

PIT

From LLRFWiki

(Difference between revisions)

Revision as of 09:35, 22 October 2012 (edit)
127.0.1.1 (Talk)
← Previous diff

Line 1:

-	/* plans/PIT-2012-10-22.csv read, 1002 lines */
0	(*) Mon 22.08.11 1356 dys? (laeft)
1	Incoming Mon 22.08.11 1269 dys?
-	1.1 Buildings Mon 22.08.11 790 dys?
1	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 XS1 is possible Mon 10.12.12
-	1.1.4 (x) XHEE RfI Wed 24.10.12
-	1.1.5 (*)e XIIN 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 04.03.13
-	1.1.8 (x) XHE1 rfi Thu 11.07.13
-	1.1.9 (x) XS1 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) XTD1 Civil Construction completed Mon 30.01.12
-	1.1.17 (x) limited access XTD1 via XS1 Wed 02.01.13
-	1.1.18 (x) full access via XHE1-S1 Thu 14.06.12

Line 1:

+	/* plans/PIT-2012-11-05.csv read, 1026 lines */
0	(*) Mon 22.08.11 1356 dys? (laeft)
1	Incoming Mon 22.08.11 1269 dys?
+	1.1 Buildings Mon 27.02.12 655 dys
1	1.1.1 (*)e XSIN RfI Thu 26.07.12 (erledigt)
+	1.1.2 (*)e XIIN RfI Mon 30.07.12 (erledigt)
+	1.1.3 XTL Mon 27.02.12 265 dys
+	1.1.3.1 (*)e XTL RfI from XSE Mon 27.02.12 (erledigt)
+	1.1.3.2 (x) XTL acces from XS1 is possible Mon 04.03.13
+	1.1.3.3 (x) XTD1,2 access from XTL is possible Mon 10.12.12
+	1.1.4 X-S-HE-E Fri 27.07.12 63 dys
+	1.1.4.1 (x) XHEE RfI Wed 24.10.12
+	1.1.4.2 (*)e XSE RfI Fri 27.07.12 (erledigt)
+	1.1.5 X-S-HE-1 (N) Mon 12.11.12 173 dys
+	1.1.5.1 (x) XHE1 rfi Thu 11.07.13
+	1.1.5.2 (x) XS1 (N) handover Mon 12.11.12
+	1.1.6 X-S-HE-2 (S) Fri 21.06.13 140 dys
+	1.1.6.1 (x) XHE2 Civil Construction completed Fri 03.01.14
+	1.1.6.2 (x) XS2 (S) handover Fri 21.06.13
+	1.1.7 X-S-HE-3 (N) Mon 12.11.12 214 dys
+	1.1.7.1 (x) XHE3 Civil Construction completed Fri 06.09.13
+	1.1.7.2 (x) XS3 (N) handover Mon 12.11.12

- 1.1.19 full access via X-HE2-S2 Mon 22.08.11 1 dy?	+ 1.1.8 X-S-HE-4 (S) Fri 21.06.13 104 dys
- 1.1.20 (x) XTD1 ready without any installation Mon 29.04.13	+ 1.1.8.1 (x) XHE4 Civil Construction completed Thu 14.11.13
- 1.1.21 (x) XTD2 Civil Construction completed Wed 29.02.12	+ 1.1.8.2 (x) XS4 (S) handover Fri 21.06.13
- 1.1.22 (x) limited access XTD2 via XS1 Wed 02.01.13	+ 1.1.9 XTD1 (S) sa2-undu Wed 02.01.13 122 dys
- 1.1.23 full access via X-HE1-S1 Mon 22.08.11 1 dy?	+ 1.1.9.1 (x) ? limited access XTD1 via XS1 Wed 02.01.13
- 1.1.24 full access via X-HE3-S3 Mon 22.08.11 1 dy?	+ 1.1.9.2 (x) XTD1 (S) handover Fri 21.06.13
- 1.1.25 (x) XTD2 ready without any installation Tue 18.09.12	+ 1.1.10 XTD2 (N) sa1-undu Mon 12.11.12 37 dys
- 1.1.26 (x) XTD3 Civil Construction completed Mon 18.06.12	+ 1.1.10.1 (x) ? limited access XTD2 via XS1 Wed 02.01.13
- 1.1.27 full access via X-HE2-S2 Mon 22.08.11 1 dy?	+ 1.1.10.2 (x) XTD2 (N) handover Mon 12.11.12
- 1.1.28 full access via X-HE4-S4 Mon 22.08.11 1 dy?	+ 1.1.11 (x) XTD3 (S) Fri 21.06.13
- 1.1.29 (x) XTD3 ready without any installation Mon 29.04.13	+ 1.1.11.1 (x) XTD3 (S) handover Fri 21.06.13
- 1.1.30 (x) XTD4 Civil Construction completed Mon 30.04.12	+ 1.1.12 (x) XTD4 (N) sa3-undu Mon 12.11.12
- 1.1.31 full access via X-HE3-S3 Mon 22.08.11 1 dy?	+ 1.1.12.1 (x) XDT4 (N) handover Mon 12.11.12
- 1.1.32 (x) XTD4 ready without any installation Tue 18.09.12	+ 1.1.13 (x) XTD5 (S) Fri 21.06.13
- 1.1.33 (x) XTD5 Civil Construction completed Mon 18.06.12	+ 1.1.13.1 (x) XTD5 (S) handover Fri 21.06.13
- 1.1.34 full access via X-HE4-S4 Mon 22.08.11 1 dy?	+ 1.1.14 (x) XTD6 (S) (MID/HED) Fri 21.06.13
- 1.1.35 (x) XTD5 ready without any installation Mon 29.04.13	+ 1.1.14.1 (x) XTD6 (S) handover Fri 21.06.13
- 1.1.36 (x) XTD6 (MID/HED) Civil Construction completed Fri 09.11.12	+ 1.1.15 (x) XTD7 (S) Fri 21.06.13
- 1.1.37 full access via X-HE2-S2 Mon 22.08.11 1 dy?	+ 1.1.15.1 (x) XTD7 (S) handover Fri 21.06.13
- 1.1.38 (x) XTD6 ready without any installation Mon 29.04.13	+ 1.1.16 (x) XTD8 (S) Fri 21.06.13
- 1.1.39 (x) XTD7 () Civil Construction completed Mon 18.06.12	+ 1.1.16.1 (x) XTD8 (S) handover Fri 21.06.13
- 1.1.40 (x) XTD7 ready without any installation Mon 29.04.13	+ 1.1.17 (x) XTD9 (N) (SPB/FXE) Mon 12.11.12
- 1.1.41 (x) XTD8 () Civil Construction completed Thu 01.03.12	+ 1.1.17.1 (x) XTD9 (N) handover Mon 12.11.12
- 1.1.42 full access via X-HE4-S4 Mon 22.08.11 1 dy?	+ 1.1.18 (x) XTD10 (N) (SQS/SCS) Mon 12.11.12
- 1.1.43 (x) XTD8 ready without any installation Mon 29.04.13	+ 1.1.18.1 (x) XTD10 (N) handover Mon 12.11.12
- 1.1.44 (x) XTD9 (SPB/FXE) Civil Construction completed Fri 30.03.12	+ 1.1.19 (x) XSDU1 (S) du(saz) Fri 21.06.13
- 1.1.45 full access via X-HE3-S3 Mon 22.08.11 1 dy?	+ 1.1.19.1 (x) XSDU1 (S) handover Fri 21.06.13
- 1.1.46 (x) XTD9 ready without any installation Tue 18.09.12	+ 1.1.20 (x) XSDU2 (N) du(saz) Mon 12.11.12
- 1.1.47 (x) XTD10 (SQS/SCS) Civil Construction completed Mon 02.04.12	+ 1.1.20.1 (x) XSDU2 (N) handover Mon 12.11.12
- 1.1.48 (x) XTD10 ready without any installation Tue 18.09.12	+ 1.1.21 XHEXP1 Mon 12.11.12 159 dys
- 1.1.49 (x) XSDU1 Civil Construction completed Thu 01.11.12	+ 1.1.21.1 (x) XHEXP1 (North) Civil Construction completed Mon 19.11.12
- 1.1.50 (x) XSDU2 Civil Construction completed Mon 01.10.12	+ 1.1.21.2 (x) XHEXP1 (North) handover Mon 12.11.12

- 1.1.51 (x) XHEXP1 north Civil Construction completed Mon 19.11.12
- 1.1.52 (x) XHEXP1 rest Civil Construction completed Fri 21.06.13
- 1.1.53 (x) XHQ rfi Mon 01.09.14

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

Line 82:

1.4.10 (ix) Module group L3 CS8 rfi Fri 03.04.15
1.4.11 (ix) Module group L3 CS9 rfi Fri 26.06.15
- 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: XS1 / 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 / XHVAC / 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

Line 128:

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 dys
- 1.14.1 (x) Dogleg Girders rfi Mon 27.01.14
- 1.14.2 (x) BC1 Girders rfi Mon 10.02.14
- 1.14.3 (x) BC2 Girders rfi Fri 17.01.14
- 1.14.4 (x) Magnet charge 1 rfi (14xBB) Mon 04.02.13
- 1.14.5 (x) Magnet charge 2 rfi (60xQ1, 44xG1, 33xCC, 16xSC, 20xBL, 34xQD, 1xQE, 5xCF, 4xQF, 2xBBG) Mon 03.06.13

+ 1.1.21.3 (x) XHEXP1 rest Civil Construction completed Fri 21.06.13
+ 1.1.21.4 (x) XHEXP1 (South) rest handover Fri 21.06.13
+ 1.1.22 (x) XHQ rfi Mon 01.09.14

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

Line 82:

1.4.10 (ix) Module group L3 CS8 rfi Fri 03.04.15
1.4.11 (ix) Module group L3 CS9 rfi Fri 26.06.15
+ 1.5 Infrastructure Installation (start data as in WP34 proj-pl) Mon 01.07.13 457 dys
+ 1.5.1 (x) IS RFI in: XS1 / XHE1 / XTD2 (TGA-5.2) Mon 01.07.13
+ 1.5.2 (+x) IS RFI in: XS3 / XHE3 / XTD4,9,10 / XDU2 (TGA5.2) Mon 03.03.14
+ 1.5.3 (+x) IS RFI in: XTD1 (TGA-6) Mon 01.12.14
+ 1.5.4 (x) IS RFI in: XTD3 (TGA-6) Wed 01.04.15
+ 1.5.5 (ix) IS RFI in: XHE2 / XHE4 / XS2 / XS4 / XDU1 / XTD 5 bis 8 (TGA-6) Wed 01.04.15
+ 1.5.6 (ix) IS RFI in: XHEXP1 / XHVAC / XHPSC (TGA-7) Mon 03.03.14

- 1.6 Software releases Wed 26.03.14 592 dys
- 1.6.1 (+x) LLRF Software beta version Fri 24.07.15

Line 129:

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 divers incoming MS for Injector Mon 13.08.12 363 dys
+ 1.10.1 (x) Laser Heater RFI Thu 02.01.14
+ 1.10.2 (x) Personnel Interlock RFI Mon 13.08.12
+ 1.10.3 (x) Gun 1 RFI Mon 13.08.12
+ 1.10.4 (x) TDS INJ RFI Mon 03.06.13
+ 1.11 (x) divers incoming MS for Linac Mon 08.04.13
+ 1.11.1 (x) Stahlbodenplatten fuer XTL rfi Mon 08.04.13
+ 1.12 Warm Beamline components Mon 07.01.13 410 dys
+ 1.12.1 (x) Dogleg Girders rfi Mon 27.01.14
+ 1.12.2 (x) BC1 Girders rfi Mon 10.02.14

- 1.14.6 (x) Magnet charge 3 rfi (21xQK) Mon 02.06.14	+ 1.12.3 (x) BC2 Girders rfi Fri 17.01.14
- 1.14.7 (x) Magnet charge 4 rfi (BD,BV,BZ,CF,CN,QF,QK,CE,QA,QF) Mon 07.04.14	+ 1.12.4 (x) Magnet charge 1 rfi (14xBB) Mon 04.02.13
- 1.14.8 (x) Magnet charge 5 rfi (CE,QE,BE,BL,CF,CH,CN,QF,QH,QK,SA) Mon 04.08.14	+ 1.12.5 (x) Magnet charge 2 rfi (60xQL, 44xGL, 33xCC, 16xSC, 20xBL, 34xQD, 1xQE, 5xCF, 4xQF, 2xBBG) Mon 03.06.13
- 1.14.9 (x) Magnet charge 6 rfi (SWEEP,SA,SK,Q,C,B) Mon 07.01.13	+ 1.12.6 (x) Magnet charge 3 rfi (21xQK) Mon 02.06.14
- 1.14.10 (x) Magnet charge 7 rfi (92xQA,6xQE, 6xCE) Mon 07.01.13	+ 1.12.7 (x) Magnet charge 4 rfi (BD,BV,BZ,CF,CN,QF,QK,CE,QA,QF) Mon 07.04.14
- 1.15 Electronics is available Mon 04.03.13 580 dys	+ 1.12.8 (x) Magnet charge 5 rfi (CE,QE,BE,BL,CF,CH,CN,QF,QH,QK,SA) Mon 04.08.14
- 1.15.1 (x) Electronic Racks rfi Injector UG4+5 Mon 04.03.13	+ 1.12.9 (x) Magnet charge 6 rfi (SWEEP,SA,SK,Q,C,B) Mon 07.01.13
- 1.15.2 (x) Electronic Racks rfi XTIN UG 7 Mon 01.04.13	+ 1.12.10 (x) Magnet charge 7 rfi (92xQA,6xQE, 6xCE) Mon 07.01.13
- 1.15.3 (x) Electronic Racks XT.L rfi Mon 01.07.13	+ 1.13 Electronics is available Mon 04.03.13 580 dys
- 1.15.4 (x) Electronic Racks XTD rfi Mon 07.10.13	+ 1.13.1 (x) Electronic Racks rfi Injector UG4+5 Mon 04.03.13
- 1.15.5 (x) Master Oscillator (preliminary GUN only version) rfi Mon 11.03.13	+ 1.13.2 (x) Electronic Racks rfi XTIN UG 7 Mon 01.04.13
- 1.15.6 (x) Master Oscillator (final version) rfi Mon 12.05.14	+ 1.13.3 (x) Electronic Racks XT.L rfi Mon 01.07.13
- 1.15.7 (x) Master Laser Oscillator + distribution rfi Wed 30.07.14	+ 1.13.4 (x) Electronic Racks XTD rfi Mon 07.10.13
- 1.15.8 (ix) Standard diagnostics (BPM, OTR, TOR, DCM) Mon 25.05.15	+ 1.13.5 (x) Master Oscillator (preliminary GUN only version) rfi Mon 11.03.13
- 1.15.9 (x) LLRF System (1st cryostrng) rfi Fri 13.12.13	+ 1.13.6 (x) Master Oscillator (final version) rfi Mon 12.05.14
- 1.15.10 (x) Intra Bunch Feedback Mon 23.02.15	+ 1.13.7 (ix) Master Laser Oscillator + distribution rfi Wed 30.07.14
- 1.15.11 (x) Timing System electronics rfi Mon 06.01.14	+ 1.13.8 (ix) Standard diagnostics (BPM, OTR, TOR, DCM) Mon 25.05.15
- 1.15.12 (x) Interlock system electronics rfi Mon 06.01.14	+ 1.13.9 (x) LLRF System (1st cryostrng) rfi Fri 13.12.13
- 1.16 Instrument available Tue 01.07.14 66 dys	+ 1.13.10 (x) Intra Bunch Feedback Mon 23.02.15
- 1.16.1 (x) SPB available Tue 01.07.14	+ 1.13.11 (x) Timing System electronics rfi Mon 06.01.14
- 1.16.2 (x) FXE available Tue 01.07.14	+ 1.13.12 (x) Interlock system electronics rfi Mon 06.01.14
- 1.16.3 (x) MID available Wed 01.10.14	+ 1.14 Instrument available Tue 01.07.14 66 dys
- 1.16.4 (x) HED available Wed 01.10.14	+ 1.14.1 (x) SPB available Tue 01.07.14
- 1.16.5 (x) SQS available Tue 01.07.14	+ 1.14.2 (x) FXE available Tue 01.07.14
- 1.16.6 (x) SCS available Wed 01.10.14	+ 1.14.3 (x) MID available Wed 01.10.14
- 1.17 Optical Laser Systems Mon 22.08.11 1137 dys?	+ 1.14.4 (x) HED available Wed 01.10.14
- 1.17.1 Synchronization Signal in ExpHall available Mon 22.08.11 1 dy?	+ 1.14.5 (x) SQS available Tue 01.07.14
- 1.17.2 timing signal (WP-18) for SASE1 in ExpHall available Mon 22.08.11 1 dy?	+ 1.14.6 (x) SCS available Wed 01.10.14
- 1.17.3 timing signal (WP-18) for SASE2 in ExpHall available Mon 22.08.11 1 dy?	+ 1.15 Optical Laser Systems Mon 22.08.11 1137 dys?
- 1.17.4 timing signal (WP-18) for SASE3 in ExpHall available Mon 22.08.11 1 dy?	+ 1.15.1 Synchronization Signal in ExpHall available Mon 22.08.11 1 dy?

