 4.11.1.2 1st passage Wed 04.04.12 7 dys
- 4.11.1.3 2nd passage Fri 13.04.12 4 dys
- 4.11.2 (I) Infrastructure Installation (WP34) Mon 03.03.14 300 dys?
- 4.11.2.1 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
- 4.11.2.2 "(duration as in "excel-list")" Mon 03.03.14 15 mons
- 4.11.2.3 High Power Supplies Mon 03.03.14 1 dy?
- 4.11.2.4 Water Cooling and Compressed Air Mon 03.03.14 140 dys
- 4.11.2.5 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
- 4.11.2.6 Process Control and Instrumentation Mon 03.03.14 100 dys
- 4.11.2.7 Protections and Safety Systems Mon 03.03.14 50 dys
- 4.11.2.8 (I) IS for IT Systems XTD10) Mon 03.03.14 30 dys
4.11.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
4.11.4 DAO Installation (SASE3) - (see below) Mon 14.04.14 120 dys
- 4.11.5 (I) PBL sase3 Inst. WP-73 Mon 02.03.15 52 wks
- 4.11.6 PB diag sase3 Mon 27.04.15 60 dys?
- 4.11.7 (I) Tests & Commissioning Mon 29.02.16 10 dys
- 4.11.8 - Mon 14.03.16 1 dy?
- 5. Experiments Section Fri 21.06.13 877 dys?
- 5.1 Experimental Hall XHEXP1 Fri 21.06.13 877 dys?

+ 4.10.2 XTD9 Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
4.10.2.1 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
+ 4.10.2.2 "(duration as is "excel-list")" Mon 03.03.14 130 dys
+ 4.10.2.3 Cable Trays XTD9 Mon 03.03.14 30 dys
+ 4.10.2.4 Power Supplies & High Power Supplies Mon 03.03.14 1 dy?
+ 4.10.2.5 Water Cooling and Compressed Air Mon 03.03.14 140 dys
+ 4.10.2.6 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
+ 4.10.2.7 Process Control and Instrumentation Mon 03.03.14 100 dys
+ 4.10.2.8 Protections and Safety Systems Mon 03.03.14 50 dys
4.10.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
+ 4.10.4 DAO Installation (SASE1) - (see below) Mon 14.04.14 120 dys
+ 4.10.5 PBL SASE1 Installation (XTD9) (WP-73) Mon 29.09.14 39 wks
+ 4.10.6 PB diagnostics SASE1 (XTD9) (WP-74) Mon 15.09.14 60 dys?
+ 4.10.7 tests & Commissioning Mon 29.06.15 10 dys
+ 4.10.8 - Mon 13.07.15 1 dy?
+ 4.11 (I) XTD10 (SASE3) for (SQS/SCS) Tue 18.09.12 800 dys?
+ 4.11.1 initial survey (WP32) Tue 18.09.12 100 dys
+ 4.11.1.1 XTD10 reserved for survey Tue 18.09.12 100 dys
+ 4.11.1.2 installing reference grid XTD10 Tue 18.09.12 5 dys
+ 4.11.1.3 surveying & defining reference grid XTD10 Tue 25.09.12 10 dys
+ 4.11.1.4 staking out beamlines XTD10 Tue 09.10.12 15 dys
+ 4.11.2 (I) Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
+ 4.11.2.1 (+) (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
+ 4.11.2.2 (+) "(duration as in "excel-list")" Mon 03.03.14 130 dys
+ 4.11.2.3 Cable Trays XTD10 Mon 03.03.14 30 dys
+ 4.11.2.4 Power Supplies & High Power Supplies Mon 03.03.14 1 dy?
+ 4.11.2.5 (I) Water Cooling and Compressed Air Mon 03.03.14 140 dys
+ 4.11.2.6 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
+ 4.11.2.7 Process Control and Instrumentation Mon 03.03.14 100 dys
+ 4.11.2.8 Protections and Safety Systems Mon 03.03.14 50 dys
4.11.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
4.11.4 DAO Installation (SASE3) - (see below) Mon 14.04.14 120 dys
- 4.11.5 (I) PBL SASE3 Installation (XTD10) (WP-73) Mon 29.09.14 52 wks
- 4.11.6 PB diag sase3 Mon 15.09.14 60 dys?
