

ID	Task Name	Duration	Start	Finish	Predecessors	Constraint	WBS	Resource Names
1445	MUON CENTRAL DETECTOR UPGRADE	248.2 w	11/27/95	11/22/00		As Soon As		
1446	<i>M3-Muon Central Detector TDR Submitted</i>	0 w	3/24/97	3/24/97		Start No Ear		
1447	WAMUS CHAMBER MODIFICATION/COMMISSIONING	225.4 w	4/1/96	10/17/00		As Soon As		
1448	Remove Old Electronics	26 w	4/1/96	10/2/96		Start No Ear		ETF132[0.1]
1449	Prototype Shortened 3-deck PDT	20 w	9/3/96	2/3/97		Start No Ear		MTF132[0.2],PhysU132[0.25],PhysF132[0.25]
1450	Design Mechanical Refurbishing	52 w	12/2/96	12/17/97		Start No Ear		DesF132[0.1]
1451	Cut/machine 3-deck PDT's	14 w	3/4/97	6/10/97	1449FS+4 w	As Soon As f		MTF132[2]
1452	Assemble 3-deck PDT's	18 w	6/11/97	10/16/97	1451	As Soon As f		MTF132,PhysU132[0.25],PhysF132[0.25]
1453	Test 3-deck PDT's	52 w	7/2/97	7/21/98	1452SS+3 w	As Soon As f		PhysU132[0.25],PhysF132[0.25]
1454	<i>3-Deck PDT's Modified</i>	0 w	7/21/98	7/21/98	1453	As Soon As		
1455	Cut/machine second set of PDT's	8 w	9/12/97	11/6/97	1451FS+13 w	As Soon As f		MTF132
1456	Assemble second set of PDT's	30 w	12/1/97	7/13/98	1452	Start No Ear		MTF132[3]
1457	Test second set of PDT's	30 w	1/2/98	8/3/98	1456SS+3 w	As Soon As f		PhysF132[0.5],PhysU132[0.5]
1458	Remove 4-deck PDTs	4 w	1/5/98	1/30/98		Start No Ear		MTF132[0.2]
1459	Install 3-deck A PDT's	2.8 w	12/1/98	12/23/98	1453,1458,1520	As Soon As f		MTF132[0.5]
1460	Install 4-deck A PDT's	1.6 w	12/9/98	12/18/98	1457,1520	As Soon As f		MTF132[3]
1461	Prepare EFB Bottom	8 d	1/11/99	1/20/99		Start No Ear		MTF132[1.5]
1462	Prepare CFB Bottom	3 d	1/21/99	1/25/99	1461	As Soon As f		MTF132[1.5]
1463	Prepare CFC Bottom (includes welding)	4 w	1/18/99	2/12/99	1461FS-3 d	As Soon As f		MTF132,Welder_Day
1464	Phase 1 Survey EFB Bottom	1 w	1/21/99	1/27/99	1461	As Soon As f		
1465	Phase 1 Survey CFB Bottom West	1 w	1/28/99	2/3/99	1462,1464	As Soon As f		
1466	Phase 1 Survey CFC Bottom West	3 d	2/15/99	2/17/99	1463,1465	As Soon As f		
1467	Phase 1 Survey CFC East and CFB East	1 w	2/18/99	2/24/99	1462,1466	As Soon As f		
1468	Remove CFC Bottom West	2 d	1/13/99	1/14/99		Start No Ear		MTF132[3]
1469	Install EFB Bottom	1 w	3/25/99	3/31/99	1464FS+8 w	As Soon As f		MTF132[2]
1470	Install CFB Bottom	1 w	2/4/99	2/10/99	1465	As Soon As f		MTF132[2]
1471	Install CFC Bottom	1 w	2/18/99	2/24/99	1466	As Soon As f		ETF132[2]
1472	Modify/Test Counting House HV	25.4 w	5/17/99	11/12/99		Start No Ear		MTF132[0.5],PhysU132[0.25]
1473	Fabricate/Test Service Cards and Delay Boards	90 w	9/2/97	6/30/99		Start No Ear		PhysU132
1474	Install Service Cards/Delay Boards	72.2 w	2/4/98	7/16/99	1473SS+20 w	As Soon As f		PhysU132[0.1]