-	1.17.5 (x) Laser PP hutch SASE1 rfi Mon 30.12.13
-	1.17.6 (*) Laser PP hutch SASE2 / SASE3 rfi Tue 30.12.14
-	1.17.7 (x) Laser TW hutch SASE2 rfi Mon 30.06.14
-	1.17.8 (x) Laser T able PP SASE1 rfi Tue 30.12.14
-	1.17.9 (x) Laser T able PP SASE / SASE3 rfi Wed 30.12.15
-	1.17.10 (x) Laser T able TW SASE2 rfi Mon 30.06.14
-	1.17.11 (x) PP1 System (at SASE1) rfi Tue 30.12.14
-	1.17.12 (x) PP Systems (at SASE2, SASE3) rfi Wed 30.12.15
-	1.17.13 (x) TW System (at SASE2) rfi Tue 31.03.15
-	1.18 DAQ Systems Thu 28.02.13 152 dys
-	1.18.1 (x) SASE1 DAQ & DM system rfi Thu 28.02.13
-	1.18.2 (x) SASE2 DAQ & DM system rfi Mon 30.09.13
-	1.18.3 (x) SASE3 DAQ & DM system rfi Fri 01.03.13

2. Injektor Section Mon 30.07.12 741 dys? (laeutf)
- 2.1. Infrastructure Installation Mon 30.07.12 215 dys (laeutf)
- 2.1.1. XCIN Mon 30.07.12 215 dys (laeutf)
- 2.1.1.1 Zugangskontrollsystem installieren Mon 01.10.12 2 wks
2.1.1.2 (+)e Gebäudeetagen trocknen Tue 31.07.12 2 wks (erledigt)
- 2.1.1.3. Restarbeiten ARGE, Estrich, Streichen UG6,7 Tue 31.07.12 3 wks (laeutf)
- 2.1.1.4. Allgemeine Stromversorgung Mon 30.07.12 180 dys (laeutf)
- 2.1.1.4.1 Pritschen, Uvs, Elektroinstallation XHEIN Mon 15.10.12 30 dys
- 2.1.1.4.2 XSIN1 Mon 27.08.12 94 dys
- 2.1.1.4.3 XSIN2 Mon 20.08.12 95 dys
- 2.1.1.4.4 XSIN3 Mon 30.07.12 70 dys
- 2.1.1.4.5 XSIN4 Mon 27.08.12 110 dys
- 2.1.1.4.6 XSIN5 Mon 10.09.12 130 dys
- 2.1.1.4.7 XSIN6 Mon 24.09.12 140 dys
- 2.1.1.4.8 XSIN 7 Tue 14.08.12 85 dys

+	1.15.2 timing signal (WP-18) for SASE1 in ExpHall available Mon 22.08.11 1 dy?
+	1.15.3 timing signal (WP-18) for SASE2 in ExpHall available Mon 22.08.11 1 dy?
+	1.15.4 timing signal (WP-18) for SASE3 in ExpHall exalible Mon 22.08.11 1 dy?
+	1.15.5 (x) Laser PP hutch SASE1 rfi Mon 30.12.13
+	1.15.6 (*) Laser PP hutch SASE2 / SASE3 rfi Tue 30.12.14
+	1.15.7 (x) Laser TW hutch SASE2 rfi Mon 30.06.14
+	1.15.8 (x) Laser T able PP SASE1 rfi Tue 30.12.14
+	1.15.9 (x) Laser T able PP SASE / SASE3 rfi Wed 30.12.15
+	1.15.10 (x) Laser T able TW SASE2 rfi Mon 30.06.14
+	1.15.11 (x) PP1 System (at SASE1) rfi Tue 30.12.14
+	1.15.12 (x) PP Systems (at SASE2, SASE3) rfi Wed 30.12.15
+	1.15.13 (x) TW System (at SASE2) rfi Tue 31.03.15
+	1.16 DAQ Systems Thu 28.02.13 152 dys
+	1.16.1 (x) SASE1 DAQ & DM system rfi Thu 28.02.13
+	1.16.2 (x) SASE2 DAQ & DM system rfi Mon 30.09.13
+	1.16.3 (x) SASE3 DAQ & DM system rfi Fri 01.03.13

2. Injektor Section Mon 30.07.12 741 dys? (laeutf)	
+	2.1. Infrastructure Installation Mon 30.07.12 235 dys (laeutf)
+	2.1.1. XCIN Mon 30.07.12 235 dys (laeutf)
+	2.1.1.1 (+) e Zugangskontrollsystem installieren Mon 01.10.12 2 wks (erledigt)
	2.1.1.2 (+) e Gebäudeetagen trocknen Tue 31.07.12 2 wks (erledigt)
+	2.1.1.3 (+) e Restarbeiten ARGE, Estrich, Streichen UG6,7 Tue 31.07.12 3 wks (erledigt)
+	2.1.1.4 Zwischenböden XTIN Schacht Mon 17.09.12 3 wks
+	2.1.1.5 Allgemeine Stromversorgung Thu 01.11.12 167 dys
+	2.1.1.5.1 (x) Contract Awarded Thu 01.11.12
+	2.1.1.5.2 Pritschen, Uvs, Elektroinstallation XHEIN Thu 17.01.13 30 dys
+	2.1.1.5.3 XSIN1 Thu 29.11.12 94 dys
+	2.1.1.5.4 XSIN2 Thu 22.11.12 95 dys
+	2.1.1.5.5 XSIN3 Thu 01.11.12 70 dys
+	2.1.1.5.6 XSIN4 Thu 29.11.12 110 dys
+	2.1.1.5.7 XSIN5 Thu 13.12.12 130 dys

-	2.1.1.4.9.	X SIN Media Shaft	Mon 30.07.12 95 dys (laeuf)	+	2.1.1.5.8	X SIN6	Thu 27.12.12 127 dys
-	2.1.1.4.10	XTIN1	Mon 01.10.12 5 dys	+	2.1.1.5.9	X SIN 7	Thu 08.11.12 85 dys
-	2.1.1.4.11	XTIN2	Mon 30.07.12 169 dys	+	2.1.1.5.10	X SIN Media Shaft	Thu 01.11.12 95 dys
-	2.1.1.4.12	XTIN3	Mon 30.07.12 104 dys	+	2.1.1.5.11	XTIN1	Thu 03.01.13 5 dys
-	2.1.1.4.13	XTIN4	Mon 27.08.12 120 dys	+	2.1.1.5.12	XTIN2	Thu 01.11.12 167 dys
-	2.1.1.4.14	XTIN5	Mon 10.09.12 130 dys	+	2.1.1.5.13	XTIN3	Thu 01.11.12 104 dys
-	2.1.1.4.15	XTIN6	Mon 24.09.12 140 dys	+	2.1.1.5.14	XTIN4	Thu 29.11.12 120 dys
-	2.1.1.4.16	XTIN7	Tue 14.08.12 85 dys	+	2.1.1.5.15	XTIN5	Thu 13.12.12 130 dys
-	2.1.1.4.17.	XTIN Media Shaft	Tue 04.09.12 30 dys (laeuf)	+	2.1.1.5.16	XTIN6	Thu 27.12.12 127 dys
-	2.1.1.4.18	XHEE	Mon 30.07.12 135 dys	+	2.1.1.5.17	XTIN7	Thu 08.11.12 85 dys
-	2.1.1.4.19.	XSE1	Mon 24.09.12 5 dys (laeuf)	+	2.1.1.5.18	XTIN Media Shaft	Thu 29.11.12 30 dys
-	2.1.1.4.20.	XSE2	Mon 20.08.12 95 dys (laeuf)	+	2.1.1.5.19	XHEE	Thu 01.11.12 135 dys
-	2.1.1.4.21.	XSE3	Mon 30.07.12 70 dys (laeuf)	+	2.1.1.5.20	XSE1	Thu 27.12.12 5 dys
-	2.1.1.4.22	XSE4	Mon 03.09.12 115 dys	+	2.1.1.5.21	XSE2	Thu 22.11.12 95 dys
-	2.1.1.4.23	XSE5	Mon 10.09.12 130 dys	+	2.1.1.5.22	XSE3	Thu 01.11.12 70 dys
-	2.1.1.4.24	XSE6	Mon 22.10.12 5 dys	+	2.1.1.5.23	XSE4	Thu 06.12.12 115 dys
-	2.1.1.4.25	XSE7	Tue 14.08.12 80 dys	+	2.1.1.5.24	XSE5	Thu 13.12.12 130 dys
-	2.1.1.5	Vermessung	Mon 30.07.12 10 dys	+	2.1.1.5.25	XSE6	Thu 24.01.13 5 dys
-	2.1.1.5.1	Initial Survey	Mon 30.07.12 2 wks	+	2.1.1.5.26	XSE7	Thu 08.11.12 80 dys
-	2.1.1.5.2	Dump einmessen	Mon 30.07.12 1 wk	+	2.1.1.6	Vermessung	Tue 23.10.12 10 dys
-	2.1.1.6.	Wasserkühlung und Druckluft	Mon 30.07.12 154 dys (laeuf)	+	2.1.1.6.1	Initial Survey	Tue 23.10.12 2 wks
-	2.1.1.6.1.	XTIN Media Shaft	Mon 30.07.12 50 dys (laeuf)	+	2.1.1.6.2	Dump einmessen	Tue 23.10.12 1 wk
-	2.1.1.6.2	X SIN	Mon 10.09.12 105 dys	+	2.1.1.7.	Wasserkühlung und Druckluft	Mon 30.07.12 154 dys (laeuf)
-	2.1.1.6.3	XTIN	Mon 01.10.12 105 dys	+	2.1.1.7.1.	XTIN Media Shaft	Mon 30.07.12 10 dys (laeuf)
-	2.1.1.6.4	Restarbeit	Mon 04.02.13 19 dys	+	2.1.1.7.2	XTIN Media Shaft	Mon 08.10.12 40 dys
-	2.1.1.7	Heizung Lüftung Klima	Mon 01.10.12 152 dys	+	2.1.1.7.3	X SIN	Mon 10.09.12 105 dys
-	2.1.1.8	Brandmelde Anlagen	Mon 29.10.12 121 dys	+	2.1.1.7.4	XTIN	Mon 01.10.12 105 dys
-	2.1.1.8.1	XHEE Brandmeldetechnik	Mon 29.10.12 31 dys	+	2.1.1.7.5	Restarbeit	Mon 04.02.13 19 dys
-	2.1.1.8.2	XSE	Mon 29.10.12 50 dys	+	2.1.1.8.	Heizung Lüftung Klima	Mon 01.10.12 152 dys (laeuf)
-	2.1.1.8.3	XTIN	Mon 04.02.13 51 dys	+	2.1.1.9	Brandmelde Anlagen	Mon 29.10.12 121 dys
-	2.1.1.8.4	XHEIN	Mon 29.10.12 9 dys	+	2.1.1.9.1	XHEE Brandmeldetechnik	Mon 29.10.12 31 dys
-	2.1.1.8.5	X SIN	Mon 04.02.13 47 dys	+	2.1.1.9.2	XSE	Mon 29.10.12 50 dys

- 2.1.1.9 IT Anlagen Tue 01.01.13 40 dys	+ 2.1.1.9.3 XTIN Mon 04.02.13 51 dys
- 2.1.1.10 HF-Versorgung Mon 01.04.13 40 dys	+ 2.1.1.9.4 XHEIN Mon 29.10.12 9 dys
- 2.1.1.10.1 Klystrons Mon 01.04.13 4 wks	+ 2.1.1.9.5 XSIN Mon 04.02.13 47 dys
- 2.1.1.10.2 Hohlleiter Mon 29.04.13 2 wks	+ 2.1.1.10 IT Anlagen Tue 01.01.13 40 dys
- 2.1.1.10.3 Hohlleiter XSIN Shaft Mon 13.05.13 1 wk	+ 2.1.1.11 HF-Versorgung Mon 01.04.13 40 dys
- 2.1.1.10.4 Hohlleiter XTIN Shaft Mon 20.05.13 1 wk	+ 2.1.1.11.1 Klystrons Mon 01.04.13 4 wks
- 2.1.2 XTIN UG7 Mon 30.07.12 5 dys	+ 2.1.1.11.2 Hohlleiter Mon 29.04.13 2 wks
- 2.1.2.1 Meterzahlen an Wänden anbringen Mon 30.07.12 1 wk	+ 2.1.1.11.3 Hohlleiter XSIN Shaft Mon 13.05.13 1 wk
- 2.1.2.2 Vermessungsnester anbringen und einmessen Mon 30.07.12 1 wk	+ 2.1.1.11.4 Hohlleiter XTIN Shaft Mon 20.05.13 1 wk
- 2.1.2.3 Vermessung: Laserscan Mon 30.07.12 1 wk	+ 2.1.2 XTIN UG7 Tue 23.10.12 5 dys
- 2.2 Injector Linac installation Fri 19.10.12 682 dys?	+ 2.1.2.1 Meterzahlen an Wänden anbringen Tue 23.10.12 1 wk
- 2.2.1 Timingsystem aufbauen und inbetriebnehmen Mon 06.01.14 10 wks	+ 2.1.2.2 Vermessungsnester anbringen und einmessen Tue 23.10.12 1 wk
- 2.2.2 Technisches Interlock aufbauen und Testen Mon 01.04.13 8 wks	+ 2.1.2.3 Vermessung: Laserscan Tue 23.10.12 1 wk
- 2.2.3 Master Oszillator (preliminary Version) aufbauen und testen Mon 01.04.13 8 wks	+ 2.2 Injector Linac installation Mon 03.06.13 521 dys?
- 2.2.4 Master Oscillator (final Version) aufbauen Mon 12.05.14 6 wks	+ 2.2.1 XTIN Mon 03.06.13 521 dys?
- 2.2.5 Master Oscillator inbetriebnehmen/testen Mon 23.06.14 8 wks	+ 2.2.1.1 (!) Timing und Masteroscillator Thu 13.06.13 474 dys
- 2.2.6 Personen-Interlock aufbauen und testen Mon 06.01.14 10 wks	+ 2.2.1.1.1 Timingsystem aufbauen und inbetriebnehmen Mon 06.01.14 10 wks
- 2.2.7 (!) Master Laser Oszillator + distribution installieren Wed 30.07.14 120 dys	+ 2.2.1.1.2 Technisches Interlock aufbauen und Testen Thu 13.06.13 8 wks
- 2.2.8 (!) Master Laser Oszillator inbetriebnehmen Wed 14.01.15 3 mons	+ 2.2.1.1.3 Master Oszillator (preliminary Version) aufbauen und testen Thu 13.06.13 8 wks
- 2.2.9 XTIN Fri 19.10.12 682 dys?	+ 2.2.1.1.4 Master Oscillator (final Version) aufbauen Mon 12.05.14 6 wks
- 2.2.9.1 RF Gun Systeme Mon 03.06.13 40 dys	+ 2.2.1.1.5 Master Oscillator inbetriebnehmen/testen Mon 23.06.14 8 wks
- 2.2.9.1.1 RF Gun Komponenten aufbauen Mon 03.06.13 8 wks	+ 2.2.1.1.6 Personen-Interlock aufbauen und testen Thu 13.06.13 10 wks
- 2.2.9.1.2 Vacuum System Mon 03.06.13 2 wks	+ 2.2.1.1.7 (!) Master Laser Oszillator + distribution installieren Wed 30.07.14 120 dys
- 2.2.9.1.3 LLRF Installation Mon 17.06.13 2 wks	+ 2.2.1.1.8 (!) Master Laser Oszillator inbetriebnehmen Wed 14.01.15 3 mons
- 2.2.9.1.4 RF Connection Mon 17.06.13 1 wk	+ 2.2.1.2 RF Gun Systeme Mon 03.06.13 55 dys
- 2.2.9.1.5 Install TDS Mon 03.06.13 3 wks	+ 2.2.1.2.1 RF Gun Komponenten aufbauen Mon 24.06.13 8 wks
- 2.2.9.2 Warm RF (TDS) Commissioning Mon 17.03.14 2 mons	+ 2.2.1.2.2 Vacuum System Mon 03.06.13 2 wks
- 2.2.9.3 Tunnel Closed Mon 02.09.13 456 dys?	+ 2.2.1.2.3 LLRF Installation Mon 17.06.13 2 wks
- 2.2.9.3.1 Access blocked XTIN7 and Media Shaft Mon 02.09.13 40 dys?	+ 2.2.1.2.4 RF Connection Mon 17.06.13 1 wk
- 2.2.9.3.2 Access blocked XSIN Media Shaft Mon 02.09.13 40 dys?	+ 2.2.1.2.5 Install TDS Mon 03.06.13 3 wks