- 4.11.7 (I) Tests & Commissioning Mon 28.09.15 10 dys
- 4.11.8 (I) - Mon 12.10.15 1 dy?
+ 4.12 Electron Path to XSDU1 (SASE2) Mon 03.06.13 655 dys
+ 4.12.1 (x) SASE2 Electron Beam Line Civil Construction completed Mon 03.06.13
+ 4.12.2 (x) SASE2 Electron Beam Line Infrastructure Installation completed Fri 29.05.15
+ 4.12.3 (x) SASE2 Electron Beam Line Machine Installation Complete Fri 16.10.15
+ 4.12.4 (x) SASE2 Electron Beam Line closed Fri 04.12.15
+ 4.13 Electron Path to XSDU2 (SASE1&3) Fri 30.11.12 696 dys
+ 4.13.1 (x) SASE1/3 Electron Beam Line Civil Construction completed Fri 30.11.12

4.13.2 (x)	SASE1/3 Electron Beam Line Infrastructure Installation completed	Fri 12.09.14
4.13.3 (x)	SASE1/3 Electron Beam Line Machine Installation Complete	Fri 13.02.15
4.13.4 (x)	SASE1/3 Electron Beam Line closed	Fri 31.07.15
4.14	SASE1 Photons in XHEXP1	Mon 22.08.11 1269 dys?
4.14.1 (x)	SASE1 Photon Beam Line Civil Construction Completed	Fri 30.11.12
4.14.2	SASE1 Photon Beam Line Infrastructure Installation completed	Mon 22.08.11 1 dy?
4.14.3	SASE1 Photon Beam Line Installation completed	Mon 22.08.11 1 dy?
4.14.4	SASE1 Photon Beam Line closed	Mon 22.08.11 1 dy?
4.14.5 (ix)	First SASE1 Photons in XHEXP1	Fri 01.07.16
4.15	SASE2 Photons in XHEXP1	Mon 22.08.11 1269 dys?
4.15.1 (x)	SASE2 Photon Beam Line Civil Construction Completed	Mon 03.06.13
4.15.2	SASE2 Photon Beam Line Infrastructure Installation completed	Mon 22.08.11 1 dy?
4.15.3	SASE2 Photon Beam Line Installation completed	Mon 22.08.11 1 dy?
4.15.4	SASE2 Photon Beam Line closed	Mon 22.08.11 1 dy?
4.15.5 (ix)	First SASE2 Photons in XHEXP1	Fri 01.07.16
4.16	SASE3 Photons in XHEXP1	Mon 22.08.11 1269 dys?
4.16.1 (x)	SASE3 Photon Beam Line Civil Construction Completed	Fri 30.11.12
4.16.2	SASE3 Photon Beam Line Infrastructure Installation completed	Mon 22.08.11 1 dy?
4.16.3	SASE3 Photon Beam Line Installation completed	Mon 22.08.11 1 dy?
4.16.4	SASE3 Photon Beam Line closed	Mon 22.08.11 1 dy?
4.16.5 (ix)	First SASE3 Photons in XHEXP1	Fri 01.07.16
5 (*)	Experiments Section	Fri 21.06.13 877 dys
5.1 (*)	Experimental Hall XHEXP1	Fri 21.06.13 877 dys
5.1.1	Initial survey (WP32)	Fri 21.06.13 30 dys
5.1.2	(I) Infrastructure Installation underground	Tue 01.04.14 140 dys?