1475	Clean PDT's and Test HV	88.2 w	2/18/98	11/22/99	1474SS+2 w	As Soon As f		PhysU132[0.1],PhysF132[0.1]
1476	<i>PDT HV Testing Complete</i>	0 w	11/22/99	11/22/99	1475	As Soon As		
1477	Relocate B-Layer Bottom Cable Trays	8 w	9/15/97	11/7/97		Start No Ear		MTF132
1478	Fab/Install Gas Blocks	107 w	9/15/97	11/11/99		Start No Ear		PhysU132[0.1],PhysF132[0.1]
1479	Leak Test PDTs	57 w	6/7/99	7/31/00		Start No Ear		MTF132,PhysU132[0.1]
1480	Modify EF Vertical Trusses	55 w	5/3/99	6/12/00		Start No Ear		MTF132[0.5],Welder_Day[0.2]
1481	Design/Fabricate Electronics Mounting Hardware	24 w	10/1/98	4/2/99		Start No Ear		PhysF132
1482	Prepare PDT's for Electronics Mounts	16 w	12/14/98	4/16/99	1481FS-14 w	As Soon As f	1.3.2.4.3(0.46)	MTF132[0.25],PhysF132[0.25],k\$[0.15],k\$c[0.02]
1483	Install electronics mounts	40 w	8/16/99	6/8/00	1482	Start No Ear		MTF132[0.25]
1484	Design On-Detector Gas System Hardware	19 w	7/6/99	11/16/99		Start No Ear		MEF132[0.5]
1485	Install On-Detector Gas System Hardware	30 w	11/17/99	6/30/00	1484	As Soon As f		MTF132[0.5]
1486	Design gas room hardware - Stage 1	4 w	5/15/00	6/12/00	1484FS+6 w	Start No Ear		MEF132[0.25]
1487	Install new WAMUS gas room hardware - Stage 1	4 w	6/13/00	7/11/00	1486	As Soon As f	1.3.2.4.7	MTF132[0.75]
1488	Design gas room hardware -Stage 2 (recirculator)	4 w	6/13/00	7/11/00	1486	Start No Ear		MEF132[0.5],Krempetz[0.5]
1489	Install recirculating system	2 w	8/9/00	8/22/00	1488FS+4 w,1487	As Soon As f		MTF132,Barger
1490	Begin/Check PDT Gas Flow	2 w	7/3/00	7/17/00	1485	As Soon As f		PhysF132[0.25]
1491	Connect to gas room hardware and check flow	1 w	7/18/00	7/24/00	1487,1490	As Soon As f		MTF132[0.5]
1492	Fabricate 10% Front End Cables	2 w	3/15/99	3/26/99		Start No Ear		MTF132[0.5]
1493	Fabricate 90% Front End Cables	20 w	6/14/99	11/2/99	1492	Start No Ear		MTF132[0.5]
1494	Test and connect cable plant	40 w	9/7/99	6/29/00		Start No Ear		PhysU132[0.1],PhysF132[0.1],MTF132
1495	Dress/Cleanup LVPS on Truss	2 w	1/4/99	1/15/99		Start No Ear		ETF132
1496	Build 2 LVPS Prototypes	4 w	1/18/99	2/12/99	1495	As Soon As f		ETF132[0.5]
1497	Specify/Procure WAMUS power supplies	4 w	9/3/98	10/1/98	1897	As Soon As f	1.3.2.4.6(0.59)	ETF135[0.5],k\$[0.11],k\$c[0.01]
1498	Modify LVPS	16 w	2/15/99	6/7/99	1496,1497	As Soon As f	1.3.2.4.5,1.3.2.4.6(.41)	ETF132,k\$[0.23],k\$c[0.02]
1499	Install modified LVPS-CF Truss	12 w	6/8/99	8/31/99	1498	As Soon As f		ETF132[0.5],PhysF132[0.1]
1500	Install modified LVPS-EF Trusses	3 w	9/13/99	10/1/99	1499	Start No Ear		
1501	Modify MCH3 Crates	10 w	6/14/99	8/23/99		Start No Ear		ETF132[0.25]