- 2.2.9.3	Access blocked XTIN7 and Media Shaft Tue 01.07.14 12 mons	+ 2.2.1.3	Warm RF (TDS) Commissioning Mon 17.03.14 2 mons
- 2.2.9.3.4	Access blocked XSIN Media Shaft Tue 01.07.14 12 mons	+ 2.2.1.4	Tunnel Closed Mon 02.09.13 456 dys?
- 2.2.9.4	Cold RF Fri 13.12.13 100 dys	+ 2.2.1.4.1	Access blocked XTIN7 and Media Shaft Mon 02.09.13 40 dys?
- 2.2.9.4.1	Install ACC1 Fri 13.12.13 4 wks	+ 2.2.1.4.2	Access blocked XSIN Media Shaft Mon 02.09.13 40 dys?
- 2.2.9.4.2	Install ACC1 Fri 07.03.14 4 wks	+ 2.2.1.4.3	Access blocked XTIN7 and Media Shaft Tue 01.07.14 12 mons
- 2.2.9.4.3	LLRF Installation Fri 04.04.14 4 wks	+ 2.2.1.4.4	Access blocked XSIN Media Shaft Tue 01.07.14 12 mons
- 2.2.9.5	Laser Transport Line Fri 19.10.12 2 wks	+ 2.2.1.5	Cold RF Fri 13.12.13 100 dys
- 2.2.9.6	Laser Heater Fri 19.10.12 4 wks	+ 2.2.1.5.1	Install ACC1 Fri 13.12.13 4 wks
- 2.2.9.7	Cryo System Fri 15.11.13 50 dys	+ 2.2.1.5.2	Install ACC1 Fri 07.03.14 4 wks
- 2.2.9.7.1	Cryo Feed Cap Fri 15.11.13 2 wks	+ 2.2.1.5.3	LLRF Installation Fri 04.04.14 4 wks
- 2.2.9.7.2	Cryo End Cap Fri 29.11.13 2 wks	+ 2.2.1.6	Laser Transport Line Thu 27.02.14 2 wks
- 2.2.9.7.3	Cryo Transfer Line Fri 27.12.13 4 wks	+ 2.2.1.7	Laser Heater Mon 06.01.14 4 wks
- 2.2.9.8	Beamline Supports Fri 07.02.14 2 wks	+ 2.2.1.8	Laser Thu 02.01.14 8 wks
- 2.2.9.9	Warm Beamline Fri 21.02.14 1 mon	+ 2.2.1.9	Cryo System Fri 15.11.13 50 dys
- 2.2.9.10	Beam Dump Tue 31.12.13 28 dys	+ 2.2.1.9.1	Cryo Feed Cap Fri 15.11.13 2 wks
- 2.2.9.10.1	Dump Support Tue 31.12.13 2 wks	+ 2.2.1.9.2	Cryo End Cap Fri 29.11.13 2 wks
- 2.2.9.10.2	Dump Line Fri 24.01.14 2 wks	+ 2.2.1.9.3	Cryo Transfer Line Fri 27.12.13 4 wks

+ 2.2.1.10	Beamline Supports Fri 07.02.14 2 wks
+ 2.2.1.11	Warm Beamline Fri 21.02.14 1 mon
+ 2.2.1.12	Beam Dump Tue 31.12.13 28 dys
+ 2.2.1.12.1	Dump Support Tue 31.12.13 2 wks
+ 2.2.1.12.2	Dump Line Fri 24.01.14 2 wks
+ 2.2.1.13	Electronic Racks Fri 21.02.14 8 wks
+ 2.2.1.14	Magnet Power Supplies Fri 21.02.14 4 mons

- 2.3 (!) Injector commissioning Mon 17.03.14 257 dys
- 2.3.1 RF Gun commissioning Mon 17.03.14 1 wk

Line 280:

- 2.3.3 ACC39 commissioning Fri 16.05.14 2 wks
- 2.3.4 (!) Injector commissioning with beam to Inj Dump Wed 14.01.15 8 wks
- 3. Main Linac Section Mon 30.01.12 1082 dys? (laeutf)
- 3.1 . Infrastructure installation Mon 30.01.12 510 dys? (laeutf)
- 3.1.1 .XTL Mon 30.01.12 493,67 dys? (laeutf)

Line 291:

- 2.3.3 ACC39 commissioning Fri 16.05.14 2 wks
- 2.3.4 (!) Injector commissioning with beam to Inj Dump Wed 14.01.15 8 wks
- + 3. Main Linac Section Mon 30.01.12 1167 dys? (laeutf)
- 3.1 . Infrastructure installation Mon 30.01.12 510 dys? (laeutf)
- 3.1.1 .XTL Mon 30.01.12 493,67 dys? (laeutf)

Line 293:

- 3.1.1.1.8 (*)e Material transportation to storage places Thu 08.03.12 5 dys (erledigt)
- 3.1.1.1.9 (*)e Hubbühne in XSE einbringen Tue 12.06.12 3 dys (erledigt)
- 3.1.1.2. Sonstiges Mon 12.03.12 **177** dys (laeuft)
- 3.1.1.2.1 (*)e installing main light (MKK/Fa. Bellut) Mon 12.03.12 27 dys (erledigt)
- 3.1.1.2.2 (*)e Baustrom kompletieren (MKK/Fa. Wille) Thu 15.03.12 17 dys (erledigt)
- 3.1.1.2.3 (*)e Fußbodenreinigung Thu 22.03.12 1 dy (erledigt)
- 3.1.1.2.4 (*)e Reinigung Tunnelwände Wed 11.04.12 3 dys (erledigt)
- 3.1.1.2.5 installing grounding trail **Wed 24.10.12** 15 dys
- 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)

Line 308:

- 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 + Anrisse Deckenrahmen 1000m-2000m **Tue 30.10.12** 2 wks
- 3.1.1.3.8 Vermessung 2. Durchlauf 0-1000m Wed 25.09.13 2 wks
- 3.1.1.4. Bodenplatten-Rangierungen Mon 11.06.12 347,67 dys (laeuft)
- 3.1.1.4.1 (*)e Bodenplatten rechts von hinten oeffnen (MEA) Mon 11.06.12 55 dys (erledigt)
- 3.1.1.4.2 (*)e Mittendurchbrüche in Sohlgewölbe herstellen (BAU) Mon 02.07.12 14 dys (erledigt)
- 3.1.1.4.3. Boden im hinteren Bereich >1000m temporaer schliessen **Wed 24.10.12** 3 wks (laeuft)
- 3.1.1.4.4 (!) Bodenplatten links nach rechts von hinten umrangeren Fri 07.12.12 7 wks
- 3.1.1.4.5 (!) Fussbodenplatten links von vorne wiedereinbringen Fri 19.07.13 58 dys
- 3.1.1.4.6 Fussbodenplatten rechts fixieren Fri 25.01.13 3 wks
- 3.1.1.4.7 (*)e LWL-Kanal-Steg aufmauern Fri 07.09.12 7 dys (erledigt)
- 3.1.1.4.8 _Abdecksteine-/bleche für LWL Kanal installieren Wed 17.10.12 1 wk (laeuft)
- 3.1.1.4.9 Durchgriffe durch Bodenplatten/Spezialplatten Fri 19.07.13 50 dys
- 3.1.1.5 Deckenrahmen + Konsolen **Wed 14.11.12** 192,67 dys
- 3.1.1.5.1 Deckenkonsolen L3 1000 bis **1700m von vorne beginnend** installieren **Wed 14.11.12** 48 dys
- 3.1.1.5.2 Deckenrahmen L3 1000m bis 1700m installieren **Wed 12.12.12** 20 wks

Line 304:

- 3.1.1.1.8 (*)e Material transportation to storage places Thu 08.03.12 5 dys (erledigt)
- 3.1.1.1.9 (*)e Hubbühne in XSE einbringen Tue 12.06.12 3 dys (erledigt)
- + 3.1.1.2. Sonstiges Mon 12.03.12 **185** dys (laeuft)
- 3.1.1.2.1 (*)e installing main light (MKK/Fa. Bellut) Mon 12.03.12 27 dys (erledigt)
- 3.1.1.2.2 (*)e Baustrom kompletieren (MKK/Fa. Wille) Thu 15.03.12 17 dys (erledigt)
- 3.1.1.2.3 (*)e Fußbodenreinigung Thu 22.03.12 1 dy (erledigt)
- 3.1.1.2.4 (*)e Reinigung Tunnelwände Wed 11.04.12 3 dys (erledigt)
- + 3.1.1.2.5 installing grounding trail **Mon 05.11.12** 15 dys
- 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)

Line 319:

- 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 + Anrisse Deckenrahmen 1000m-2000m **Wed 31.10.12** 2 wks
- 3.1.1.3.8 Vermessung 2. Durchlauf 0-1000m Wed 25.09.13 2 wks
- 3.1.1.4. Bodenplatten-Rangierungen Mon 11.06.12 347,67 dys (laeuft)
- 3.1.1.4.1 (*)e Bodenplatten rechts von hinten oeffnen (MEA) Mon 11.06.12 55 dys (erledigt)
- 3.1.1.4.2 (*)e Mittendurchbrüche in Sohlgewölbe herstellen (BAU) Mon 02.07.12 14 dys (erledigt)
- 3.1.1.4.3. Boden im hinteren Bereich >1000m temporaer schliessen **Thu 25.10.12** 3 wks (laeuft)
- 3.1.1.4.4 (!) Bodenplatten links nach rechts von hinten umrangeren Fri 07.12.12 7 wks
- 3.1.1.4.5 (!) Fussbodenplatten links von vorne wiedereinbringen Fri 19.07.13 58 dys
- 3.1.1.4.6 Fussbodenplatten rechts fixieren Fri 25.01.13 3 wks
- 3.1.1.4.7 (*)e LWL-Kanal-Steg aufmauern Fri 07.09.12 7 dys (erledigt)
- 3.1.1.4.8 (+)e Abdecksteine-/bleche für LWL Kanal installieren Wed 17.10.12 1 wk (erledigt)
- 3.1.1.4.9 Durchgriffe durch Bodenplatten/Spezialplatten Fri 19.07.13 50 dys
- + 3.1.1.5 Deckenrahmen + Konsolen **Thu 15.11.12** 191,67 dys
- + 3.1.1.5.1 Deckenkonsolen L3 1000 bis **1700** installieren **Thu 15.11.12** 48 dys
- + 3.1.1.5.2 Deckenrahmen L3 1000m bis 1700m installieren **Thu 13.12.12** 20 wks

- 3.1.1.5.3 Deckenkonsole L3 bis 1000m installieren **Mon 21.01.13** 20 wks
- 3.1.1.5.4 Deckenrahmen L3 bis 1000m installieren Tue 07.05.13 25 dys
- 3.1.1.5.5 Deckenkonsole L2 installieren **Mon 10.06.13** 13 dys
- 3.1.1.5.6 Deckenrahmen L2 installieren **Thu 27.06.13** 13 dys
- 3.1.1.5.7 Deckenkonsole L1 installieren Fri 19.07.13 1 wk
- 3.1.1.5.8 Deckenrahmen L1 installieren Fri 26.07.13 2 wks
- 3.1.1.6. Rauchmelde- und Sicherheitsanlagen T ue 29.05.12 **304** dys? (laeuft)
- 3.1.1.6.1 Rauchmeldung installieren Mon 17.06.13 10 dys
- 3.1.1.6.2 Kabelverlegung Funktionserhalt Mon 12.11.12 5 dys
- 3.1.1.6.3 Kabelverlegung Funktionserhalt, Interlock Mon 12.11.12 2 wks
- 3.1.1.6.4 Lautsprecheranlagen et al. installieren (MPS) **Wed 16.01.13** 3 wks
- 3.1.1.6.5 (*)e Rauchansaug-Verrohrung montieren T ue 29.05.12 30 dys (erledigt)
- 3.1.1.6.6 Montage+Verkabelung Sirenen Mon 19.11.12 21 dys
- 3.1.1.6.7 Test der Rauchmeldeanlage Mon 01.07.13 20 dys
- 3.1.1.6.8 Löschanlagen installieren Mon **24.12.12** 10 dys?
- 3.1.1.6.9 Rettungssystem 90-1000m Mon 12.11.12 10 dys
- 3.1.1.6.10 Rettungssystem 1000-2100m Mon 12.11.12 10 dys

Line 357:

- 3.1.1.9. Kabel Pritschen Fri 14.09.12 190,67 dys (laeuft)
- 3.1.1.9.1. Kabelpritschen links oben (2, Funktionserhalt) Mon 15.10.12 20 dys (laeuft)
- 3.1.1.9.2 Obere Kabelpritschen (#12-17) installieren **Wed 24.10.12** 60 dys
- 3.1.1.9.3 (*)e cable trays for pulse cables XSE shaft Fri 14.09.12 10 dys (erledigt)
- 3.1.1.9.4 (!). Pritschen rechts unten Fri 05.10.12 65,67 dys (laeuft)