5.1.2.1	"(duration as is" "excelist")"	Tue 01.04.14 5 mons
5.1.2.2	High Power Supplies	Tue 01.04.14 1 dy?
5.1.2.3	Water Cooling and Compressed Air	Tue 01.04.14 140 dys
5.1.2.4	Heating Ventilation and Air Conditioning	Tue 01.04.14 70 dys
5.1.2.5	Process Control and Instrumentation	Tue 01.04.14 100 dys
5.1.2.6	Protections and Safety Systems	Tue 01.04.14 50 dys
5.1.2.7 (I)	IT Systems	Tue 01.04.14 30 dys
5.1.3 (I)	Infrastructure on Gallery (IT-relevant)	Tue 01.04.14 30 dys
5.1.4	Hutch Infrastructure	Tue 27.05.14 300 dys
5.1.4.1	SASE 1 (hutch)	Tue 27.05.14 100 dys
5.1.4.2	SASE 2 (hutch)	Tue 14.10.14 100 dys
5.1.4.3	SASE 3 (hutch)	Tue 03.03.15 100 dys
5.1.5	Laser System	Tue 01.04.14 675 dys
5.1.5.1	SASE1	Tue 01.04.14 480 dys
5.1.5.1.1	PP-Laser hutch installation	Tue 01.04.14 12 mons
5.1.5.1.2	PP-Laser installation	Tue 03.03.15 12 mons
5.1.5.2	SASE2	Mon 30.06.14 61 dys
5.1.5.2.1	TW-Laser hutch installation	Mon 30.06.14 12 mons

-5.1.5.2.2	TW-Laser installation	Mon 01.06.15 6 mons
-5.1.5.2.3	PP-Laser hutch installation	Tue 30.12.14 12 mons
-5.1.5.2.4	PP-Laser installation	Tue 01.12.15 12 mons
-5.1.5.3	SASE3 Tue 30.12.14 480 dys	
-5.1.5.3.1	PP-Laser hutch installation	Tue 30.12.14 12 mons
-5.1.5.3.2	PP-Laser installation	Tue 01.12.15 12 mons
-5.2 (U)	DAQ installation	Tue 13.05.14 634 dys
-5.2.1 (U)	installation SASE1 minimal system	Tue 13.05.14 6 mons
-5.2.2 (U)	installation SASE1 preoperational system	Tue 28.10.14 6 mons
-5.2.3 (U)	installation SASE1 operational system	Tue 29.09.15 6 mons
-5.2.4 (U)	installation SASE2 minimal system	Mon 15.12.14 6 mons
-5.2.5 (U)	installation SASE2 preoperational system	Mon 01.06.15 6 mons
-5.2.6 (U)	installation SASE2 operational system	Mon 02.05.16 6 mons
-5.2.7 (U)	installation SASE3 minimal system	Tue 13.05.14 6 mons
-5.2.8 (U)	installation SASE3 preoperational system	Tue 28.10.14 6 mons
-5.2.9 (U)	installation SASE3 operational system	Tue 24.11.15 6 mons
-5.3 Instruments	Tue 14.10.14 300 dys	
-5.3.1 MID (SASE2)	Tue 03.03.15 100 dys	
-5.3.2 HED (SASE2)	Tue 03.03.15 100 dys	
-5.3.3 SPB (SASE1)	Tue 14.10.14 100 dys	
-5.3.4 FXE (SASE1)	Tue 14.10.14 100 dys	
-5.3.5 SOS (SASE3)	Tue 21.07.15 100 dys	
-5.3.6 SCS (SASE3)	Tue 21.07.15 100 dys	
-6 (*)	Outgoing	Mon 22.08.11 1419 dys?

6.1 (x)	(Toplevel-1) Injector tunnel closed + ready for beam	Thu 01.05.14
6.2 (x)	(Toplevel-2) First beam to Injector Dump	Thu 15.05.14
-6.3 (ix)	(Toplevel-3) XIL (Linac tunnel) closed for cool down	Wed 23.11.15
-6.4 (ix)	XFEL Accelerator ready for beam operation	Wed 06.01.16
-6.5 (ix)	(Toplevel-4) SASE1 Instruments ready for beam	Mon 14.03.16
-6.6 (ix)	(Toplevel-5) First beam to Main Dump (XS1)	Wed 09.03.16
-6.7 (x)	XFEL Accelerator electron beam with nominal parameters achieved	Wed 09.03.16
-6.8 (ix)	(Toplevel-7) First e-beam to XSDU2	Wed 06.01.16
-6.9 (ix)	(Toplevel-8) First Lasing SASE1	Possible Wed 23.03.16
-6.10 (+x)	(Toplevel-10) First e-beam to XSDU1	Wed 06.01.16
-6.11 (x)	XFEL Accelerator photon/SASE beam with nominal parameters achieved	Wed 23.03.16
-6.12	Electron Beamline Milestones	Mon 22.08.11 1 dy?
-6.12.1	Electron Path to XSDU1 (SASE2)	Mon 22.08.11 1 dy?
-6.12.1.1	SASE2 Electron Beam Line Civil Construction completed	Mon 22.08.11 1 dy?

