Q4 / 2012
Q1 / 2013
Q2 / 2013
Q3 / 2013
10
11
12
01
02
03
04
05
06
07
08
09
LRF planning
c4 structure testing 16-May-13
RFQ
simple LLRF with RF generator
3 weeks
LRF
complete LLRF with phase lock
2.2w
LRF
transport of RF window to 3 MeV test place
LRF
waveguide connection
LRF
RFQ commissioning
1.4 months
LRF
chopper line hardware commissioning
1 month
operation 3 MeV RF system
1 month
DTL
T1S2 Cu plating
2w
T1S2 drift tube installation
3 weeks
T3S1 drift tube installation
2w?
CCDTL
CCDTL module 2
survey of complete module w/o intertanks
2w
ABP-SU
intertank elements ready
installation intertanks + survey intertanks
2w
ABP-SU; LRF
global vacuum leak test + RGA complete module
VSC-IVM
bunker installation + RF calibration + bead pull
LRF
Installation of Linac4 type modulator in SM18
RF conditioning
1 month
LRF
RGA vacuum test
VSC-IVM; BINP
fill module with nitrogen and put into storage
VSC-IVM; HE-HH; LRF
CCDTL module 3
vacuum RGA + leak test
VSC-IVM
repair of leak on CC tuner port
LRF
survey
ABP-SU
intertank elements ready
installation intertanks + survey
2w
ABP-SU; LRF
global vacuum leak test + RGA complete module
VSC-IVM
bunker installation + RF calibration
LRF
RF conditioning
3 weeks
LRF
fill module with nitrogen and put into storage
VSC-IVM; HE-HH; LRF
installation in tunnel
HE-HH; LRF
CCDTL module 4
arrival of module 4,5
arrival of support 4,5
assembly + survey
1 month
BINP; LRF; ABP-SU; VSC-IVM
vacuum leak test + RGA complete module
VSC-IVM; BINP
bunker installation + RF calibration
LRF
RF conditioning
1 month
LRF
RGA vacuum test
fill module with nitrogen and put into storage
CCDTL module 5
assembly + survey
1 month
BINP; LRF; ABP-SU; VSC-IVM
vacuum leak test + RGA complete module
VSC-IVM
bunker installation + RF calibration
LRF
RF conditioning
3 weeks
CCDTL module 6
arrival module 6,7,1
arrival support 6,7,1
assembly + survey
3 weeks
vacuum leak test + RGA complete module
CCDTL module 7
assembly + survey
3 weeks
vacuum leak test + RGA complete module
CCDTL module 1
assembly + survey
3 weeks
vacuum leak test + RGA complete module
clear out SM18 CCDTL assembly area
1 month
PIMS
PIMS short module
vacuum tests on discs & rings
3w?
VSC-IVM
metrology short module
assembly short module
RF test short module
LRF
Collaboration meeting at CERN
Module 1
standard ring SPLACPMZ036 machined
1 month
standard ring SPLACPMZ036 cleaned & measured
2w
pick-up ring M_1-2 final machining & cleaning
2w
wave-guide ring M_7-8 final machining
wave-guide ring M_7-8 cleaning/brazing
2w
wave-guide ring M_7-8 measuring/test
central disc M_8-9 cleaning & measureing
2w
central disc M_6-7 cleaning & measuring
2w
Windows
First batch (8) constructed
RF peak power test of first batch
2 months
2nd batch (7) constructed
movable tuners
arrival of pre-series
Ikea test on buncher cavities in 3 MeV test stand
1 month
modification of 3+1 existing movable tuners to L4 standard
operation & maintenance
3 MeV test stand
stop of operations
test of chopper interlock
2w
installation, calibration and test of new pick-ups on bunche...
RF tests on buncher cavities (incl. LLRF with Philippe)
2w
REX ISOLDE
dismantling of REX amplifier
2w
opening of RFQ
Linac3
run
2.9 months