Line 403:

- 3.1.1.12.2. Glasphasierleerrohre unter Bodenplatten vorbereiten Fri 23.11.12 9 wks (laeuft)
- 3.1.1.12.3 Glasphasierleerrohre verlegen (links) Mon 04.03.13 5 dys
- 3.1.2.XSI **Fri 30.11.12 291** dys?
- 3.1.2.1 Survey (WP32) Vermessungsnester + Netzaufmass Mon **10.12.12** 4 wks
- 3.1.2.2 Zugangskontrollsystem/Drehkreuz installieren Mon **03.12.12** 1 wk
- 3.1.2.3 XSI Infrastructure Installation (WP34) Mon 01.07.13 140 dys?
- 3.1.2.3.1 (**start-end duration derived from WP-34-plan**) Mon 01.07.13 132 dys

- + 3.1.1.5.3 Deckenkonsole L3 bis 1000m installieren **Tue 22.01.13** 20 wks
- 3.1.1.5.4 Deckenrahmen L3 bis 1000m installieren Tue 07.05.13 25 dys
- + 3.1.1.5.5 Deckenkonsole L2 installieren **Tue 11.06.13** 13 dys
- + 3.1.1.5.6 Deckenrahmen L2 installieren **Fri 28.06.13** 13 dys
- 3.1.1.5.7 Deckenkonsole L1 installieren Fri 19.07.13 1 wk
- 3.1.1.5.8 Deckenrahmen L1 installieren Fri 26.07.13 2 wks
- + 3.1.1.6. Rauchmelde- und Sicherheitsanlagen T ue 29.05.12 **334** dys? (laeuft)
- 3.1.1.6.1 Rauchmeldung installieren Mon 17.06.13 10 dys
- 3.1.1.6.2 Kabelverlegung Funktionserhalt Mon 12.11.12 5 dys
- 3.1.1.6.3 Kabelverlegung Funktionserhalt, Interlock Mon 12.11.12 2 wks
- + 3.1.1.6.4 Lautsprecheranlagen et al. installieren (MPS) **Mon 28.01.13** 3 wks
- 3.1.1.6.5 (*)e Rauchansaug-Verrohrung montieren T ue 29.05.12 30 dys (erledigt)
- 3.1.1.6.6 Montage+Verkabelung Sirenen Mon 19.11.12 21 dys
- 3.1.1.6.7 Test der Rauchmeldeanlage Mon 01.07.13 20 dys
- + 3.1.1.6.8 Löschanlagen installieren Mon **26.08.13** 10 dys?
- 3.1.1.6.9 Rettungssystem 90-1000m Mon 12.11.12 10 dys
- 3.1.1.6.10 Rettungssystem 1000-2100m Mon 12.11.12 10 dys

Line 368:

- 3.1.1.9. Kabel Pritschen Fri 14.09.12 190,67 dys (laeuft)
- 3.1.1.9.1. Kabelpritschen links oben (2, Funktionserhalt) Mon 15.10.12 20 dys (laeuft)
- + 3.1.1.9.2 Obere Kabelpritschen (#12-17) installieren **Mon 05.11.12** 60 dys
- 3.1.1.9.3 (*)e cable trays for pulse cables XSE shaft Fri 14.09.12 10 dys (erledigt)
- 3.1.1.9.4 (!). Pritschen rechts unten Fri 05.10.12 65,67 dys (laeuft)

Line 414:

- 3.1.1.12.2. Glasphasierleerrohre unter Bodenplatten vorbereiten Fri 23.11.12 9 wks (laeuft)
- 3.1.1.12.3 Glasphasierleerrohre verlegen (links) Mon 04.03.13 5 dys
- + 3.1.2.XSI **Mon 12.11.12 305** dys?
- + 3.1.2.1 Survey (WP32) Vermessungsnester + Netzaufmass Mon **04.03.13** 4 wks
- + 3.1.2.2 Zugangskontrollsystem/Drehkreuz installieren Mon **25.02.13** 1 wk
- 3.1.2.3 XSI Infrastructure Installation (WP34) Mon 01.07.13 140 dys?
- + 3.1.2.3.1 (duration **as in WP34scheme12-08-17: 1.Jul.13 to 31.Dec.13**) Mon 01.07.13 132 dys

- 3.1.2.3.2 High Power Supplies Mon 01.07.13 1 dy?
- 3.1.2.3.3 Water Cooling and Compressed Air Mon 01.07.13 140 dys
- 3.1.2.3.4 Process Control and Instrumentation Mon 01.07.13 100 dys
- 3.1.2.3.5 Protections and Safety Systems Mon 01.07.13 50 dys
- 3.1.2.3.6 IT Systems Mon 01.07.13 30 dys
3.1.2.4 Heating and Ventilation Mon 01.07.13 5 mons
- 3.1.2.5 Water installation Fri 30.11.12 5 mons
- 3.1.2.6 Electricity Fri 30.11.12 5 mons
- 3.1.2.7 Installation analog-T-efelone Mon 07.01.13 1 wk
- 3.1.2.8 IT Infrastructure Fri 19.04.13 2 mons
- 3.2 (i) Main Linac installation Mon 07.01.13 732 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

Line 551:

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 XS1 Mon 07.01.13 607 dys?
- 3.2.11.1 Transferline 1 Mon 07.01.13 40 dys
- 3.2.11.1.1 Supports Mon 07.01.13 2 wks
- 3.2.11.1.2 Magnete Mon 21.01.13 3 wks
- 3.2.11.1.3 Vakuumsystem Mon 11.02.13 3 wks
- 3.2.11.2 Transferline 2 Mon 21.01.13 45 dys
- 3.2.11.2.1 Supports Mon 21.01.13 2 wks
- 3.2.11.2.2 Magnete Mon 04.02.13 3 wks
- 3.2.11.2.3 Vakuumsystem Mon 04.03.13 3 wks
- 3.2.11.3 Dump Mon 07.01.13 607 dys?
- 3.2.11.3.1 Supports Mon 07.01.13 5 dys?
- 3.2.11.3.2 Magnete Mon 14.01.13 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 (i) Machine commissioning Wed 28.10.15 105 dys

+ 3.1.2.3.2 ? High Power Supplies XS1 Mon 01.07.13 1 dy?
+ 3.1.2.3.3 ? Water Cooling and Compressed Air XS1 Mon 01.07.13 140 dys
+ 3.1.2.3.4 ? Heating, Ventilation and Air Conditioning XS1 Mon 01.07.13 70 dys
+ 3.1.2.3.5 ? Process Control and Instrumentation XS1 Mon 01.07.13 100 dys
+ 3.1.2.3.6 ? Protections and Safety Systems XS1 Mon 01.07.13 50 dys
+ 3.1.2.3.7 ? IT Systems XS1 Mon 01.07.13 30 dys
3.1.2.4 Heating and Ventilation Mon 01.07.13 5 mons
+ 3.1.2.5 Water installation Mon 12.11.12 5 mons
+ 3.1.2.6 Electricity Mon 12.11.12 5 mons
+ 3.1.2.7 Installation analog-T-efelone Mon 01. 04.13 1 wk
+ 3.1.2.8 IT Infrastructure Mon 01.04.13 2 mons
+ 3.2 (i) Main Linac installation Mon 01. 04.13 672 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

Line 563:

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 XS1 Mon 01. 04.13 547 dys?
+ 3.2.11.1 Transferline 1 Mon 01. 04.13 40 dys
+ 3.2.11.1.1 Supports Mon 01. 04.13 2 wks
+ 3.2.11.1.2 Magnete Mon 15.04.13 3 wks
+ 3.2.11.1.3 Vakuumsystem Mon 06.05.13 3 wks
+ 3.2.11.2 Transferline 2 Mon 15.04.13 45 dys
+ 3.2.11.2.1 Supports Mon 15.04.13 2 wks
+ 3.2.11.2.2 Magnete Mon 29.04.13 3 wks
+ 3.2.11.2.3 Vakuumsystem Mon 27.05.13 3 wks
+ 3.2.11.3 Dump Mon 01. 04.13 547 dys?
+ 3.2.11.3.1 Supports Mon 01. 04.13 5 dys?
+ 3.2.11.3.2 Magnete Mon 08.04.13 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 (i) Machine commissioning Wed 28.10.15 190 dys

3.3.1 (i) L1+L2+L3 kaltfahren Wed 28.10.15 2 wks
3.3.2 (i) RF-T ests mit kalten Modulen Wed 11.11.15 4 wks

Line 573:

3.3.6 (i) Establishing SASE in first Undulator section Wed 10.02.16 2 wks
3.3.7 (i) Establishing SASE in second Undulator section Wed 24.02.16 2 wks
3.3.8 Establishing SASE in third Undulator section Wed 09.03.16 2 wks
- 4 Photon Beamlines Section Mon 22.08.11 1167 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?
- 4.1.1.1 Survey (WP32) Fri 03.01.14 10 dys
- 4.1.1.2 XS2-HE2 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?
- 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 dys
- 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 dys
- 4.1.1.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys
- 4.1.1.2.6 Heating Ventilation and Air Conditioning Mon 03.11.14 100 dys
- 4.1.1.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys
- 4.1.1.2.8 Protections and Safety Systems Mon 03.11.14 50 dys
- 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 dys
- 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 dys?
- 4.1.2.1 Survey (WP32) Fri 06.09.13 10 dys
- 4.1.2.2 XS3-HE3 Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
- 4.1.2.2.1 ("duration as in "excel-list") Mon 03.03.14 130 dys
- 4.1.2.2.2 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys
- 4.1.2.2.3 High Power Supplies Mon 03.03.14 1 dy?

3.3.1 (i) L1+L2+L3 kaltfahren Wed 28.10.15 2 wks
3.3.2 (i) RF-T ests mit kalten Modulen Wed 11.11.15 4 wks

Line 585:

3.3.6 (i) Establishing SASE in first Undulator section Wed 10.02.16 2 wks
3.3.7 (i) Establishing SASE in second Undulator section Wed 24.02.16 2 wks
+ 3.3.8 (i) Establishing SASE in third Undulator section Wed 06.07.16 2 wks
+ 4 Photon Beamlines Section Mon 22.08.11 1212 dys?
+ 4.1 Shaft Buildings 2,3,4 Mon 12.11.12 841 dys?
+ 4.1.1 X-HE2-S2 Fri 21.06.13 682 dys?
+ 4.1.1.1 installing basic XS2 safety infrastructure (WP36) Fri 21.06.13 1 dy?
+ 4.1.1.2 Survey (WP32) Wed 26.06.13 10 dys
+ 4.1.1.3 (i) XS2-HE2 Infrastructure Installation (WP34) Wed 01.04.15 150 dys
+ 4.1.1.3.1 (duration as in WP34scheme12-08-17: 1 Apr. 15 to 31 Aug. 15) Thu 02.04.15 107 dys
+ 4.1.1.3.2 ? High Power Supplies Wed 01.04.15 100 dys
+ 4.1.1.3.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
+ 4.1.1.3.4 ? Heating Ventilation and Air Conditioning Wed 01.04.15 100 dys
+ 4.1.1.3.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
+ 4.1.1.3.6 ? Protections and Safety Systems Wed 01.04.15 50 dys
+ 4.1.1.3.7 (i) ? IT Systems XS2 Wed 01.04.15 30 dys
+ 4.1.1.4 Machine Installation XS2 Mon 31.08.15 1 dy?
+ 4.1.1.5 Machine test & commissioning XS2 Tue 01.09.15 5 dys
+ 4.1.1.6 PBL SASE2 Inst. (WP-73) Mon 14.09.15 20 wks
+ 4.1.1.7 - Mon 01.02.16 1 dy?
+ 4.1.2 X-HE3-S3 Mon 12.11.12 556 dys?
+ 4.1.2.1 installing basic XS3 safety infrastructure (WP36) Mon 12.11.12 1 dy?
+ 4.1.2.2 Survey (WP32) Mon 07.01.13 10 dys
+ 4.1.2.3 XS3-HE3 Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
+ 4.1.2.3.1 (duration as in WP34scheme12-08-17: 1 Apr. 14 to 31 Aug. 14) Mon 03.03.14 130 dys
+ 4.1.2.3.2 ? High Power Supplies Mon 03.03.14 1 dy?

- 4.1.2.2.4 Water Cooling and Compressed Air Mon 03.03.14 140 dys	+ 4.1.2.3.3 ? Water Cooling and Compressed Air Mon 03.03.14 140 dys
- 4.1.2.2.5 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys	+ 4.1.2.3.4 ? Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
- 4.1.2.2.6 Process Control and Instrumentation Mon 03.03.14 100 dys	+ 4.1.2.3.5 ? Process Control and Instrumentation Mon 03.03.14 100 dys
- 4.1.2.2.7 Protections and Safety Systems Mon 03.03.14 50 dys	+ 4.1.2.3.6 ? Protections and Safety Systems Mon 03.03.14 50 dys
- 4.1.2.2.8 IT Systems Mon 03.03.14 30 dys	+ 4.1.2.3.7 ? IT Systems XS3 Mon 03.03.14 30 dys
- 4.1.2.3 Machine Installation XS3 Mon 14.04.14 30 dys	+ 4.1.2.4 Machine Installation XS3 Mon 14.04.14 30 dys
- 4.1.2.4 Machine test & commissioning XS3 Mon 26.05.14 5 dys	+ 4.1.2.5 ??? Machine test & commissioning XS3 Mon 26.05.14 5 dys
- 4.1.2.5 PBL SASE1 Inst. (WP-73) Mon 02.06.14 30 wks	+ 4.1.2.6 PBL SASE1 Inst. (WP-73) Mon 02.06.14 30 wks
- 4.1.2.6 - Mon 29.12.14 1 dy?	+ 4.1.2.7 - Mon 29.12.14 1 dy?
- 4.1.3 X-HS4-S4 Thu 14.11.13 402 dys?	+ 4.1.3 X-HS4-S4 Fri 21.06.13 613 dys?
- 4.1.3.1 Survey (WP32) Thu 14.11.13 10 dys	+ 4.1.3.1 installing basic XS4 safety Infrastructure (WP36) Fri 21.06.13 1 dy?
- 4.1.3.2 XS4-HE4 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?	+ 4.1.3.2 Survey (WP32) Wed 26.06.13 10 dys
- 4.1.3.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?	+ 4.1.3.3 XS4-HE4 Infrastructure Installation (WP34) Wed 01.04.15 150 dys
- 4.1.3.2.2 ("duration as in "excel-list")" Mon 03.11.14 107 dys	+ 4.1.3.3.1 (duration as in WP34scheme12-08-17: 1 Apr.15 to 31 Aug.15) Thu 02.04.15 107 dys
- 4.1.3.2.3 Cable Trays XS4 Mon 03.11.14 30 dys	+ 4.1.3.3.2 ? High Power Supplies Wed 01.04.15 100 dys
- 4.1.3.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys	+ 4.1.3.3.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
- 4.1.3.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys	+ 4.1.3.3.4 ? Heating, Ventilation and Air Conditioning Wed 01.04.15 100 dys
- 4.1.3.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys	+ 4.1.3.3.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
- 4.1.3.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys	+ 4.1.3.3.6 ? Protections and Safety Systems Wed 01.04.15 50 dys
- 4.1.3.2.8 Protections and Safety Systems Mon 03.11.14 50 dys	+ 4.1.3.3.7 ? IT Systems Wed 01.04.15 30 dys
- 4.1.3.3 Machine Installation XS4 Mon 12.01.15 30 dys	+ 4.1.3.4 Machine Installation XS4 Wed 10.06.15 30 dys
- 4.1.3.4 Machine test & commissioning XS4 Mon 23.02.15 5 dys	+ 4.1.3.5 Machine test & commissioning XS4 Wed 22.07.15 5 dys
- 4.1.3.5 - Mon 02.03.15 1 dy?	+ 4.1.3.6 - Wed 29.07.15 1 dy?
- 4.1.4 Dumps U1,U2 Mon 01.10.12 695 dys?	+ 4.1.4 Dumps U1,U2 Thu 15.11.12 769 dys?
- 4.1.4.1 XSDU1 Thu 01.11.12 672 dys?	+ 4.1.4.1 XSDU1 Wed 26.06.13 610 dys?
- 4.1.4.1.1 Initial survey (WP32) Thu 01.11.12 1 dy?	+ 4.1.4.1.1 Initial survey (WP32) Wed 26.06.13 1 dy?
- 4.1.4.1.2 XSDU1 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?	+ 4.1.4.1.2 XSDU1 Infrastructure Installation (WP34) Wed 01.04.15 150 dys?
- 4.1.4.1.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?	+ 4.1.4.1.2.1 (duration as in WP34scheme12-08-17: 1 Apr.15 to 31 Aug.15) Wed 01.04.15 1 dy?
- 4.1.4.1.2.2 ("duration as in "excel-list")" Mon 03.11.14 1 dy?	+ 4.1.4.1.2.2 ? High Power Supplies Wed 01.04.15 100 dys