1502	Commission 2% of PDT's	9.4 w	8/24/99	10/28/99	1501,1908SS	As Soon As f		PhysU132,PhysF132
1503	<i>M3-2% of Muon PDT's Commissioned</i>	0 w	10/28/99	10/28/99	1502	As Soon As		
1504	Relocate East C-layer Vertical PDT's	2 w	5/20/98	6/3/98	1647	As Soon As f		MTF132
1505	West Side PDT Phase 2 Alignment - Part 1	1 w	10/11/99	10/15/99	1459,1460	Start No Ear		PhysF132,MTF132[0.25],Welder_Day[0.25]
1506	West Side PDT Phase 2 Alignment - Part 2	3 w	11/8/99	11/30/99	1505	Start No Ear		MTF132[2],PhysF132
1507	East Side PDT Phase 2 Alignment	7 w	3/27/00	5/12/00	1506	Start No Ear		PhysF132
1508	Modify EFB PDT Bottom Mounts	2.4 w	2/21/00	3/7/00		Start No Ear		MTF132[2]
1509	Modify PDT 247 mounting hardware	1 w	6/5/00	6/9/00	1508	Start No Ear		MTF132,Welder_Day[0.5]
1510	North PDT Phase 2 Alignment	3 w	6/5/00	6/23/00	1507,1508	Start No Ear		PhysF132
1511	South PDT Phase 2 alignment	3 w	6/26/00	7/17/00	1509,1510	As Soon As f		
1512	Refurbish Cable Plant-FY98	8 w	8/3/98	9/28/98		Start No Ear	1.3.2.4.1,1.3.2.4.2(.07),1.3.2.4.3	MTF135,PhysF132[0.2],k\$[0.52],k\$c[0.05]
1513	Refurbish Cable Plant-FY99	49 w	10/1/98	9/29/99		Start No Ear	1.3.2.4.2(.93),1.3.2.4.4(.2)	MTF132[0.25],PhysF132[0.1],k\$[0.42],k\$c[0.08]
1514	Install LVPS Harness and Hookups	31 w	10/4/99	5/23/00	1499,1500	Start No Ear		EEF135[0.1],ETF132[0.5],PhysF132[0.1]
1515	Commission Remainder of PDT's	13 w	7/18/00	10/17/00	1490,1501,1514,1914SS	As Soon As f		PhysU132[2],PhysF132[2],MTF132[2],ETF132
1516	<i>PDT Commissioning Complete</i>	0 w	10/17/00	10/17/00	1515	As Soon As		

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1517	A-LAYER SCINTILLATION COUNTERS	209 w	9/3/96	11/22/00		As Soon As		
1518	Design Counters	9 w	9/9/96	11/8/96		Start No Ear		DesF132,MEF132[0.2],PhysF132[0.1],MTF132[0.15]
1519	Design Counter Frame, Mounts, and Cases	16 w	11/11/96	3/14/97	1518	As Soon As f		MEF132[0.2],DesF132[0.5],PhysU132[0.1],PhysF132[0.1],MTF132[0.15]
1520	Produce Detail Drawings	56 w	6/10/97	7/27/98	1519FS+12 w	As Soon As f		DesF132[0.5],MEF132[0.1]
1521	Procure Scintillator, Fibers	28 w	9/16/96	4/11/97	1518SS+5 d	As Soon As f	1.3.2.2.1,1.3.2.2.3,1.3.2.2.14	k\$[1.48]
1522	Procure Detector Cases	26 w	3/17/97	9/17/97	1519	As Soon As f	1.3.2.2.7	k\$[0.48]
1523	Production of APhi Counters at NIU	105.8 w	9/3/96	10/20/98		As Soon As		
1524	Procure PMTs	24 w	9/3/96	3/3/97		Start No Ear	1.3.2.2.4	k\$[0.39]
1525	Procure Tube Base Parts	12 w	11/11/96	2/14/97	1518	As Soon As f	1.3.2.2.5	k\$[0.17]
1526	Procure Magnetic Shields	12 w	11/11/96	2/14/97	1518	As Soon As f	1.3.2.2.6	k\$[0.28]