+5.1.6.1	SASE1	Mon 03.03.14 480 dys
+5.1.6.1.1	PP-Laser hutch installation	Mon 03.03.14 12 mons
+5.1.6.1.2	PP-Laser installation	Mon 02.02.15 12 mons
+5.1.6.2 (*)	SASE2	Mon 30.06.14 611 dys
+5.1.6.2.1	TW-Laser hutch installation	Mon 30.06.14 12 mons
+5.1.6.2.2	TW-Laser installation	Mon 01.06.15 6 mons
+5.1.6.2.3 (+)	PP-Laser hutch installation	Tue 30.12.14 12 mons
+5.1.6.2.4 (+)	PP-Laser installation	Tue 01.12.15 12 mons
+5.1.6.3 (*)	SASE3 Tue 30.12.14 480 dys	
+5.1.6.3.1 (+)	PP-Laser hutch installation	Tue 30.12.14 12 mons
+5.1.6.3.2 (+)	PP-Laser installation	Tue 01.12.15 12 mons
+5.2 DAQ	installation	Mon 14.04.14 475 dys
+5.2.1	installation SASE1 minimal system	Mon 14.04.14 120 dys
+5.2.2	installation SASE1 preoperational system	Mon 29.09.14 6 mons
+5.2.3	installation SASE1 operational system	Mon 16.03.15 3 mons
+5.2.4 (+)	installation SASE2 minimal system	Mon 15.12.14 6 mons
+5.2.5 (+)	installation SASE2 preoperational system	Mon 01.06.15 6 mons
+5.2.6 (+)	installation SASE2 operational system	Mon 16.11.15 3 mons
+5.2.7	installation SASE3 minimal system	Mon 14.04.14 6 mons
+5.2.8	installation SASE3 preoperational system	Mon 29.09.14 6 mons
+5.2.9	installation SASE3 operational system	Mon 16.03.15 3 mons
+5.3 Instruments	Mon 29.09.14 300 dys	
+5.3.1 MID (SASE2)	Mon 16.02.15 100 dys	
+5.3.2 HED (SASE2)	Mon 16.02.15 100 dys	
+5.3.3 SPB (SASE1)	Mon 29.09.14 100 dys	
+5.3.4 FXE (SASE1)	Mon 29.09.14 100 dys	
+5.3.5 SOS (SASE3)	Mon 06.07.15 100 dys	
+5.3.6 SCS (SASE3)	Mon 06.07.15 100 dys	
+6	Outgoing	Mon 22.08.11 1270 dys?

6.1 (x)	(Toplevel-1) Injector tunnel closed + ready for beam	Thu 01.05.14
6.2 (x)	(Toplevel-2) First beam to Injector Dump	Thu 15.05.14
-6.3 (ix)	(Toplevel-3) Linac tunnel (XIL) closed	Fri 11.12.15
+6.4 (ix)	(Toplevel-4) SASE1 Instruments ready for beam	Fri 05.06.15
+6.5 (ix)	(Toplevel-5) First beam to XS1 Dump (main diump)	Fri 01.07.16
+6.6 (ix)	(Toplevel-6) XTD2, XTD4, XTD9, XTD10 closed	Mon 12.10.15
+6.7 (ix)	(Toplevel-7) First e-beam to XSDU2	Fri 01.07.16
+6.8 (ix)	(Toplevel-8) First Lasing SASE1	possible Fri 01.07.16
+6.9 (+x)	(Toplevel-9) XTD1, XTD3, XTD5, XTD6, XTD7, XTD8	closed Mon 28.12.15
+6.10 (ix)	(Toplevel-10) First e-beam to XSDU1	Fri 01.07.16
+6.11 (x)	(Toplevel-11) SASE3 Instruments ready for beam	Fri 20.11.15
+6.12 (ix)	(Toplevel-12) First Lasing SASE3	possible Fri 01.07.16
+6.13 (U)	(Toplevel-13) Start Operation	Fri 01.07.16 1 dy?
