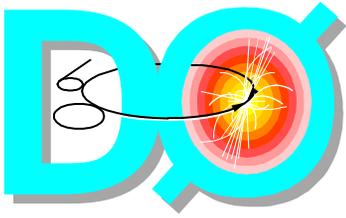


CTT Task List

Task	Duration	Qualification/comment	FTE	
Bench tests of backplane (BP), crate controller (CC), new DFEA (DFEB)	3 mo	Several separate tasks are part of upgrade project plan (UPP)	3 (1 Phys, 2 EE)	
Online software	DCL	3 mo (cf. UPP)	Ron Rechenmacher + Geoff Savage (each half-time over 3 months) + Oana	3 (1 Phys, 2 * 1/2CP)
	dfe_ware	3 mo	Oana will take over longterm support	2 (Yurii + Oana)
	cft_examine	3 mo	Needs input from (2 nd ?) CTT-2b expert	1 (Mike Cooke)
	DFEB Secondary I/O	6 mo	Use DFEB seed & capture buffers; integrate with trigsim	1 (2 nd or 3 rd CTT-2b expert)
Offline software	unpacker	1 mo	Iteration with data consumers ?	1 (Robert Illingworth ?)
	cft_analyze	3 mo	Longterm support person needed (2 nd CTT-2b expert)	2 (Yurii + ?)
AFE personality code	3 mo + longterm	3 months to port personalities to AFE II (if needed) Longterm support person needed (AFE II expert?)	2 (Makoto + ?)	
Mixer support	3 mo + longterm	Longterm support person needed (2 nd CTT-2b expert)	2 (Makoto + ?)	
Equations	6 mo + longterm	Continuing development	1 (Kansas)	
Firmware for DFEB	6 mo (cf. UPP) + longterm	Continuing development	1 (Mr. Wu)	
Platform install 2004	2 mo	Cf. detailed schedule on separate slide; coordination with CFT tasks needed; with help from current CTT group	2 Phys, 1 EE; 2 Techs for infrastructure	
Pre-commissioning on platform	6 mo	With help from current CTT group + CFT shifter; new CTT-2b experts needed	2 Phys (Oana + ?)	
Simulation software	6 mo	Covered by Carsten H. + Mike H. ?	1	
Install 2005	2 mo		3	
Beam commissioning 2005	2 mo		3	



CTT Task List: 2004 shutdown

Task	Duration	Qualification/comment	FTE
Modify Mixer	2 w	Stefano Rapisarda + Neil Wilcer for Mixer mod; Not yet clear that we want to do this; We need full axial AFE system for verification after this step	2 Phys, 1 EE, 1 Tech
Install splitters in PC03-2, run 10m cables to DFEB	3 d		2 Phys, 1 EE
Repair DFEA PC03-3-6, check and repair cabling	1 w		2 Phys, 1 EE
Install DFEB (Run2b DFEA) crate in PW02	3 d	Schedule to allow for slippage in availability; some infrastructure work needs techs (move ODH and/or existing crates)	2 techs, 1 EE, 1 Phys
Replace PW03 blower, move all crates up	1 w	As early as possible; move all crates so new blower can slide in	2 techs, 2 Phys (cabling)
Install & cable additional CTOC and CTTT in PW03	3 d		2
Verify current (old) CTT after DFEB install and cabling mods	1 w	Need full axial AFEs, Trigger Framework, DAQ	2 Phys, 1 EE
Install CC	2 hrs	When available (during or after 2004 shutdown)	2
Install DFEB	2 hrs	When available (during or after 2004 shutdown)	2
Start testing DFEB firmware on platform	6 mo	Continuing after shutdown; see previous slide	2