1527	Fabricate Fixtures/Jigs	16 w	3/17/97	7/8/97	1519	As Soon As f		PhysU132
1528	Fabricate Cookies and Cut Fibers	12 w	4/28/97	7/22/97	1520SS+6 w,1521	As Soon As f		PhysU132
1529	Machine Scintillator	12 w	4/28/97	7/22/97	1528SS	As Soon As f	1.3.2.2.2	MTU132,k\$[0.21]
1530	Assemble Counters	52 w	9/18/97	10/6/98	1522	As Soon As f		PhysU132[2]
1531	M3-First NIU APhi Counter Assembled	0 w	10/1/97	10/1/97	1530SS+2 w	As Soon As		
1532	Test Counters	52 w	10/2/97	10/20/98	1530SS+2 w	As Soon As f		PhysU132[0.25]
1533	10% of NIU APhi Counters Assembled	0 w	12/19/97	12/19/97	1530SS+25 %	As Soon As		
1534	50% of NIU APhi Counters Assembled	0 w	4/21/98	4/21/98	1530SS+55 %	As Soon As		
1535	Production of APhi Counters at ITEP	77.4 w	9/15/97	4/14/99		As Soon As		
1536	Allocate Assembly Costs to ITEP	1.55 w	9/15/97	9/24/97		Start No Ear	1.3.2.2.17	k\$[0.1]
1537	Ship Scintillator to ITEP	12 w	1/15/98	4/8/98		Start No Ear		
1538	Machine Scintillator, Fabricate Cookies and Cut Fibers	24.6 w	4/9/98	10/1/98	1537	As Soon As f		MTU132
1539	Assemble Counters	35.4 w	4/23/98	1/15/99	1538SS+2 w	As Soon As f		PhysU132,MTU132[2]
1540	First ITEP APhi Counter Assembled	0 w	4/23/98	4/23/98	1539SS	As Soon As		
1541	10% of ITEP APhi Counters Assembled	0 w	6/25/98	6/25/98	1539SS+25 %	As Soon As		
1542	M3-50% of ITEP APhi Counters Assembled	0 w	9/10/98	9/10/98	1539SS+55 %	Start No Ear		
1543	Test Counters	33.4 w	5/7/98	1/15/99	1539SS+2 w	As Soon As f		PhysU132[0.25]
1544	All ITEP APhi Counters Assembled and Tested	0 w	1/15/99	1/15/99	1543	Start No Ear		
1545	Ship Counters to Fermilab	34 w	8/3/98	4/14/99	1543SS+12 w	As Soon As f	1.3.2.2.19	k\$[0.15],k\$[0.03]
1546	CFA Installation	160.6 w	9/16/96	12/14/99		As Soon As		
1547	Design Access Platforms	18 w	1/4/99	5/7/99		Start No Ear		DesF132[0.3],MEF132[0.2]
1548	Modify Access Platforms	3 w	5/10/99	5/31/99	1547	As Soon As f		MTF132[2]
1549	Procure Mounting Materials	21.8 w	6/1/98	11/2/98	1519,1520FS-8 w	As Soon As f	1.3.2.2.10	k\$[0.48],k\$[0.1]
1550	Procure HV Cable and Connectors	8 w	9/16/96	11/8/96	1518SS+1 w	As Soon As f	1.3.2.2.12,1.3.2.2.8(0.1),1.3.2.2.	k\$[0.13]
1551	Procure Signal Cables and Connectors	8 w	1/27/97	3/21/97	1518SS+18 w	As Soon As f	1.3.2.2.13	k\$[0.11]
1552	Procure HV Supplies	0.2 w	9/2/97	9/2/97		Start No Ear	1.3.2.2.18	k\$[0.22]
1553	Terminate HV and Signal Cables-One end	36 w	10/1/97	6/25/98		Start No Ear		MTF132[0.25]
1554	Procure HV Fanout Parts	8 w	5/1/98	6/26/98		Start No Ear	1.3.2.2.8(0.9),1.3.2.2.9(0.92)	k\$[0.18],k\$[0.01]
1555	Assemble HV fanouts	4 w	6/29/98	7/27/98	1554	As Soon As f		MTF132[0.5]
