

DO Upgrade Schedule
Luminosity Monitor (Level 0)

ID	Task Name	Duration	Start	Finish	Predecessors	Constraint	WBS	Resource Names
1409	LEVEL 0 FABRICATION	188.8 w	4/2/97	1/25/01		Start No Ear		
1410	Brown University MOU - FY98	0.2 w	2/24/98	2/24/98		Start No Earl	1.4.2.1-1.4.2.3,1.4.2.4.1(.17),1.4	k\$[0.85],k\$c[0.04]
1411	Luminosity Monitor Detectors	147.4 w	4/2/97	3/29/00		As Soon As		
1412	Design counter and test prototype	26 w	4/2/97	10/3/97		As Soon As f		PhysU142[0.5]
1413	Design mechanical fixtures and enclosures	74.6 w	10/6/97	4/15/99	1412	As Soon As f		PhysU142[0.2],MTU142[0.15]
1414	Order scintillator and mesh PMTs	0.21 w	4/1/98	4/2/98		Start No Earl		
1415	Fabricate mechanical fixtures and enclosures	17 w	4/16/99	8/16/99	1413	As Soon As f		PhysU142[0.1],MTU142[0.1]
1416	Test mesh PMTs	5 w	6/5/98	7/10/98	1414FS+9 w	As Soon As f		PhysU142[0.1],MTU142[0.2]
1417	Fabricate scintillator	3 w	5/21/98	6/11/98	1414FS+7 w	As Soon As f		PhysU142[0.1],MTF142[0.2]
1418	Assemble and test counters	26 w	7/20/98	2/3/99	1416FS+1 w,1417	As Soon As f		PhysU142[0.1],MTU142[0.1]
1419	Design and Fabricate PMT Preamp Boards	54 w	2/18/99	3/22/00	1418FS+2 w	As Soon As f	1.4.2.4.1(.04)	PhysU142[0.3],k\$[0.02]
1420	Detector Assembly	1 w	3/23/00	3/29/00	1415,1418,1419	As Soon As f		
1421	Detectors ready	0 w	3/29/00	3/29/00	1420	As Soon As		
1422	Luminosity Monitor Electronics	188.8 w	4/2/97	1/25/01		As Soon As		
1423	Evaluate usability of present electronics	26 w	4/2/97	10/3/97		As Soon As f		PhysU142[0.3]
1424	Design Digitization Board	115.2 w	1/2/98	4/28/00		Start No Earl		PhysU142
1425	Procure CAFÉ Cards for Digitization Boards	77 w	11/2/98	5/31/00		Start No Earl	1.4.2.4.1(.29)	k\$[0.14],k\$c[0.03]
1426	Fabricate and Test Digitization Boards	19 w	5/1/00	9/13/00	1424,1425FF+4 w	As Soon As f	1.4.2.4.1(.29)	PhysU142,MTU142[0.5],k\$[0.14],k\$c[0.03]
1427	Design MI Boards	17 w	5/1/00	8/29/00	1424	As Soon As f		PhysU142
1428	Fabricate and Test MI Board	20 w	8/30/00	1/25/01	1427	As Soon As f	1.4.2.4.1(.21)	PhysU142[0.5],MTU142[0.3],k\$[0.1],k\$c[0.02]
1429	Procure Cables Between Detector and Electronics	4 w	6/1/00	6/28/00		Start No Earl	1.4.2.4.3	k\$[0.12],k\$c[0.01]
1430	Install Cables Between Detector and Electronics	4 w	8/28/00	9/25/00	1429,2150	As Soon As f		MTF142[0.5]
1431	Develop Software for Downloading Electronics	8 w	8/1/00	9/26/00		Start No Earl		PhysU142[0.1]
1432	Luminosity Monitor Electronics Ready	0 w	1/25/01	1/25/01	1422	As Soon As		
1433	Monitoring, Calibration, Database, and Accelerator Interface	123.6 w	4/1/98	9/27/00		As Soon As		
1434	Procure hardware for fast readout path	17 w	4/1/98	7/30/98		Start No Earl		
1435	Accelerator interface	11 w	4/3/00	6/19/00		Start No Earl		PhysU142[0.4]
1436	Luminosity database	6 w	6/20/00	8/1/00	1435	As Soon As f		
1437	Develop fast readout path for calib. and monitoring	8 w	8/2/00	9/27/00	1436	As Soon As f		PhysU142[0.1]
1438	Install Level 0-South	1 d	5/8/00	5/8/00	1411,1340	As Soon As f		MTF142[3],PhysU142[2],ICR_South[0.2]
1439	Install Level 0-North	1 d	5/8/00	5/8/00	1411,1339	As Soon As f		MTF142[3],PhysU142[2],ICR_North[0.2]
1440	M3-Level 0-South Installed	0 w	5/8/00	5/8/00	1438	As Soon As		
1441	Hookup Level 0-North	1 w	9/19/00	9/25/00	1405,1439,1430FF	As Soon As f		MTF142[3],PhysU142[2],ICR_North[0.2],Platform[0.2]
1442	Hookup Level 0-South	1 w	10/26/00	11/1/00	1406,1438,2135,1017,1430FF	As Soon As f		MTF142[3],PhysU142[2],ICR_South[0.2],Platform[0.2]
1443	Commission Level 0	17 w	9/26/00	1/30/01	1441	As Soon As f		PhysU142[2],ICR_North[0.1],ICR_South[0.1],Platform[0.1]