- 4.1.4.1.2.3 Cable Trays XS4 Mon 03.11.14 30 dys	+ 4.1.4.1.2.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
- 4.1.4.1.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys	+ 4.1.4.1.2.4 ? Heating, Ventilation and Air Conditioning Wed 01.04.15 100 dys
- 4.1.4.1.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys	+ 4.1.4.1.2.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
- 4.1.4.1.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys	+ 4.1.4.1.2.6 ? Protection and Safety Systems Wed 01.04.15 50 dys
- 4.1.4.1.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys	+ 4.1.4.1.2.7 ? IT Systems Wed 01.04.15 30 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 10.06.15 30 dys
- 4.1.4.1.3 Dump1 installation Wed 11.02.15 30 dys	+ 4.1.4.1.4 Dump1 commissioning Wed 22.07.15 10 dys
- 4.1.4.1.4 Dump1 commissioning Wed 25.03.15 10 dys	+ 4.1.4.2 XSDU2 Thu 15.11.12 594 dys?
- 4.1.4.2 XSDU2 Mon 01.10.12 627 dys?	+ 4.1.4.2.1 Initial survey (WP32) Thu 15.11.12 1 dy?
- 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 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	+ 4.1.4.2.2.1 (duration as in WP34scheme12-08-17: 1.Apr.14 to 31.Aug.14) Mon 03.03.14 130 dys
- 4.1.4.2.2.2 High Power Supplies Mon 03.03.14 1 dy?	+ 4.1.4.2.2.2 ? High Power Supplies Mon 03.03.14 1 dy?
- 4.1.4.2.2.3 Water Cooling and Compressed Air Mon 03.03.14 140 dys	+ 4.1.4.2.2.3 ? Water Cooling and Compressed Air Mon 03.03.14 140 dys
- 4.1.4.2.2.4 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys	+ 4.1.4.2.2.4 ? Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
- 4.1.4.2.2.5 Process Control and Instrumentation Mon 03.03.14 100 dys	+ 4.1.4.2.2.5 ? Process Control and Instrumentation Mon 03.03.14 100 dys
- 4.1.4.2.2.6 Protections and Safety Systems Mon 03.03.14 50 dys	+ 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	+ 4.1.4.2.2.7 ? IT Systems Mon 03.03.14 30 dys
- 4.1.4.2.3 Dump2 Installation Wed 31.12.14 30 dys	+ 4.1.4.2.3 Dump2 Installation Wed 31.12.14 30 dys
- 4.1.4.2.4 Dump2 commissioning Wed 11.02.15 10 dys	+ 4.1.4.2.4 Dump2 commissioning Wed 11.02.15 10 dys
- 4.1.4.2.5 PBL SASE3 Inst. (WP-73) Mon 15.09.14 20 dys	+ 4.1.4.2.5 PBL SASE3 Inst. (WP-73) Mon 01.09.14 20 dys
- 4.2 (+) XTD1 (SASE2) (Un <u>nd</u>) Thu 05.04.12 957 dys?	+ 4.2 (I) XTD1 (SASE2) (Un <u>nd</u>) Mon 18.06.12 970 dys?
- 4.2.1 (*)e establish reference gridXTD1 Mon 18.06.12 5 dys (erledgt)	+ 4.2.1 (*)e establish reference gridXTD1 Mon 18.06.12 5 dys (erledgt)
- 4.2.2 installing basic XTD1 safety infrastructure (WP36) Mon 07.01.13 3 dys	+ 4.2.2 installing basic XTD1 safety infrastructure (WP36) Fri 21.06.13 3 dys
- 4.2.3 initial survey XTD1 (WP32) Thu 07.03.13 29 dys	+ 4.2.3 initial survey XTD1 (WP32) Wed 26.06.13 29 dys
- 4.2.3.1 set marks for survey rail Thu 07.03.13 2 dys	+ 4.2.3.1 set marks for survey rail Wed 26.06.13 2 dys
- 4.2.3.2 survey 1st passage XTD1 Mon 11.03.13 20 dys	+ 4.2.3.2 survey 1st passage XTD1 Fri 28.06.13 20 dys
- 4.2.3.3 survey 2nd passage XTD1 Mon 08.04.13 7 dys	+ 4.2.3.3 survey 2nd passage XTD1 Fri 26.07.13 7 dys
- 4.2.3.4 installation of XTD1 survey rail (WP33 - ZM5) Wed 13.03.13 12 dys	+ 4.2.3.4 installation of XTD1 survey rail (WP33 - ZM5) Tue 02.07.13 12 dys
- 4.2.4 installing main light (MKK/Fa. Bellut) Mon 17.12.12 27 dys	+ 4.2.4 ? XTD1 first installations an preparations Tue 06.08.13 27 dys
- 4.2.5 Baustrom kompletieren (MKK/Fa. Wille) Mon 17.12.12 17 dys	+ 4.2.4.1 ? installing main light (MKK/Fa. Bellut) Tue 06.08.13 27 dys

- 4.2.6 Fußbodenreinigung Mon 17.12.12 1 dy
- 4.2.7 Reinigung Tunnelwände Thu 05.04.12 3 dys
- 4.2.8 installing grounding trail Mon 14.01.13 15 dys
- 4.2.9 (+) XT D1 Infrastructure Installation (WP34) Mon 01 09.14 150 dys
- 4.2.9.1 (start-end duration derived from WP-34-plan) Mon 01.09.14 86 dys
- 4.2.9.2 "(duration as in <u>"excel-list"</u>)" Mon 01.09.14 86 dys
- 4.2.9.3 Cable Trays XTID1 Mon 01 09.14 30 dys
- 4.2.9.4 Power Supplies & High Power Supplies Mon 01 09.14 100 dys
- 4.2.9.5 (+) Water Cooling & Compressed Air Mon 01 09.14 150 dys
- 4.2.9.6 Heating, Ventilation & Air Conditioning Mon 01 09.14 70 dys
- 4.2.9.7 Process Control and Instrumentation Mon 01 09.14 100 dys
- 4.2.9.8 Protections & Safety Systems Mon 01 09.14 100 dys
- 4.2.10 Personnel Interlock (WP-38) Mon 01 09.14 40 dys?
- 4.2.11 DAQ installation (SASE2) - (see below) Mon 15.12.14 120 dys
- 4.2.12 (+) Machine Installation Mon 16.02.15 120 dys?
- 4.2.12.1 (+) EB magnets sase2 Mon 16.02.15 50 dys?
- 4.2.12.2 (+) intersections Mon 27.04.15 50 dys?
- 4.2.12.3 (+) EB Vac sase2 Mon 06.07.15 20 dys?
- 4.2.13 (+) Undulators (SASE2) Mon 03.08.15 1 mon
- 4.2.14 (+) Undulator Alignment (SASE2) Mon 31.08.15 1 mon
- 4.2.15 (+) Undulator Test of Contr.Syst. (SASE2) Mon 28.09.15 2 mons
- 4.2.16 (+) Machine test & commissioning XT D1 Mon 23.11.15 10 dys
- 4.2.17 (+) PBL SASE2 Installation (XTD1/XS2) (WP-73) Mon 30.03.15 20 wks
- 4.2.18 - Mon 17.08.15 1 dy?

- 4.3 XT D2 (SASE1) (Undu) Wed 02.01.13 606 dys?
- 4.3.1 installing basic XT D2 safety infrastructure (WP36) Wed 02.01.13 3 dys

Line 689:

4.3.2.4 survey 2nd passage XT D2 Thu 21.02.13 10 dys
4.3.2.5 installation of XT D2 survey rail (WP33 - ZM5) Mon 21.01.13 15 dys
- 4.3.3 XT D2 Infrastructure Installation (WP34) Mon 01.07.13 140 dys?

+ 4.2.4.2 ? Baustrom kompletieren (MKK/Fa. Wille) Tue 06.08.13 17 dys
+ 4.2.4.3 ? Fußbodenreinigung Tue 06.08.13 1 dy
+ 4.2.4.4 ? Reinigung Tunnelwände Tue 06.08.13 3 dys
+ 4.2.4.5 ? installing grounding trail Tue 06.08.13 15 dys
+ 4.2.5 (+) XT D1 Infrastructure Installation (WP34) Mon 01 12.14 150 dys
+ 4.2.5.1 (+) (duration as in WP34scheme12-08-17: 1.Dec.14 to 31.Mar.15) Mon 01 12.14 86 dys
+ 4.2.5.2 ? High Power Supplies Mon 01 12.14 100 dys
+ 4.2.5.3 ? Water Cooling & Compressed Air Mon 01 12.14 150 dys
+ 4.2.5.4 ? Heating, Ventilation & Air Conditioning Mon 01 12.14 100 dys
+ 4.2.5.5 ? Process Control and Instrumentation Mon 01 12.14 100 dys
+ 4.2.5.6 ? Protection & Safety Systems Mon 01 12.14 50 dys
+ 4.2.5.7 (+) ? IT Systems XTID1 Mon 01.12.14 30 dys
+ 4.2.6 Personnel Interlock (WP-38) Mon 01 12.14 40 dys?
+ 4.2.7 DAQ installation (SASE2) - (see below) Wed 13.05.15 120 dys
+ 4.2.8 (1) Machine Installation Mon 18.05.15 120 dys?
+ 4.2.8.1 (1) EB magnets sase2 Mon 18.05.15 50 dys?
+ 4.2.8.2 (1) intersections Mon 27.07.15 50 dys?
+ 4.2.8.3 (1) EB Vac sase2 Mon 05.10.15 20 dys?
+ 4.2.9 (1) Undulators (SASE2) Mon 02.11.15 80 dys
+ 4.2.9.1 (1) Undulator roll in (SASE2) Mon 02.11.15 1 mon
+ 4.2.9.2 (1) Undulator Alignment (SASE2) Mon 30.11.15 1 mon
+ 4.2.9.3 (1) Undulator Test of Contr.Syst. (SASE2) Mon 28.12.15 2 mons
+ 4.2.10 (1) ??? Machine test & commissioning XT D1 Mon 22.02.16 10 dys
+ 4.2.11 (+) PBL SASE2 Installation (XTD1/XS2) (WP-73) Tue 31.03.15 20 wks
+ 4.2.12 - Tue 18.08.15 1 dy?
4.3 XT D2 (SASE1) (Undu) Wed 02.01.13 606 dys?
4.3.1 installing basic XT D2 safety infrastructure (WP36) Wed 02.01.13 3 dys

Line 701:

4.3.2.4 survey 2nd passage XT D2 Thu 21.02.13 10 dys
4.3.2.5 installation of XT D2 survey rail (WP33 - ZM5) Mon 21.01.13 15 dys
+ 4.3.3 ? XT D2 first installations and preparations Thu 07.03.13 27 dys

- 4.3.3.1 (start-end duration derived from WP-34-plan) Mon 01.07.13 132 dys	+ 4.3.3.1 ? installing main light (MKK/Fa. Bellut) Thu 07.03.13 27 dys
- 4.3.3.2 ("duration as is "excel-list") Mon 01.07.13 132 dys	+ 4.3.3.2 ? Baustrom kompletieren (MKK/Fa. Wille) Thu 07.03.13 17 dys
- 4.3.3.3 Cable Trays XTD2 Mon 01.07.13 30 dys	+ 4.3.3.3 ? Fußbodenreinigung Thu 07.03.13 1 dy
- 4.3.3.4 Power Supplies & High Power Supplies Mon 01.07.13 1 dy?	+ 4.3.3.4 ? Reinigung Tunnelwände Thu 07.03.13 3 dys
- 4.3.3.5 Water Cooling & Compressed Air Mon 01.07.13 140 dys	+ 4.3.3.5 ? installing grounding trail Thu 07.03.13 15 dys
- 4.3.3.6 Heating, Ventilation and Air Conditioning Mon 01.07.13 70 dys	+ 4.3.4 XTD2 Infrastructure Installation (WP34) Mon 01.07.13 140 dys?
- 4.3.3.7 Process Control and Instrumentation Mon 01.07.13 100 dys	+ 4.3.4.1 (duration as in WP34scheme12-08-17: 1.Jul.13 to 31.Dec.13) Mon 01.07.13 132 dys
- 4.3.3.8 Protections and Safety Systems Mon 01.07.13 50 dys	+ 4.3.4.2 ? High Power Supplies Mon 01.07.13 1 dy?
- 4.3.4 Personnel Interlock (WP-38) Mon 09.09.13 40 dys?	+ 4.3.4.3 ? Water Cooling & Compressed Air Mon 01.07.13 140 dys
- 4.3.5 DAQ Installation (SASE1) - (see below) Mon 29.09.14 120 dys	+ 4.3.4.4 ? Heating Ventilation and Air Conditioning Mon 01.07.13 70 dys
- 4.3.6 Machine Installation Mon 13.01.14 5 mons	+ 4.3.4.5 ? Process Control and Instrumentation Mon 01.07.13 100 dys
- 4.3.7 EB magnets sase1 Mon 13.01.14 50 dys?	+ 4.3.4.6 ? Protections and Safety Systems Mon 01.07.13 50 dys
- 4.3.8 Intersections sase1 Mon 23.06.14 50 dys?	+ 4.3.4.7 ? IT Systems XTD2 Mon 01.07.13 30 dys
- 4.3.9 EB vac sase1 Mon 01.09.14 20 dys?	+ 4.3.5 Personnel Interlock (WP-38) Mon 09.09.13 40 dys?
- 4.3.10 Undulators (SASE1) Thu 25.12.14 1 mon	+ 4.3.6 DAQ Installation (SASE1) - (see below, minimal syst.) Mon 29.09.14 120 dys
- 4.3.11 Undulator Alignment (SASE1) Thu 22.01.15 1 mon	+ 4.3.7 Machine Installation Wed 01.01.14 193 dys?
- 4.3.12 Undulator Test of Control Syst. (SASE1) Thu 19.02.15 2 mons	+ 4.3.7.1 EB magnets sase1 Wed 01.01.14 50 dys?
- 4.3.13 Machine test & commissioning XTD2 Thu 16.04.15 10 dys	+ 4.3.7.2 Intersections sase1 Mon 23.06.14 50 dys?
- 4.3.14 PBL SASE1 Inst. (XTD2/XS3) (WP-73) Mon 27.01.14 30 wks	+ 4.3.7.3 EB vac sase1 Mon 01.09.14 20 dys?
- 4.3.15 - Mon 25.08.14 1 dy	+ 4.3.8 Undulators (SASE1) Thu 25.12.14 80 dys
- 4.4 XTD3 (u1) Mon 29.04.13 650 dys?	+ 4.3.8.1 Undulator roll in (SASE2) Thu 25.12.14 1 mon
- 4.4.1 initial survey (WP32) Mon 29.04.13 30 dys	+ 4.3.8.2 Undulator Alignment (SASE1) Thu 22.01.15 1 mon
- 4.4.1.1 XTD3 reserved for survey Mon 29.04.13 30 dys	+ 4.3.8.3 Undulator Test of Control Syst. (SASE1) Thu 19.02.15 2 mons
- 4.4.1.2 installing reference grid U1 Mon 29.04.13 5 dys	+ 4.3.9 ??? Machine test & commissioning XTD2 Thu 16.04.15 10 dys
- 4.4.1.3 surveying & defining reference grid U1 Mon 06.05.13 10 dys	+ 4.3.10 PBL SASE1 Inst. (XTD2/XS3) (WP-73) Wed 15.01.14 30 wks
- 4.4.1.4 stake out U1 Mon 20.05.13 15 dys	+ 4.3.11 - Wed 13.08.14 1 dy
- 4.4.2 XTD3 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?	+ 4.4 XTD3 (u1) Fri 21.06.13 613 dys?
- 4.4.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?	+ 4.4.1 ?? Installing basic XTD3 safety infrastructure (WP36) Fri 21.06.13 3 dys
- 4.4.2.2 ("duration as in "excel-list") Mon 03.11.14 43 dys	+ 4.4.2 ?? initial survey (WP32) Wed 26.06.13 30 dys
- 4.4.2.3 Cable Trays XTD3 Mon 03.11.14 30 dys	+ 4.4.2.1 XTD3 reserved for survey Wed 26.06.13 30 dys