1556	Install HV Fanouts	4 w	5/3/99	5/31/99		Start No Ear		MTF132[0.5]
1557	Install PMTs into NIU Counters	9 w	1/15/99	3/18/99	1532FS+10 w	As Soon As f		PhysU132[0.3]
1558	Install PMTs into ITEP Counters	4 w	4/15/99	5/12/99	1545	As Soon As f		PhysU132
1559	Install A Layer Top Mounts	2 w	3/1/99	3/12/99	1549	Start No Ear		MTF132[3],PhysF132[0.1]
1560	Install A Layer Top 1 Row	1 w	3/15/99	3/19/99	1533,1545SS+10 %,1559	As Soon As f		MTF132,PhysF132[0.25]
1561	Install A Layer Top Remainder	2 w	5/13/99	5/27/99	1545,1557,1558,1560	As Soon As f		MTF132[2],PhysU132[0.5]
1562	Install A Layer Side Mounts-10%	1 w	1/6/99	1/12/99	1549	As Soon As f		MTF132
1563	Install A Layer Side Counters-10%	4 w	1/6/99	2/3/99	1562SS+10 %	As Soon As f		MTF132[0.5]
1564	Install A-Layer Side Mounts-Remainder	3 w	3/22/99	4/9/99	1560	As Soon As f		MTF132,PhysF132[0.25]
1565	Install A Layer Side Counters Remainder	4 w	5/28/99	6/24/99	1545,1561,1564	As Soon As f		MTF132[2],PhysU132[0.5]
1566	Design, Procure A Layer Floor	36 w	2/1/99	10/13/99		Start No Ear		DesF132,MEF132,PhysF132[0.1]
1567	Install A-Layer floor	4.4 w	10/14/99	11/12/99	1566	As Soon As f		MTF132[2]
1568	Install A Layer Bottom Mounts	2.2 w	11/15/99	12/1/99	1549,1562,1567	As Soon As f		MTF132
1569	Install A Layer Bottom Counters	1 w	12/2/99	12/8/99	1545,1568	As Soon As f		MTF132[2],PhysU132[0.5]
1570	Fabricate and Install 10% of Cables	2 w	6/1/99	6/14/99	1533,1545SS+10 %,1556,1599	As Soon As f		MTF132[2],PhysU132,ETF132
1571	Fabricate and Install Remaining Side and Top Cables	8 w	6/15/99	8/10/99	1570	As Soon As f		PhysU132,MTF132[4]
1572	Fabricate and Install Bottom Counter Cables	0.8 w	12/9/99	12/14/99	1569	As Soon As f		MTF132[2]
1573	M3-Muon CFA Installation Complete	0 w	12/14/99	12/14/99	1571,1572	As Soon As		
1574	CALIBRATION SYSTEM	136.8 w	8/1/97	5/12/00		As Soon As		
1575	Procure Calibration System Parts FY97	12 w	8/1/97	10/24/97		Start No Ear	1.3.2.2.11(0.14)	k\$[0.03]
1576	Procure Calibration System Parts FY98	20 w	5/1/98	9/22/98	1532SS+8 w,1575	Start No Ear	1.3.2.2.11(0.17)	k\$[0.04]
1577	Procure Calibration System Parts FY99	17 w	4/1/99	7/30/99	1576	Start No Ear	1.3.2.2.11(.69)	k\$[0.15],k\$[0.01]
1578	Fabricate Calibration System	33.4 w	4/29/99	1/7/00	1577SS+4 w	As Soon As f		MTF132[0.25],PhysU132[0.5]
1579	Install Calibration System	18 w	1/10/00	5/12/00	1578	As Soon As f		MTF132[0.25],PhysU132[0.25]
1580	COMMISSION A-LAYER SCINTILLATION COUNTERS	31 w	4/17/00	11/22/00		As Soon As		
1581	Commission 10% of A-Layer Counters	11 w	4/17/00	7/3/00	1570,1973SS+8 w	Start No Ear	1.3.2.2.20	PhysU132[2],k\$[0.03]
1582	10% of CFA Commissioned	0 w	7/3/00	7/3/00	1581	As Soon As		