+6.14 (ix)	(Toplevel-14) SASE1 Instruments users operation	Fri 01.07.16

-6.12.1.2 SASE2 Electron Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?	+6.15 (x) (T opl evel-15) SASE2 Instruments ready for beam Fri 05.02.16
-6.12.1.3 SASE2 Electron Beam Line Machine Installation Complete Mon 22.08.11 1 dy?	+6.16 (ix) (T opl evel-16) First Lasting SASE2 possible Fri 01.07.16
-6.12.1.4 SASE2 Electron Beam Line closed Mon 22.08.11 1 dy?	+6.17 (ix) (T opl evel-17) SASE3 Instruments user operation Fri 01.07.16
-6.1.2 Electron Path to XSDU2 (SASE1&3) Mon 22.08.11 1 dy?	+6.18 (+x) (T opl evel-18) SASE2 Instruments user operation Fri 01.07.16
-6.12.2.1 SASE1/3 Electron Beam Line Civil Construction completed Mon 22.08.11 1 dy?	+6.19 (T opl evel-19) Extended beam delivery Mon 22.08.11 1 dy?
-6.12.2.2 SASE1/3 Electron Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?	+6.20 (x) XFEL Accelerator ready for beam operation Mon 25.01.16
-6.12.2.3 SASE1/3 Electron Beam Line Machine Installation Complete Mon 22.08.11 1 dy?	+6.21 (x) XFEL Accelerator electron beam with nominal parameters achieved Fri 01.07.16
-6.12.2.4 SASE1/3 Electron Beam Line closed Mon 22.08.11 1 dy?	+6.22 (ix) XFEL Accelerator photons/SASE beam with nominal parameters achieved Fri 01.07.16
-6.13 Photon Beamline Milestones Mon 22.08.11 138 dys?	+6.23 dummy for critical path Mon 22.08.11 150 dys
-6.13.1 SASE1 Photons in XHEXP1 Mon 22.08.11 138 dys?	+
-6.13.1.1 SASE1 Photon Beam Line Civil Construction Completed Wed 29.02.12 1 dy?	+
-6.13.1.2 SASE1 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?	+
-6.13.1.3 SASE1 Photon Beam Line Installation completed Mon 22.08.11 1 dy?	+
-6.13.1.4 SASE1 Photon Beam Line closed Mon 22.08.11 1 dy?	+
-6.13.2 SASE2 Photons in XHEXP1 Mon 22.08.11 1 dy?	+
-6.13.2.1 SASE2 Photon Beam Line Civil Construction Completed Mon 22.08.11 1 dy?	+
-6.13.2.2 SASE2 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?	+
-6.13.2.3 SASE2 Photon Beam Line Installation completed Mon 22.08.11 1 dy?	+
-6.13.2.4 SASE2 Photon Beam Line closed Mon 22.08.11 1 dy?	+
-6.13.3 SASE3 Photons in XHEXP1 Mon 22.08.11 1 dy?	+
-6.13.3.1 SASE3 Photon Beam Line Civil Construction Completed Mon 22.08.11 1 dy?	+
-6.13.3.2 SASE3 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?	+
-6.13.3.3 SASE3 Photon Beam Line Installation completed Mon 22.08.11 1 dy?	+
-6.13.3.4 SASE3 Photon Beam Line closed Mon 22.08.11 1 dy?	+
-6.14 Instrument Milestones Fri 21.06.13 642 dys	+
-6.14.1 Experimental Hall ready Fri 21.06.13 342 dys	+
-6.14.1.1 (x) XHEXP1 Civil Construction completed Fri 21.06.13	+
-6.14.1.2 (x) XHEXP1 Infrastructure Installation completed Mon 13.10.14	+
-6.14.2 SASE1 Instruments ready for beam Fri 07.02.14 276 dys	+
-6.14.2.1 (x) SASE1 Infrastructure Installation complete Fri 07.02.14	+