- 4.4.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys	+ 4.4.2.2 installing reference grid U1 Wed 26.06.13 5 dys
- 4.4.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys	+ 4.4.2.3 surveying & defining reference grid U1 Wed 03.07.13 10 dys
- 4.4.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys	+ 4.4.2.4 stake out U1 Wed 17.07.13 15 dys
- 4.4.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys	+ 4.4.3 XT D3 Infrastructure Installation (WP34) Wed 01.04.15 150 dys
- 4.4.2.8 Protections and Safety Systems Mon 03.11.14 50 dys	+ 4.4.3.1 (duration as in WP34scheme12-08-17: 1. Apr. 15 to 31. May 15) Wed 01.04.15 43 dys
- 4.4.3 Personnel Interlock (WP-38) Mon 12.01.15 40 dys?	+ 4.4.3.2 ? High Power Supplies Wed 01.04.15 100 dys
- 4.4.4 Machine Installation Mon 01.06.15 5 mons	+ 4.4.3.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
- 4.4.5 Machine test & commissioning XT D3 Mon 19.10.15 5 dys	+ 4.4.3.4 ? Heating, Ventilation and Air Conditioning Wed 01.04.15 100 dys
- 4.4.6 - Fri 23.10.15 1 dy	+ 4.4.3.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
- 4.5 XT D4 (SASE3) (Uindu) Wed 17.04.13 599 dys?	+ 4.4.3.6 ? Protections and Safety Systems Wed 01.04.15 50 dys
- 4.5.1 initial survey XT D4 (WP32) Wed 17.04.13 18 dys	+ 4.4.3.7 ? IT Systems XTID3 Wed 01.04.15 30 dys
- 4.5.1.1 establish reference grid XT D4 Wed 17.04.13 3 dys	+ 4.4.4 Personnel Interlock (WP-38) Wed 10.06.15 40 dys?
- 4.5.1.2 set marks for survey rail Mon 22.04.13 1 dy	+ 4.4.5 Machine Installation Mon 01.06.15 5 mons
- 4.5.1.3 survey 1st passage XT D4 Tue 23.04.13 10 dys	+ 4.4.6 ??? Machine test & commissioning XT D3 Mon 19.10.15 5 dys
- 4.5.1.4 survey 2nd passage XT D4 Tue 07.05.13 4 dys	+ 4.4.7 - Fri 23.10.15 1 dy
- 4.5.1.5 installation of XT D4 survey rail (WP33 - ZM5) Thu 25.04.13 6 dys	+ 4.5 XT D4 (SASE3) (Uindu) Mon 12.11.12 711 dys?
- 4.5.2 Infrastructure Installation XT D4 (WP34) Mon 03.03.14 140 dys?	+ 4.5.1 ?? installing basic XT D4 safety infrastructure (WP36) Mon 12.11.12 3 dys
- 4.5.2.1 (start-end duration derived from WP-34 plan) Mon 03.03.14 130 dys	+ 4.5.2 initial survey XT D4 (WP32) Tue 06.08.13 18 dys
- 4.5.2.2 "(duration as in "excel-list")" Mon 03.03.14 130 dys	+ 4.5.2.1 establish reference grid XT D4 Tue 06.08.13 3 dys
- 4.5.2.3 Cable Trays XT D4 Mon 03.03.14 30 dys	+ 4.5.2.2 set marks for survey rail Fri 09.08.13 1 dy
- 4.5.2.4 Power Supplies & High Power Supplies Mon 03.03.14 1 dy?	+ 4.5.2.3 survey 1st passage XT D4 Mon 12.08.13 10 dys
- 4.5.2.5 Water Cooling and Compressed Air Mon 03.03.14 140 dys	+ 4.5.2.4 survey 2nd passage XT D4 Mon 26.08.13 4 dys
- 4.5.2.6 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys	+ 4.5.2.5 installation of XT D4 survey rail (WP33 - ZM5) Wed 14.08.13 6 dys
- 4.5.2.7 Process Control and Instrumentation Mon 03.03.14 100 dys	+ 4.5.3 Infrastructure Installation XT D4 (WP34) Mon 03.03.14 140 dys?
- 4.5.2.8 Protections and Safety Systems Mon 03.03.14 50 dys	+ 4.5.3.1 (duration as in WP34scheme12-08-17: 1. Mar. 14 to 31. Aug. 14) Mon 03.03.14 130 dys
- 4.5.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?	+ 4.5.3.2 ? High Power Supplies Mon 03.03.14 1 dy?
- 4.5.4 DAQ Installation (SASE3) - (see below) Mon 14.04.14 120 dys	+ 4.5.3.3 ? Water Cooling and Compressed Air Mon 03.03.14 140 dys
- 4.5.5 Machine Installation Mon 29.09.14 5 mons	+ 4.5.3.4 ? Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
- 4.5.6 EB magnets sase3 Mon 29.09.14 50 dys?	+ 4.5.3.5 ? Process Control and Instrumentation Mon 03.03.14 100 dys

- 4.5.7 intersections sase3 Mon 22.12.14 50 dys?	+ 4.5.3.6 ? Protections and Safety Systems Mon 03.03.14 50 dys
- 4.5.8 EB vac sase3 Mon 02.03.15 20 dys?	+ 4.5.3.7 ? IT Systems XTD4 Mon 03.03.14 30 dys
- 4.5.9 Undulator (SASE3) Mon 30.03.15 1 mon	+ 4.5.4 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
- 4.5.10 Undulator Alignment (SASE3) Mon 27.04.15 1 mon	+ 4.5.5 DAQ Installation (SASE3) - (see below) Mon 14.04.14 120 dys
- 4.5.11 Undulator Test of Contr. Syst. (SASE3) Mon 25.05.15 2 mons	+ 4.5.6 Machine Installation Mon 15.09.14 140 dys?
- 4.5.12 Machine test & commissioning XTD4 Mon 20.07.15 10 dys	+ 4.5.6.1 EB magnets sase3 Mon 15.09.14 50 dys?
- 4.5.13 - Mon 03.08.15 1 dy	+ 4.5.6.2 intersections sase3 Mon 22.12.14 50 dys?
- 4.6 XTD5 (u2) Mon 29.04.13 630 dys?	+ 4.5.6.3 EB vac sase3 Mon 02.03.15 20 dys?
- 4.6.1 initial survey (WP32) Mon 29.04.13 30 dys	+ 4.5.7 Undulator (SASE3) Mon 30.03.15 80 dys
- 4.6.1.1 XTD5 reserved for survey Mon 29.04.13 30 dys	+ 4.5.7.1 Undulator roll in (SASE3) Mon 30.03.15 1 mon
- 4.6.1.2 installing reference grid U2 Mon 29.04.13 5 dys	+ 4.5.7.2 Undulator Alignment (SASE3) Mon 27.04.15 1 mon
- 4.6.1.3 surveying & defining reference grid U2 Mon 06.05.13 10 dys	+ 4.5.7.3 Undulator Test of Contr. Syst. (SASE3) Mon 25.05.15 2 mons
- 4.6.1.4 staking out beamlines U2 Mon 20.05.13 15 dys	+ 4.5.8 ??? Machine test & commissioning XTD4 Mon 20.07.15 10 dys
- 4.6.2 XTD5 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?	+ 4.5.9 - Mon 03.08.15 1 dy
- 4.6.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?	+ 4.6 (+) XTD5 (u2) Fri 21.06.13 656 dys?
- 4.6.2.2 ("duration as in "excel-11st") Mon 03.11.14 107 dys	+ 4.6.1 ?? installing basic XTD5 safety infrastructure (WP36) Fri 21.06.13 3 dys
- 4.6.2.3 Cable Trays XTD5 Mon 03.11.14 30 dys	+ 4.6.2 ?? initial survey (WP32) Wed 26.06.13 30 dys
- 4.6.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys	+ 4.6.2.1 XTD5 reserved for survey Wed 26.06.13 30 dys
- 4.6.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys	+ 4.6.2.2 installing reference grid U2 Wed 26.06.13 5 dys
- 4.6.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys	+ 4.6.2.3 surveying & defining reference grid U2 Wed 03.07.13 10 dys
- 4.6.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys	+ 4.6.2.4 staking out beamlines U2 Wed 17.07.13 15 dys
- 4.6.2.8 Protections and Safety Systems Mon 03.11.14 50 dys	+ 4.6.3 (+) XTD5 Infrastructure Installation (WP34) Wed 01.04.15 150 dys
- 4.6.3 Personnel Interlock (WP-38) Mon 12.01.15 40 dys?	+ 4.6.3.1 (+) (duration as in WP34scheme12-08-17: 1.Apr.15 to 31.Aug.15) Wed 01.04.15 108 dys
- 4.6.4 Machine Installation XTD5 Mon 01.06.15 4 mons	+ 4.6.3.2 ? High Power Supplies Wed 01.04.15 100 dys
- 4.6.5 Machine test & commissioning XTD5 Mon 21.09.15 5 dys	+ 4.6.3.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
- 4.6.6 - Fri 25.09.15 1 dy	+ 4.6.3.4 ? Heating, Ventilation and Air Conditioning Wed 01.04.15 100 dys
- 4.7 (+) XTD6 (SASE2) for (MID/HED) Mon 29.04.13 696 dys?	+ 4.6.3.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
- 4.7.1 initial survey (WP32) Mon 29.04.13 100 dys	+ 4.6.3.6 ? Protections and Safety Systems Wed 01.04.15 50 dys
- 4.7.1.1 XTD6 reserved for survey Mon 29.04.13 100 dys	+ 4.6.3.7 ? IT Systems XTD5 Wed 01.04.15 30 dys
- 4.7.1.2 installing reference grid XTD6 Mon 29.04.13 5 dys	+ 4.6.4 Personnel Interlock (WP-38) Wed 10.06.15 40 dys?

- 4.7.1.3 surveying & defining reference grid XTD6 Mon 06.05.13 10 dys	+ 4.6.5 (+) Machine Installation XTD5 Mon 31.08.15 4 mons
- 4.7.1.4 staking out beamlines XTD6 Mon 20.05.13 15 dys	+ 4.6.6 (+) Machine test & commissioning XTD5 Mon 21.12.15 5 dys
- 4.7.2 XTD6 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?	+ 4.6.7 (+) - Fri 25.12.15 1 dy
- 4.7.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?	+ 4.7 (I) XTD6 (SASE2) for (MID/HED) Fri 21.06.13 692 dys?
- 4.7.2.2 "(duration as in "excel-list")" Mon 03.11.14 107 dys	+ 4.7.1 ?? installing basic XTD6 safety infrastructure (WP36) Fri 21.06.13 dys
- 4.7.2.3 Cable Trays XTD6 Mon 03.11.14 30 dys	+ 4.7.2 ?? initial survey (WP32) Wed 26.06.13 100 dys
- 4.7.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys	+ 4.7.2.1 XTD6 reserved for survey Wed 26.06.13 100 dys
- 4.7.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys	+ 4.7.2.2 installing reference grid XTD6 Wed 26.06.13 5 dys
- 4.7.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys	+ 4.7.2.3 surveying & defining reference grid XTD6 Wed 03.07.13 10 dys
- 4.7.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys	+ 4.7.2.4 staking out beamlines XTD6 Wed 17.07.13 15 dys
- 4.7.2.8 Protections and Safety Systems Mon 03.11.14 50 dys	+ 4.7.3 (I) XTD6 Infrastructure Installation (WP34) Wed 01.04.15 150 dys
- 4.7.3 Personnel Interlock (WP-38) Mon 03.11.14 40 dys?	+ 4.7.3.1 (I) (duration as in WP34scheme12-08-17: 1.Apr.15 to 31.Aug.15) Wed 01.04.15 108 dys
- 4.7.4 DAQ Installation (SASE2) - (see below) Mon 15.12.14 120 dys	+ 4.7.3.2 ? High Power Supplies Wed 01.04.15 100 dys
- 4.7.5 (+) PBL SASE2 Installation (XTD6) (WP-73) Mon 27.07.15 20 wks	+ 4.7.3.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
- 4.7.6 PB diag Mon 01.06.15 60 dys?	+ 4.7.3.4 ? Heating, Ventilation and Air Conditioning Wed 01.04.15 100 dys
- 4.7.7 (+) PB tests and commissioning Mon 14.12.15 10 dys	+ 4.7.3.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
- 4.7.8 (+) - Mon 28.12.15 1 dy	+ 4.7.3.6 ? Protection and Safety Systems Wed 01.04.15 50 dys
- 4.8 XTD7 Mon 29.04.13 545 dys?	+ 4.7.3.7 (I) ? IT Systems XTD6 Wed 01.04.15 30 dys
- 4.8.1 initial survey (WP32) Mon 29.04.13 20 dys	+ 4.7.4 ? Personnel Interlock (WP-38) Wed 01.04.15 40 dys?
- 4.8.1.1 XTD7 reserved for survey ? Mon 29.04.13 20 dys	+ 4.7.5 DAQ Installation (SASE2) - (see below) Wed 13.05.15 120 dys
- 4.8.1.2 mounting of reference marks Mon 29.04.13 1 dy	+ 4.7.6 (I) PBL SASE2 Installation (XTD6) (WP-73) Mon 14.09.15 20 wks
- 4.8.1.3 1st passage Tue 30.04.13 5 dys	+ 4.7.7 PB diag Mon 31.08.15 60 dys?
- 4.8.1.4 2nd passage Tue 07.05.13 3 dys	+ 4.7.8 (I) PB tests and commissioning Mon 01.02.16 10 dys
- 4.8.2 XTD7 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?	+ 4.7.9 (I) - Mon 15.02.16 1 dy
- 4.8.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?	+ 4.8 XTD7 Fri 21.06.13 613 dys?
- 4.8.2.2 "(duration as in "excel-list")" Mon 03.11.14 107 dys	+ 4.8.1 ?? Installing basic XTD7 safety infrastructure (WP36) Fri 21.06.13 dys
- 4.8.2.3 Cable Trays XTD3 Mon 03.11.14 30 dys	+ 4.8.2 ?? initial survey (WP32) Wed 26.06.13 20 dys
- 4.8.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys	+ 4.8.2.1 XTD7 reserved for survey ? Wed 26.06.13 20 dys
- 4.8.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys	+ 4.8.2.2 mounting of reference marks Wed 26.06.13 1 dy

