

## 40 METER TASKLIST

VERSION 0.9

Task	Completion Date	Responsible Parties
1 PSL		
1.1 Move optical table to final position	1-Feb	Steve, Dennis
1.2 Finalize location of PSL racks	1-Feb	Mike, everybody
1.3 Receive, assemble enclosure	7-Feb	Lee
1.4 Write SOP/safety document	7-Feb	Steve
1.5 Receive, install PSL isolation transformer	15-Feb	Steve
1.6 Install warning lights	15-Feb	Ben
1.7 Wire shutdown push-buttons	15-Feb	Ben
1.8 Layout power to PSL racks	15-Feb	Jay, Ben, Steve, Fred
1.9 Install breaker for HEPA filters	15-Feb	Jay, Ben, Steve, Fred
1.10 Begin main PSL installation	15-Feb	Peter King and friends
2 Vacuum System		
2.1 Mode Cleaner Envelope		
2.1.1 New IOC door arrives	1-Mar	n/a
2.1.2 10" diameter beam tube arrives	1-Mar	n/a
2.1.3 Two "T" viewport sections arrive	1-Mar	n/a
2.1.4 Adjustable bellows arrive	1-Mar	n/a
2.1.5 Zero-length adapter arrives	1-Mar	n/a
2.1.6 Setup ovens in 40m lab	1-Mar	Steve
2.1.7 Bellows baked at LLO	15-Mar	Steve, LLO
2.1.8 All other pieces baked at 40m	15-Mar	Steve
2.1.9 Assemble vacuum envelope	1-Apr	Steve, Dennis, Guillaume
2.1.10 Install CCMC in end chamber	1-Apr	Steve, Dennis, Guillaume
2.2 Ion Pumps		
2.2.1 Disassemble ion pumps	26-Jan	Steve, Dennis
2.2.2 New "T", straight pipe sections arrive	26-Jan	Steve
2.2.3 Pumps regenerated at Varian	16-Feb	Steve
2.2.4 Bake pipe sections at 40m	16-Feb	Steve
2.2.5 Reassemble ion pumps	23-Feb	Steve, Dennis
2.2.6 Assemble pipe sections to link pumps	23-Feb	Steve, Dennis, Guillaume
2.2.7 Reinstall ion pumps	1-Mar	Steve, Dennis, Guillaume
2.3 Vacuum Controls		
2.3.1 Acquire two ribbon cables	31-Jan	Dennis, Ben
2.3.2 Wire +24V power supply	31-Jan	Dennis, Ben
2.3.3 Complete EPICS code	31-Jan	Dennis
2.3.4 Commission controls system	1-Mar	Dennis, Ben, Steve
2.4 Miscellaneous		
2.4.1 Get 4 optical quality windows for OOC, MC	1-Mar	Steve
2.4.2 Get AR coating for all windows	1-Mar	Steve
2.4.3 Rebuild nitrogen line, install PN2	1-Mar	Steve, Dennis
3 Building Renovation		
3.1 Control Room		
3.1.1 Acquire furniture	1-Feb	Ben
3.1.2 Install furniture	15-Feb	Ben, Dennis, Steve
3.2 Contractor Punch List		
3.2.1 Relocate fire alarm pull to new entry room	1-Feb	Fred, Steve
3.2.2 Install smoke detector in new entry room	1-Feb	Fred, Steve
3.2.3 Fill, seal around pipes through CES wall	1-Feb	Fred, Steve

3.2.4	Touch up paint on CES wall	1-Feb	Fred, Steve
3.2.5	Replace ceiling tiles in North Annex	1-Feb	Fred, Steve
3.2.6	Install safety & regular windows in doors	1-Feb	Fred, Steve
3.2.7	Replace damaged incand. light fixtures	1-Feb	Fred, Steve
3.2.8	Remove old, protruding plumbing	1-Feb	Fred, Steve
3.2.9	Seal under new entry door	1-Feb	Fred, Steve
3.2.10	Paint outside of closed-off door	1-Feb	Fred, Steve
3.2.11	Seal ceiling at vertex to reduce dust	1-Feb	Fred, Steve
3.2.12	Seal north wall to reduce dust	1-Feb	Fred, Steve
3.2.13	Seal closed-off north door at vertex	1-Feb	Fred, Steve
3.2.14	Fill ceiling holes in old control room	1-Feb	Fred, Steve
3.2.15	Cover electrical junction boxes	1-Feb	Fred, Steve
3.2.16	Cover vertex sink vent hole on ceiling	1-Feb	Fred, Steve
3.2.17	Paint AC duct at PS	1-Feb	Fred, Steve
4	Electronics and Computing		
4.1	Computers		
4.1.1	Acquire 2nd ethernet card for rana	26-Jan	Dennis, Larry W.
4.1.2	Setup rana as gateway	1-Feb	Dennis, Larry W.
4.1.3	Setup asterope to compile EPICS	1-Mar	Dennis
4.2	Racks		
4.2.1	Finalize layout drawings	1-Feb	Mike, everybody
4.2.2	Setup rack internals, bolt pairs together	7-Feb	Ben, Dennis, Jay
4.2.3	Bolt racks to floor	7-Feb	Ben, Dennis
4.2.4	Crates arrive	1-Mar	Jay
4.2.5	Modules, electronics for mini-DAQ arrive	1-Mar	Jay, Rolf
4.2.6	Assemble, install mini-DAQ	1-Mar	Jay, Rolf, Dennis, Ben