-6.14.2.2 (x) SASE1 Instruments Installed Mon 02.03.15	+
-6.14.3 SASE2 Instruments ready for beam Thu 12.03.15 92 dys	+
-6.14.3.1 (x) SASE2 Infrastructure Installation complete Thu 12.03.15	+
-6.14.3.2 (x) SASE2 Instruments Installed Mon 20.07.15	+
-6.14.4 SASE3 Instruments ready for beam Fri 27.02.15 201 dys	+
-6.14.4.1 (x) SASE3 Infrastructure Installation complete Fri 27.02.15	+
-6.14.4.2 (x) SASE3 Instruments Installed Mon 07.12.15	+
-6.15 (x) First SASE1 Photons in XHEXP1 Wed 06.01.16	+
-6.16 (x) First SASE2 Photons in XHEXP1 Wed 06.01.16	+
-6.17 (ix) First SASE3 Photons in XHEXP1 Fri 11.03.16	+
-6.18 (x) (T opl evel-15) SASE2 Instruments ready for beam Fri 14.10.16	+
-6.19 (ix) (T opl evel-11) SASE3 Instruments ready for beam Mon 09.05.16	+

- 6.20 (+x) (T op level 14) SASE1 Instruments ready for user operation Mon 14.03.16	+	
- 6.21 (X) (T op level 18) SASE2 Instruments ready for user operation Fri 14.10.16	+	
- 6.22 (X) (T op level 17) SASE3 Instruments ready for user operation Mon 09.05.16	+	
- 6.23 (T op level 16) First Lasting SASE2 Possible Wed 06.01.16 1 dy?	+	
- 6.24 (I) (Top level 12) First Lasting SASE3 Possible Mon 14.03.16 1 dy?	+	
- 6.25 (X) End of Construction Mon 15.02.16	+	
- 6.26 (*) XHE1 ready for User Operation Fri 01.07.16	+	
- 6.27 (*) dummy for critical path Fri 01.07.16 1.50 d/s	+	

Current revision

/* plans/PIT-2012-08-13.csv read, 958 lines */0 (*). Mon 22.08.11 1356 d/s? (laeutf) 1 Incoming Mon 22.08.11 1269 d/s? 1.1 Buildings Mon 22.08.11 790 d/s? 1.1.1 (*)e XSIN RfI Thu 26.07.12 (erledigt) 1.1.2 (*)e XTL RfI from XSE Mon 27.02.12 (erledigt) 1.1.3 (x) XTL acces from XSI is possible Tue 18.09.12 1.1.4 (x) XHEE RfI Thu 30.08.12 1.1.5 (*)e XTIN RfI Mon 30.07.12 (erledigt) 1.1.6 (*)e XSE RfI Fri 27.07.12 (erledigt) 1.1.7 (x) Stahlbodenplatten fuer XTL rfi Mon 07.01.13 1.1.8 (x) XHEI rfi Thu 11.07.13 1.1.9 (x) XSI rfi Fri 30.11.12 1.1.10 (x) XHE2 Civil Construction completed Fri 03.01.14 1.1.11 (x) XS2 Civil Construction completed Mon 03.06.13 1.1.12 (x) XHE3 Civil Construction completed Fri 06.09.13 1.1.13 (x) XS3 Civil Construction completed Thu 11.10.12 1.1.14 (x) XHE4 Civil Construction completed Thu 14.11.13 1.1.15 (x) XS4 Civil Construction completed Mon 15.04.13 1.1.16 (x) XTID1 Civil Construction completed Mon 30.01.12 1.1.17 (x) full access via X-HEI-SI Thu 14.06.12 1.1.18 full access via X-HE2-S2 Mon 22.08.11 1 dy? 1.1.19 (x) XTID1 ready without any installation Mon 29.04.13 1.1.20 (x) XTID2 Civil Construction completed Wed 29.02.12 1.1.21 full access via X-HE1-S1 Mon 22.08.11 1 dy? 1.1.22 full access via X-HE3-S3 Mon 22.08.11 1 dy? 1.1.23 (x) XTID2 ready without any installation Tue 18.09.12 1.1.24 (x) XTID3 Civil Construction completed Mon 18.06.12 1.1.25 full access via X-HE2-S2 Mon 