- 4.8.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 1 00 dys	+ 4.8.2.3 1st passage Thu 27.06.13 5 dys
- 4.8.2.7 Process Control and Instrumentation Mon 03.11.14 1 00 dys	+ 4.8.2.4 2nd passage Thu 04.07.13 3 dys
- 4.8.2.8 Protections and Safety Systems Mon 03.11.14 50 dys	+ 4.8.3 XT D7 Infrastructure Installation (WP34) Wed 01.04.15 150 dys
- 4.8.3 ? Personnel Interlock (WP-38) Mon 12.01.15 1 dy?	+ 4.8.3.1 (duration as in WP34scheme12-08-17: 1.Apr.15 to 31.Aug.15) Wed 01.04.15 107 dys
- 4.8.4 Tests & Commissioning Tue 13.01.15 10 dys	+ 4.8.3.2 ? High Power Supplies Wed 01.04.15 100 dys
- 4.8.5 - Tue 27.01.15 1 dy?	+ 4.8.3.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
- 4.9 XT D8 Thu 01.03.12 847 dys?	+ 4.8.3.4 ? Heating Ventilation and Air Conditioning Wed 01.04.15 100 dys
- 4.9.1 initial survey (WP32) Thu 01.03.12 23 dys	+ 4.8.3.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
- 4.9.1.1 XT D8 reserved for survey ? Thu 01.03.12 20 dys	+ 4.8.3.6 ? Protection and Safety Systems Wed 01.04.15 50 dys
- 4.9.1.2 mounting of reference marks Thu 01.03.12 4 dys	+ 4.8.3.7 ? IT Systems XT D7 Wed 01.04.15 30 dys
- 4.9.1.3 1st passage Wed 07.03.12 12 dys	+ 4.8.4 ? Personnel Interlock (WP-38) Wed 10.06.15 1 dy?
- 4.9.1.4 2nd passage Fri 23.03.12 7 dys	+ 4.8.5 ??? Tests & Commissioning Thu 11.06.15 10 dys
- 4.9.2 XT D8 Infrastructure Installation (WP34) Mon 03.11.14 150 dys?	+ 4.8.6 - Thu 25.06.15 1 dy?
- 4.9.2.1 (start-end duration derived from WP-34-plan) Mon 03.11.14 1 dy?	+ 4.9 XT D8 Fri 21.06.13 613 dys?
- 4.9.2.2 (" duration as in "excel-list")" Mon 03.11.14 107 dys	+ 4.9.1 ?? Installing basic XT D8 safety infrastructure (WP36) Fri 21.06.13 3 dys
- 4.9.2.3 Cable Trays XT D3 Mon 03.11.14 30 dys	+ 4.9.2 ?? initial survey (WP32) Wed 26.06.13 23 dys
- 4.9.2.4 Power Supplies & High Power Supplies Mon 03.11.14 100 dys	+ 4.9.2.1 XT D8 reserved for survey ? Wed 26.06.13 20 dys
- 4.9.2.5 Water Cooling and Compressed Air Mon 03.11.14 150 dys	+ 4.9.2.2 mounting of reference marks Wed 26.06.13 4 dys
- 4.9.2.6 Heating, Ventilation and Air Conditioning Mon 03.11.14 100 dys	+ 4.9.2.3 1st passage Tue 02.07.13 12 dys
- 4.9.2.7 Process Control and Instrumentation Mon 03.11.14 100 dys	+ 4.9.2.4 2nd passage Thu 18.07.13 7 dys
- 4.9.2.8 Protections and Safety Systems Mon 03.11.14 50 dys	+ 4.9.3 XT D8 Infrastructure Installation (WP34) Wed 01.04.15 150 dys
- 4.9.3 ? Personnel Interlock (WP-38) Mon 12.01.15 1 dy?	+ 4.9.3.1 (duration as in WP34scheme12-08-17: 1.Apr.15 to 31.Aug.15) Wed 01.04.15 107 dys
- 4.9.4 Tests & commissioning Tue 13.01.15 10 dys	+ 4.9.3.2 ? High Power Supplies Wed 01.04.15 100 dys
- 4.9.5 - Tue 27.01.15 1 dy?	+ 4.9.3.3 ? Water Cooling and Compressed Air Wed 01.04.15 150 dys
- 4.10 XT D9 (SASE1) for (SPB/FXE) Tue 18.09.12 735 dys?	+ 4.9.3.4 ? Heating Ventilation and Air Conditioning Wed 01.04.15 100 dys
- 4.10.1 Initial survey (WP32) Tue 18.09.12 100 dys	+ 4.9.3.5 ? Process Control and Instrumentation Wed 01.04.15 100 dys
- 4.10.1.1 XT D9 reserved for survey Tue 18.09.12 100 dys	+ 4.9.3.6 ? Protections and Safety Systems Wed 01.04.15 50 dys
- 4.10.1.2 installing reference grid XT D9 Tue 18.09.12 5 dys	+ 4.9.3.7 ? IT Systems XT D8 Wed 01.04.15 30 dys
- 4.10.1.3 surveying & defining reference grid XT D9 Tue 25.09.12 10 dys	+ 4.9.4 ? Personnel Interlock (WP-38) Wed 10.06.15 1 dy?

- 4.10.1.4 staking out beamlines XT D9 Tue 09.10.12 15 dys	+ 4.9.5 ??? Tests & commissioning Thu 11.06.15 10 dys
- 4.10.2 XT D9 Infrastructure Installation (WP34) Mon 03.03.14 140 dys?	+ 4.9.6 - Thu 25.06.15 1 dy?
- 4.10.2.1 (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys	+ 4.10 XT D9 (SASE1) for (SPB/FXE) Mon 12.11.12 686 dys?
- 4.10.2.2 "(duration as is ""excel-list"")" Mon 03.03.14 130 dys	+ 4.10.1 ?? Installing basic XTID9 safety infrastructure (WP36) Mon 12.11.12 3 dys
- 4.10.2.3 Cable Trays XTID9 Mon 03.03.14 30 dys	+ 4.10.2 ?? Initial survey (WP32) Tue 06.08.13 100 dys
- 4.10.2.4 Power Supplies & High Power Supplies Mon 03.03.14 1 dy?	+ 4.10.2.1 XT D9 reserved for survey Tue 06.08.13 100 dys
- 4.10.2.5 Water Cooling and Compressed Air Mon 03.03.14 140 dys	+ 4.10.2.2 installing reference grid XT D9 Tue 06.08.13 5 dys
- 4.10.2.6 Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys	+ 4.10.2.3 surveying & defining reference grid XT D9 Tue 13.08.13 10 dys
- 4.10.2.7 Process Control and Instrumentation Mon 03.03.14 100 dys	+ 4.10.2.4 staking out beamlines XT D9 Tue 27.08.13 15 dys
- 4.10.2.8 Protections and Safety Systems Mon 03.03.14 50 dys	+ 4.10.3 XT D9 Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
- 4.10.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?	+ 4.10.3.1 (duration as in WP34scheme12-08-17: 1.Mar.14 to 31.Aug.14) Mon 03.03.14 130 dys
- 4.10.4 DAQ Installation (SASE1) - (see below) Mon 29.09.14 120 dys	+ 4.10.3.2 ? High Power Supplies Mon 03.03.14 1 dy?
- 4.10.5 PBL SASE1 Installation (XT D9) (WP-73) Mon 29.09.14 39 wks	+ 4.10.3.3 ? Water Cooling and Compressed Air Mon 03.03.14 140 dys
- 4.10.6 PB diagnostics SASE1 (XT D9) (WP-74) Mon 15.09.14 60 dys?	+ 4.10.3.4 ? Heating, Ventilation and Air Conditioning Mon 03.03.14 70 dys
- 4.10.7 tests & Commissioning Mon 29.06.15 10 dys	+ 4.10.3.5 ? Process Control and Instrumentation Mon 03.03.14 100 dys
- 4.10.8 - Mon 13.07.15 1 dy?	+ 4.10.3.6 ? Protections and Safety Systems Mon 03.03.14 50 dys
- 4.11 (I) XT D10 (SASE3) for (SQS/SCS) Mon 13.05.13 631 dys?	+ 4.10.3.7 ? IT Systems XTID9 Mon 03.03.14 30 dys
- 4.11.1 initial survey XT D10 (WP32) Mon 13.05.13 16 dys	+ 4.10.4 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
- 4.11.1.1 establish reference grid XT D10 Mon 13.05.13 3 dys	+ 4.10.5 DAQ Installation (SASE1) - (see below) Mon 29.09.14 120 dys
- 4.11.1.2 set marks for survey rail Thu 16.05.13 1 dy	+ 4.10.6 PBL SASE1 Installation (XT D9) (WP-73) Mon 15.09.14 39 wks
- 4.11.1.3 survey 1st passage XT D10 Fri 17.05.13 9 dys	+ 4.10.7 PB diagnostics SASE1 (XT D9) (WP-74) Mon 01.09.14 60 dys?
- 4.11.1.4 survey 2nd passage XT D10 Thu 30.05.13 3 dys	+ 4.10.8 ??? tests & Commissioning Mon 15.06.15 10 dys
- 4.11.1.5 installation of XT D10 survey rail Tue 21.05.13 6 dys	+ 4.10.9 - Mon 29.06.15 1 dy?
- 4.11.2 (I) Infrastructure Installation (WP34) Mon 03.03.14 140 dys?	+ 4.11 (+) XT D10 (SASE3) for (SQS/SCS) Mon 12.11.12 751 dys?
- 4.11.2.1 (+) (start-end duration derived from WP-34-plan) Mon 03.03.14 130 dys	+ 4.11.1 ?? Installing basic XTID10 safety infrastructure (WP36) Mon 12.11.12 3 dys
- 4.11.2.2 (+) "(duration as in ""excel-list"")" Mon 03.03.14 130 dys	+ 4.11.2 initial survey XT D10 (WP32) Fri 30.08.13 16 dys
- 4.11.2.3 Cable Trays XTID10 Mon 03.03.14 30 dys	+ 4.11.2.1 establish reference grid XT D10 Fri 30.08.13 3 dys
- 4.11.2.4 Power Supplies & High Power Supplies Mon 03.03.14 1 dy?	+ 4.11.2.2 set marks for survey rail Wed 04.09.13 1 dy
- 4.11.2.5 (I) Water Cooling and Compressed Air Mon 03.03.14 140 dys	+ 4.11.2.3 survey 1st passage XT D10 Thu 05.09.13 9 dys

- 4.1.1.2.6 Heating Ventilation and Air Conditioning Mon 03.03.14 70 dys	+ 4.1.1.2.4 survey 2nd passage XTD10 Wed 18.09.13 3 dys
- 4.1.1.2.7 Process Control and Instrumentation Mon 03.03.14 100 dys	+ 4.1.1.2.5 installation of XTD10 survey rail Mon 09.09.13 6 dys
- 4.1.1.2.8 Protections and Safety Systems Mon 03.03.14 50 dys	+ 4.1.1.3 (+) Infrastructure Installation (WP34) Mon 03.03.14 140 dys?
- 4.1.1.3 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?	+ 4.1.1.3.1 (+) (duration as in WP34 scheme12-08-17: 1.Mar.14 to 31.Aug.14) Mon 03.03.14 130 dys
- 4.1.1.4 DAO Installation (SASE3) - (see below) Mon 14.04.14 120 dys	+ 4.1.1.3.2 ? Power Supplies & High Power Supplies Mon 03.03.14 1 dys?
- 4.1.1.5 (1) PBL SASE3 Installation (XTD10) (WP-73) Mon 29.09.14 52 wks	+ 4.1.1.3.3 ? Water Cooling and Compressed Air Mon 03.03.14 140 dys
- 4.1.1.6 PB diag sase3 Mon 15.09.14 60 dys?	+ 4.1.1.3.4 ? Heating Ventilation and Air Conditioning Mon 03.03.14 70 dys
- 4.1.1.7 (1) Tests & Commissioning Mon 28.09.15 10 dys	+ 4.1.1.3.5 ? Process Control and Instrumentation Mon 03.03.14 100 dys
- 4.1.1.8 (1) - Mon 12.10.15 1 dy?	+ 4.1.1.3.6 ? Protections and Safety Systems Mon 03.03.14 50 dys
- 4.1.2 Electron Path to XSDU1 (SASE2) Mon 03.06.13 655 dys	+ 4.1.1.3.7 ? IT Systems XTD10 Mon 03.03.14 30 dys
- 4.1.2.1 (x) SASE2 Electron Beam Line Civil Construction completed Mon 03.06.13	+ 4.1.1.4 Personnel Interlock (WP-38) Mon 12.05.14 40 dys?
- 4.1.2.2 (x) SASE2 Electron Beam Line Infrastructure Installation completed Fri 29.05.15	+ 4.1.1.5 DAO Installation (SASE3) - (see below) Mon 14.04.14 120 dys
- 4.1.2.3 (x) SASE2 Electron Beam Line Machine Installation Complete Fri 16.10.15	+ 4.1.1.6 (+) PBL SASE3 Installation (XTD10) (WP-73) Mon 15.09.14 52 wks
- 4.1.2.4 (x) SASE2 Electron Beam Line closed Fri 04.12.15	+ 4.1.1.7 PB diag sase3 Mon 01.09.14 60 dys?
- 4.1.3 Electron Path to XSDU2 (SASE1&3) Fri 30.11.12 696 dys	+ 4.1.1.8 (+) Tests & Commissioning Mon 14.09.15 10 dys
- 4.1.3.1 (x) SASE1/3 Electron Beam Line Civil Construction completed Fri 30.11.12	+ 4.1.1.9 (+) - Mon 28.09.15 1 dy?
- 4.1.3.2 (x) SASE1/3 Electron Beam Line Infrastructure Installation completed Fri 12.09.14	+ 4.1.2 Electron Path to XSDU1 (SASE2) Fri 21.06.13 706 dys
- 4.1.3.3 (x) SASE1/3 Electron Beam Line Machine Installation Complete Fri 13.02.15	+ 4.1.2.1 (x) SASE2 Electron Beam Line Civil Construction completed Fri 21.06.13
- 4.1.3.4 (x) SASE1/3 Electron Beam Line closed Fri 31.07.15	+ 4.1.2.2 (x) SASE2 Electron Beam Line Infrastructure Installation completed Fri 28.08.15
- 4.1.4 SASE1 Photons in XHEXP1 Mon 22.08.11 1152 dys?	+ 4.1.2.3 (x) SASE2 Electron Beam Line Machine Installation Complete Fri 18.12.15
- 4.1.4.1 (x) SASE1 Photon Beam Line Civil Construction Completed Fri 30.11.12	+ 4.1.2.4 (x) SASE2 Electron Beam Line closed Fri 04.03.16
	+ 4.1.3 Electron Path to XSDU2 (SASE1&3) Mon 12.11.12 710 dys
	+ 4.1.3.1 (x) SASE1/3 Electron Beam Line Civil Construction completed Mon 12.11.12
	+ 4.1.3.2 (x) SASE1/3 Electron Beam Line Infrastructure Installation completed Fri 29.08.14
	+ 4.1.3.3 (x) SASE1/3 Electron Beam Line Machine Installation Complete Fri 27.03.15
	- 4.1.3.4 (x) SASE1/3 Electron Beam Line closed Fri 31.07.15
	- 4.1.4 SASE1 Photons in XHEXP1 Mon 22.08.11 1152 dys?
	- 4.1.4.1 (x) SASE1 Photon Beam Line Civil Construction Completed Mon 12.11.12

- 4.1.4.2 SASE1 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?
- 4.1.4.3 SASE1 Photon Beam Line Installation completed Mon 22.08.11 1 dy?
- 4.1.4.4 SASE1 Photon Beam Line closed Mon 22.08.11 1 dy?
- 4.1.4.5 (x) First SASE1 Photons in XHEXP1 Wed 20.01.16
- 4.1.5 SASE2 Photons in XHEXP1 Mon 22.08.11 **1167** dys?
- 4.1.5.1 (x) SASE2 Photon Beam Line Civil Construction Completed **Mon 03.06.13**
- 4.1.5.2 SASE2 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?
- 4.1.5.3 SASE2 Photon Beam Line Installation completed Mon 22.08.11 1 dy?
- 4.1.5.4 SASE2 Photon Beam Line closed Mon 22.08.11 1 dy?
- 4.1.5.5 (x) First SASE2 Photons in XHEXP1 Tue **09.02.16**
- 4.1.6 SASE3 Photons in XHEXP1 Mon 22.08.11 1152 dys?
- 4.1.6.1 (x) SASE3 Photon Beam Line Civil Construction Completed **Fri 30.11.12**
- 4.1.6.2 SASE3 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?
- 4.1.6.3 SASE3 Photon Beam Line Installation completed Mon 22.08.11 1 dy?