1583	Commission 90% of A-Layer Counters	20 w	7/5/00	11/22/00	1573,1579,1994SS,1581	As Soon As f		PhysU132[3],MTF132[0.25],ETF132[0.25]
1584	CFA Commissioning Complete	0 w	11/22/00	11/22/00	1583	As Soon As		
1585	B- AND C-LAYER SCINTILLATION COUNTERS	229.2 w	11/27/95	7/11/00		As Soon As		
1586	BOTTOM COUNTERS	225.4 w	11/27/95	6/13/00		As Soon As		
1587	CFB Counters	169.4 w	11/27/95	4/26/99		As Soon As		
1588	Groove CFB Scint. and Partially Assemble	60.4 w	2/16/96	5/1/97		Start No Ear	1.3.2.3.14,1.3.2.3.15	MTU132[2],PhysU132,k\$[0.26]

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1589	Ship Counters to Fermilab	4 w	5/2/97	5/30/97	1588	As Soon As f	1.3.2.3.16	k\$[0.15]
1590	CFB Counters at Fermilab	0 w	5/30/97	5/30/97	1589	As Soon As		
1591	Choose Optical Fibers	42 w	11/27/95	9/20/96		Start No Earl		DesF132[0.1],PhysF132[0.1]
1592	Procure CFB Counter Frames	20 w	11/27/95	4/16/96		Start No Earl	1.3.2.3.8(.47)	k\$[0.16]
1593	Assemble CFB Counters in Frames	40 w	6/2/97	3/25/98	1589,1591,1592	As Soon As f		MTF132[0.25]
1594	Test CFB Counters	12 w	6/1/98	8/24/98	1593	Start No Earl		PhysU132[0.5],PhysF132[0.25]
1595	Install West CFB Counters	1 w	3/1/99	3/5/99	1470,1594FS+8 w	Start No Earl		MTF132[2]
1596	Install East CFB Counters	1 w	3/8/99	3/12/99	1470,1595	As Soon As f		MTF132[2]
1597	Receive Front End Crates	0 w	1/26/99	1/26/99		Start No Ear		
1598	Prepare 6 Front End Crates	2 w	3/16/99	3/29/99	1597FS+7 w	As Soon As f		ETF132
1599	Install 6 Front End Crates	2 w	3/30/99	4/12/99	1598	As Soon As f		MTF132
1600	Install CFB Cables	2 w	4/13/99	4/26/99	1595,1599	As Soon As f		MTF132,ETF132
1601	EFB and CFC Counters	157.6 w	8/1/96	10/7/99		As Soon As		
1602	Finalize EFB and CFC Counter Design	44 w	8/1/96	6/20/97		Start No Earl		DesF132[0.75],PhysF132[0.25],MTF132[0.2]
1603	Design Work Finished	0 w	6/20/97	6/20/97	1602	As Soon As		
1604	Procure Scint and Fiber	20 w	1/31/97	6/20/97	1602FF	Start No Earl	1.3.2.3.1.1.3.2.3.4	k\$[1.04]
1605	Cut and Groove Scintillator	4 w	2/1/97	2/28/97	1604SS+14 w	As Soon As f	1.3.2.3.2(0.5)	MTF132,k\$[0.02]
1606	Ship Scintillator to TIFR	7 w	3/3/97	4/18/97	1605	As Soon As f	1.3.2.3.17(0.8)	k\$[0.05]
1607	Cut Fibers and Cookies	8 w	4/21/97	6/16/97	1606	As Soon As f		MTU132[0.5]
1608	Procure HV Cable and Fanout Connectors	8 w	9/13/96	11/7/96	1602SS+6 w	As Soon As f	1.3.2.3.11(0.41)	k\$[0.02]
1609	Procure Signal Cables and Connectors	12 w	9/13/96	12/9/96	1602SS+6 w	As Soon As f	1.3.2.3.12	k\$[0.1]
1610	Terminate HV and Signal Cables	16 w	6/15/98	10/6/98		Start No Earl		MTF132[0.1]