22.08.11 1 dy? 1.1.26 full access via X-HE4-S4 Mon 22.08.11 1 dy? 1.1.27 (x) XTID3 ready without any installation Mon 29.04.13 1.1.28 (x) XTID4 Civil Construction completed Mon 30.04.12 1.1.29 full access via X-HE3-S3 Mon 22.08.11 1 dy? 1.1.30 (x) XTID4 ready without any installation Tue 18.09.12 1.1.31 (x) XTID5 Civil Construction completed Mon 18.06.12 1.1.32 full access via X-HE4-S4 Mon 22.08.11 1 dy? 1.1.33 (x) XTID5 ready without any installation Mon 29.04.13 1.1.34 (x) XTID6 (MID/HED) Civil Construction completed Fri 09.11.12 1.1.35 full access via X-HE2-S2 Mon 22.08.11 1 dy? 1.1.36 (x) XTID6 ready without any installation Mon 29.04.13 1.1.37 (x) XTID7 () Civil Construction completed Mon 18.06.12 1.1.38 (x) XTID7 ready without any installation Mon 29.04.13 1.1.42 (x) XTID9 (SPB/FXE) Civil Construction completed Fri 30.03.12 1.1.43 full access via X-HE3-S3 Mon 22.08.11 1 dy? 1.1.44 (x) XTID9 ready without any installation Tue 18.09.12 1.1.45 (x) XTID10 (SQS/SCS) Civil Construction completed Mon 02.04.12 1.1.46 (x) XTID10 ready without any installation Tue 18.09.12 1.1.47 (x) XSDU1 Civil Construction completed Thu 01.11.12 1.1.48 (x) XSDU2 Civil Construction completed Mon 01.10.12 1.1.49 (x) XHEXP1 north Civil Baukran Los 5 verfuegbar Fri 09.03.12 (erledigt) 1.2.2 (*)e Baukran XSE verfuegbar (Los 3) Fri 02.03.12 (erledigt) 1.2.3 (*)e Lastenaufzug XSE einsatzbereit Mon 18.06.12 (erledigt) 1.2.4 (*)e Lastenaufzug XSIN einsatzbereit Wed 18.07.12 (erledigt) 1.2.5 (x) Zugangskontrollsystem rfi Thu 30.08.12 1.2.6 (x) Muellewupp einsatzbereit Mon 29.07.13 1.3 Dumps Tue 31.12.13 261 d/s 1.3.1 (x) Injektor DUMP rfi Tue 31.12.13 1.3.2 (x) MAIN DUMP rfi Wed 31.12.14 1.3.3 (x) BC1 DUMP rfi Tue 31.12.13 1.3.4 (x) BC2 DUMP rfi Tue 31.12.13 1.3.5 (x) XSDU1 DUMP rfi Wed 31.12.14 1.3.6 (x) XSDU2 DUMP rfi Wed 31.12.14 1.4 (I) Cryomodules Mon 22.08.11 915 d/s 1.4.1 (x) ACC1 rfi Mon 22.08.11 1.4.2 (x) Third Harmonic System Modules rfi Fri 07.03.14 1.4.3 (+x) Module group L1 rfi Mon 23.12.13 1.4.4 (x) Module group L2 rfi Tue 29.10.13 1.4.5 (x) Module group L3 CS7 rfi Fri 05.09.14 1.4.10 (x) Module group L3 CS8 rfi Fri 28.11.14 1.4.11 (x) Module group L3 CS5 rfi Fri 21.03.14 1.4.8 (x) Module group L3 CS6 rfi Fri 13.06.14 1.4.9 (x) Module group L3 CS7 rfi Fri 05.09.14 1.4.10 (x) Module group L3 CS8 rfi Fri 28.11.14 1.4.11 (x) Module group L3 CS9 rfi Fri 20.02.15 1.5 Infrastructure Installation (start data as in WP-34 proj-pl) Mon 01.07.13 350 d/s 1.5.1 (x) IS RfI in: XSI / XHE1 / XTID2 Mon 01.07.13 1.5.2 (x) IS RfI in: XS3 / XHE3 / XTID4,9,10 / XDU2 / XHEXP1 underground / XHQ Mon 03.03.14 1.5.3 (+x) IS RfI in: XTID1 Mon 01.09.14 1.5.4 (x) IS RfI in: XHE2 / XHE4 / XS2 / XS4 / XDU1 / XTID3, 5 bis 8 / XHEXP Nebengebäude Mon 03.11.14 1.5.5 (x) IS RfI in: XHEXP1 / XHAC / XHPSC Mon 02.06.14 1.6 Software releases Wed 26.03.14 592 d/s 1.6.1 (+x) LLRF Software beta version Fri 24.07.15 1.6.2 (x) LLRF Software full version Fri 01.07.16 1.6.3 (x) Control system ready for usage (injector) Wed 26.03.14 1.6.4 (x) control system ready for machine operation Mon 02.03.15 1.7 Rf system Thu 28.06.12 397 d/s 1.7.1 (x) 1st klystron rfi Mon 01.04.13 1.7.2 (x) 1st pulse transformer rfi Wed 26.09.12 1.7.3 (*)e Pulse Cables rfi Thu 28.06.12 (erledigt) 1.7.4 (+x) waveguides available (for first modules) Mon 30.09.13 1.7.5 (x) Master Oscillator running, Signals available Mon 06.01.14 1.8 Undulator Systems Wed 16.04.14 268 d/s 1.8.1 (x) Floor Mounts SASE1, SASE2, SASE3 RfI Wed 16.04.14 1.8.2 (x) Intersection Units SASE1 RfI Mon 23.06.14 1.8.3 (x) Control Racks with Cabling SASE1 RfI Mon 01.09.14 1.8.4 (x) Vacuum System SASE1 RfI Mon 01.09.14 1.8.5 (x) Intersection Units SASE2 RfI Mon 01.09.14 1.8.6 (x) Control Racks with Cabling SASE2 RfI Mon 10.11.14 1.8.7 (x) Vacuum System SASE2 RfI Mon 10.11.14 1.8.8 (x) Intersection Units SASE3 RfI Mon 22.12.14 1.8.9 (x) Control Racks with Cabling SASE3 RfI Mon 02.03.15 1.8.10 (x) Vacuum System SASE3 RfI Mon 02.03.15 1.8.11 (x) first Undulator for SASE1 RfI Thu 25.12.14 1.8.12 (x) last Undulator for SASE1 & SASE2 RfI Tue 20.01.15 1.8.13 (x) first Undulator for SASE3 RfI Mon 30.03.15 1.8.14 (x) last Undulator for SASE3 RfI Mon 27.04.15 1.9 (I) Cryo System Mon 17.06.13 165 d/s 1.9.1 (x) Injector Feed Cap RfI Fri 15.11.13 1.9.2 (x) Injector Transfer Line RfI Fri 27.12.13 1.9.3 (x) Valve Box RfI Tue 01.10.13 1.9.4 (x) Linac Transfer Line RfI Mon 17.06.13 1.9.5 (x) XSE Schaft transferline rfi Mon 04.11.13 1.9.6 (x) Feedcap 1 rfi Mon 02.09.13 1.9.7 (x) Endcap 1 rfi Mon 02.09.13 1.9.8 (+x) Feedcap 2 rfi Mon 02.09.13 1.9.9 (+x) Endcap 2 rfi Mon 02.12.13 1.9.14 (x) Cryo Bypass BC1 Feedcap 3 rfi Mon 02.09.13 1.9.11 (x) String-Connection-Box 1 rfi Mon 02.12.13 1.9.12 (x) Endcap 3 rfi Mon 30.12.13 1.9.13 (x) Cryo-Bypass BC2 rfi Mon 02.12.13 1.9.14 (x) Cryo Bypass BC1 rfi Mon 03.02.14 1.10 (x) Laser Heater RfI Thu 02.01.14 1.11 (x) Personnel Interlock RfI Mon 13.08.12 1.12 (x) Gun 1 RfI Mon 13.08.12 1.13 (x) TDS INJ RfI Mon 03.06.13 1.14 Warm Beamline components Mon 07.01.13 410 d/s 1.14.1 (x) Dogleg Girders rfi Mon 27.01.14 1.14.2 (x) BC1 Girders rfi Wed 01.01.14 1.14.3 (x) BC2 Girders rfi Mon 03.02.14 1.14.4 (x) Magnet charge 1 rfi (14xB) Mon 04.02.13 1.14.5 (x) Magnet charge 2 rfi (60xO), 44xC), 33xCC, 16xSC, 20xB), 34xOD, 1xQE, 5xCF, 4xQF, 2xBG) Mon 03.06.13 1.14.6 (x) Magnet charge 3 rfi (21xOK) Mon 02.06.14 1.14.7 (x) Magnet charge 4 rfi (BD,BV,BZ,CF,CN,QF,OK,CE,QA,QF) Mon 07.04.14 1.14.8 (x) Magnet charge 5 rfi (CE,QE,BE,BL,CF,CH,CN,QF,QH,OK,SA) Mon 04.08.14 1.14.9 (x) Magnet charge 6