Line 905:

- 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 **XHEXP Infrastructure Installation above ground Mon 02.06.14 110** dys
- 5.1.3 (i) XHEXP Infrastructure Installation **underground** Mon 03.03.14 150 dys?
- 5.1.3.1 "(duration as is "**excel-list**" "**down**")" Mon 03.03.14 107 dys
- 5.1.3.2 Cable Trays (XHEXP) Mon 03.03.14 30 dys
- 5.1.3.2.1 cable trays on experiments level Mon 03.03.14 30 dys
- 5.1.3.2.2 cable trays on 1st gallery level (**XHEXP-UG01-028/030/038**) Mon 03.03.14 30 dys
- 5.1.3.2.3 cable trays on **2nd** gallery level Mon 03.03.14 30 dys

- 4.1.4.2 SASE1 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?
- 4.1.4.3 SASE1 Photon Beam Line Installation completed Mon 22.08.11 1 dy?
- 4.1.4.4 SASE1 Photon Beam Line closed Mon 22.08.11 1 dy?
- 4.1.4.5 (x) First SASE1 Photons in XHEXP1 Wed 20.01.16
- + 4.1.5 SASE2 Photons in XHEXP1 Mon 22.08.11 **1212** dys?
- + 4.1.5.1 (x) SASE2 Photon Beam Line Civil Construction Completed **Fri 21.06.13**
- 4.1.5.2 SASE2 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?
- 4.1.5.3 SASE2 Photon Beam Line Installation completed Mon 22.08.11 1 dy?
- 4.1.5.4 SASE2 Photon Beam Line closed Mon 22.08.11 1 dy?
- + 4.1.5.5 (x) First SASE2 Photons in XHEXP1 Tue **12.04.16**
- 4.1.6 SASE3 Photons in XHEXP1 Mon 22.08.11 1152 dys?
- + 4.1.6.1 (x) SASE3 Photon Beam Line Civil Construction Completed **Mon 12.11.12**
- 4.1.6.2 SASE3 Photon Beam Line Infrastructure Installation completed Mon 22.08.11 1 dy?
- 4.1.6.3 SASE3 Photon Beam Line Installation completed Mon 22.08.11 1 dy?

Line 924:

- 5 (*) Experiments Section Fri 21.06.13 877 dys?
- 5.1 (*) Experimental Hall XHEXP1 Fri 21.06.13 877 dys?
- + 5.1.1 **?? installing basic safety infrastructure XHEXP1 North (WP36)** Fri 21.06.13 **20** dys
- + 5.1.2 **?? initial survey (WP32)** Fri **19.07.13 30** dys
- + 5.1.3 (i) XHEXP / **XHVAC / XHPSC** Infrastructure Installation Mon 03.03.14 150 dys?
- + 5.1.3.1 (duration as in **WP34scheme12-08-17: 1.Mar.14 to 31.Aug.14**) Mon 03.03.14 107 dys
- 5.1.3.2 Cable Trays (XHEXP) Mon 03.03.14 30 dys
- + 5.1.3.2.1 cable trays on experiments level (**UG01-001 010/011**) XHEXP Mon 03.03.14 30 dys
- + 5.1.3.2.2 **cable trays on experiments level (UG01-001 007) XHEXP Mon 03.03.14 30 dys**
- + 5.1.3.2.3 cable trays on 1st gallery level (UG01-**002** 030/038) **XHEXP** Mon 03.03.14 30 dys

- 5.1.3.3 High Power Supplies Mon 03.03.14 1 00 dys?
- 5.1.3.3.1 power supplies on experiments level Mon 03.03.14 1 00 dys

Line 918:

5.1.3.3.3 power supplies on 2nd gallery level Mon 03.03.14 1 dy?
5.1.3.4 (!) Water Cooling and Compressed Air Mon 03.03.14 1 50 dys
- 5.1.3.4.1 Water Cooling on experiments level Mon 03.03.14 1 50 dys
- 5.1.3.4.2 (!) Water Cooling on 1st gallery level (XHEXP-U G01 -028/030/038) Mon 03.03.14 1 50 dys

- 5.1.3.5 Heating, Ventilation and Air Conditioning Mon 03.03.14 1 00 dys?
- 5.1.3.5.1 Heat. Vent. Air-cond. on experiments level Mon 03.03.14 1 00 dys

Line 930:

5.1.3.7.1 prot. And safe.syst. On experiments level Mon 03.03.14 50 dys
5.1.3.7.2 prot. And safe.syst on 1st gallery level Mon 03.03.14 1 dy?
- 5.1.3.8 IT Systems Mon 03.03.14 30 dys?
- 5.1.3.8.1 IT syst. on experiments level (XHEXP-UG01-001) Mon 03.03.14 30 dys
- 5.1.3.8.2 IT syst. on 1st gallery level (XHEXP-UG01-002) Mon 03.03.14 1 dy?
5.1.4 PBL front ends Mon 29.09.14 5 dys
5.1.4.1 PBL Installation SASE1 (XTD9) (XHEXP-UG01-010) (W-P-73) Mon 29.09.14 5 dys

Line 953:

- 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 29.09.14 355 dys
- 5.2.1 (!) DAQ for SASE1 (XHEXP-UG01-030/038)(XTD9)(XTD2) Mon 29.09.14 300 dys
- 5.2.1.1 (!) installation SASE1 minimal system Mon 29.09.14 120 dys
- 5.2.1.2 (!) installation SASE1 preoperational system Mon 16.03.15 6 mons
- 5.2.1.3 (!) installation SASE1 operational system Mon 31.08.15 3 mons

+ 5.1.3.2.4 cable trays on 1st gallery level (UG01-002 028/029) XHEXP Mon 03.03.14 30 dys
5.1.3.3 High Power Supplies Mon 03.03.14 1 00 dys?
5.1.3.3.1 power supplies on experiments level Mon 03.03.14 1 00 dys

Line 938:

5.1.3.3.3 power supplies on 2nd gallery level Mon 03.03.14 1 dy?
5.1.3.4 (!) Water Cooling and Compressed Air Mon 03.03.14 1 50 dys
+ 5.1.3.4.1 (!) Water Cooling on experiments level (UG01-001 010/011) XHEXP Mon 03.03.14 1 50 dys
+ 5.1.3.4.2 Water Cooling on experiments level (UG01-001 007) XHEXP Mon 03.03.14 1 50 dys
+ 5.1.3.4.3 (!) Water Cooling on 1st gallery level (UG01-002 030/038) XHEXP Mon 03.03.14 1 50 dys
+ 5.1.3.4.4 Water Cooling on 1st gallery level (UG01-002 028/029) XHEXP Mon 03.03.14 1 50 dys

- 5.1.3.5 Heating, Ventilation and Air Conditioning Mon 03.03.14 1 00 dys?
- 5.1.3.5.1 Heat. Vent. Air-cond. on experiments level Mon 03.03.14 1 00 dys

Line 952:

5.1.3.7.1 prot. And safe.syst. On experiments level Mon 03.03.14 50 dys
5.1.3.7.2 prot. And safe.syst on 1st gallery level Mon 03.03.14 1 dy?
+ 5.1.3.8 IT Systems Mon 03.03.14 30 dys
+ 5.1.3.8.1 IT syst. On experiments level Mon 03.03.14 30 dys
+ 5.1.3.8.2 IT syst. on 1st gallery level Mon 03.03.14 30 dys
5.1.4 PBL front ends Mon 29.09.14 5 dys
5.1.4.1 PBL Installation SASE1 (XTD9) (XHEXP-UG01-010) (W-P-73) Mon 29.09.14 5 dys

Line 975:

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 29.09.14 462 dys
5.2.1 (!) DAQ for SASE1 (XHEXP-UG01-030/038)(XTD9)(XTD2) Mon 29.09.14 300 dys
5.2.1.1 (!) installation SASE1 minimal system Mon 29.09.14 120 dys
5.2.1.2 (!) installation SASE1 preoperational system Mon 16.03.15 6 mons
5.2.1.3 (!) installation SASE1 operational system Mon 31.08.15 3 mons

-	5.2.2	DAQ for SASE2 (XHEXP-UG01-028)(XTD6)(XTD1)	Mon 15.12.14	300 dys
-	5.2.2.1 (+)	installation SASE2 minimal system	Mon 15.12.14	6 mons
-	5.2.2.2 (+)	installation SASE2 preoperational system	Mon 01.06.15	6 mons
-	5.2.2.3 (+)	installation SASE2 operational system	Mon 16.11.15	3 mons
5.2.3	DAQ for SASE3 (XHEXP-UG01-030)(XTD10)(XTD4)	Mon 29.09.14	300 dys	
5.2.3.1	installation SASE3 minimal system	Mon 29.09.14	6 mons	

Line 973:

5.3.5	SQS (SASE3)	Mon 06.07.15	100 dys
5.3.6	SCS (SASE3)	Mon 06.07.15	100 dys
-	6	Outgoing Mon 04.11.13	6.22 dys
6.1 (x)	(Toplevel-1)	Injector tunnel closed + ready for beam	Thu 01.05.14
6.2 (ix)	(Toplevel-2)	First beam to Injector Dump	Wed 14.01.15

Line 979:

6.4 (ix)	(Toplevel-4)	SASE1 Instruments ready for beam	Fri 20.11.15
6.5 (ix)	(Toplevel-5)	First beam to XS1 Dump (main dump)	Wed 20.01.16
-	6.6 (ix)	(Toplevel-6) XTD2, XTD4, XTD9, XTD10 closed	Mon 12.10.15
6.7 (ix)	(Toplevel-7)	First e-beam to XSDU2	Wed 20.01.16
6.8 (ix)	(Toplevel-8)	First Lasing SASE1 possible	Tue 23.02.16
-	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 Tue 09.02.16

6.11 (x)	(Toplevel-11)	SASE3 Instruments ready for beam	Fri 20.11.15
6.12 (ix)	(Toplevel-12)	First Lasing SASE3 possible	Tue 08.03.16
6.13 (x)	(Toplevel-13)	Start Operation	Tue 23.02.16
6.14 (x)	(Toplevel-14)	SASE1 Instruments users operation	Tue 23.02.16
-	6.15 (x)	(Toplevel-15) SASE2 Instruments ready for beam	Fri 05.02.16
-	6.16 (x)	(Toplevel-16) First Lasing SASE2 possible	Tue 22.03.16
6.17 (x)	(Toplevel-17)	SASE3 Instruments user operation	Tue 08.03.16
-	6.18 (x)	(Toplevel-18) SASE2 Instruments user operation	Tue 22.03.16
-	6.19 (x)	(Toplevel-19) Extended beam delivery	Tue 22.03.16
6.20 (x)	Main Linac Infrastructure installation is complete	Fri 10.01.14	
6.21 (x)	Module installation has started	Mon 04.11.13	

+	5.2.2 (U)	DAQ for SASE2 (XHEXP-UG01-028)(XTD6)(XTD1)	Wed 13.05.15	300 dys
+	5.2.2.1 (I)	installation SASE2 minimal system	Wed 13.05.15	6 mons
+	5.2.2.2 (I)	installation SASE2 preoperational system	Wed 28.10.15	6 mons
+	5.2.2.3 (I)	installation SASE2 operational system	Wed 13.04.16	3 mons
5.2.3	DAQ for SASE3 (XHEXP-UG01-030)(XTD10)(XTD4)	Mon 29.09.14	300 dys	
5.2.3.1	installation SASE3 minimal system	Mon 29.09.14	6 mons	

Line 995:

5.3.5	SQS (SASE3)	Mon 06.07.15	100 dys
5.3.6	SCS (SASE3)	Mon 06.07.15	100 dys
+	6	Outgoing Mon 04.11.13	7.07 dys
6.1 (x)	(Toplevel-1)	Injector tunnel closed + ready for beam	Thu 01.05.14
6.2 (ix)	(Toplevel-2)	First beam to Injector Dump	Wed 14.01.15

Line 1,001:

6.4 (ix)	(Toplevel-4)	SASE1 Instruments ready for beam	Fri 20.11.15
6.5 (ix)	(Toplevel-5)	First beam to XS1 Dump (main dump)	Wed 20.01.16
+	6.6 (+x)	(Toplevel-6) XTD2, XTD4, XTD9, XTD10 closed	Mon 28.09.15
6.7 (ix)	(Toplevel-7)	First e-beam to XSDU2	Wed 20.01.16
6.8 (ix)	(Toplevel-8)	First Lasing SASE1 possible	Tue 23.02.16
+	6.9 (ix)	(Toplevel-9) XTD1, XTD3, XTD5, XTD6, XTD7, XTD8 closed	Fri 04.03.16
+	6.10 (ix)	(Toplevel-10)	First e-beam to XSDU1 Fri 04.03.16

6.11 (x)	(Toplevel-11)	SASE3 Instruments ready for beam	Fri 20.11.15
6.12 (ix)	(Toplevel-12)	First Lasing SASE3 possible	Tue 08.03.16
6.13 (x)	(Toplevel-13)	Start Operation	Tue 23.02.16
6.14 (x)	(Toplevel-14)	SASE1 Instruments users operation	Tue 23.02.16
+	6.15 (ix)	(Toplevel-15) SASE2 Instruments ready for beam	Tue 05.07.16
+	6.16 (ix)	(Toplevel-16) First Lasing SASE2 possible	Tue 19.07.16
6.17 (x)	(Toplevel-17)	SASE3 Instruments user operation	Tue 08.03.16
+	6.18 (+x)	(Toplevel-18) SASE2 Instruments user operation	Tue 19.07.16
+	6.19 (x)	(Toplevel-19) Extended beam delivery	Tue 19.07.16
6.20 (x)	Main Linac Infrastructure installation is complete	Fri 10.01.14	
6.21 (x)	Module installation has started	Mon 04.11.13	