1611	Assemble HV Fanout Crates	2 w	5/22/98	6/5/98		Start No Earl	1.3.2.3.9.1.3.2.3.10,1.3.2.3.11(0	MTF132[0.5],k\$[0.04]
1612	Procure Calibration System Parts FY97	12 w	6/23/97	9/16/97	1602	As Soon As f	1.3.2.3.13(0.25)	k\$[0.06]
1613	Procure Calibration System Parts FY98	12 w	6/23/98	9/16/98		Start No Earl	1.3.2.3.13(0.06)	k\$[0.01]
1614	Procure Calibration System Parts FY99	21 w	4/1/99	8/27/99		Start No Earl	1.3.2.3.13(0.31)	k\$[0.17],k\$c[0.01]
1615	Procure Calibration System Parts FY00	1 w	10/1/99	10/7/99		Start No Earl	1.3.2.3.13(.38)	
1616	Procure PMTs	16 w	8/29/96	1/2/97	1602SS+4 w	As Soon As f	1.3.2.3.5	k\$[0.1]
1617	Procure Tube Base Parts	12 w	1/17/97	4/10/97	1602SS+22 w	As Soon As f	1.3.2.3.6	k\$[0.05]
1618	Procure Magnetic Shields	4 w	1/17/97	2/13/97	1602SS+22 w	As Soon As f	1.3.2.3.7	k\$[0.07]
1619	Test Bases and PMTs	16 w	2/14/97	6/6/97	1618	As Soon As f		PhysU132[0.25]
1620	Partially Assemble Counters at TIFR	26 w	6/17/97	12/19/97	1607	As Soon As f		MTU132[2],PhysU132
1621	Ship Counters to FNAL	18 w	1/2/98	5/7/98	1620	As Soon As f		
1622	Assembly & Test At TIFR Complete	0 w	5/7/98	5/7/98	1621	As Soon As		
1623	Perform Final Assembly of EFB and CFC Counters	8 w	7/21/98	9/15/98	1621FS+10 w	As Soon As f	1.3.2.3.8(.53)	MTF132[2],k\$[0.19]
1624	Test EFB/CFC Counters	12 w	7/28/98	10/20/98	1623SS+1 w	As Soon As f		PhysU132[0.5],PhysF132[0.25]
1625	Install EFB Counters	1 w	4/1/99	4/7/99	1469,1594,1624	As Soon As f		MTF132[2]
1626	Install Cables	2 w	4/13/99	4/26/99	1599,1625	As Soon As f		MTF132,ETF132
1627	Side B Counters	116.6 w	2/5/98	6/13/00		As Soon As		
1628	Design Side B Counters	18 w	2/5/98	6/11/98		Start No Earl		DesF132[0.25],PhysF132[0.25]
1629	Procure Scintillator and Fiber	12 w	3/19/98	6/11/98	1628FS-12 w	As Soon As f	1.3.2.3.18,1.3.2.3.19,1.3.2.3.17(k\$[0.34],k\$c[0.03]
1630	Cut and Groove Scintillator	7 w	5/21/98	7/10/98	1629SS+9 w	As Soon As f	1.3.2.3.2(0.5)	MTF132,k\$[0.02]
1631	Assemble Counters at FNAL	28 w	7/13/98	2/10/99	1630	As Soon As f	1.3.2.3.20	MTF132[0.25],k\$[0.15],k\$c[0.01]
1632	Test Side B Counters	2 w	3/4/99	3/17/99	1631FS+3 w	As Soon As f		PhysU132[0.5],PhysF132[0.25]
1633	Modify Truss for Side B Counters	6 d	1/15/99	1/22/99		Start No Earl		MTF132
1634	Install 90% of Side B Counters	2 w	3/18/99	3/31/99	1632,1633	As Soon As f		MTF132[0.4]
1635	Install 90% of Side B Cables	1 w	10/18/99	10/22/99	1599,1634	As Soon As f		MTF132,ETF132
1636	Install Remaining 10% of Side B Counters and Cables	0.2 w	6/13/00	6/13/00	1480,1509	As Soon As f		
1637	Hole Counters	18 w	2/22/99	6/28/99		As Soon As		
1638	Design Hole Counters	3 w	2/22/99	3/12/99		Start No Earl		DesF132[0.25],PhysF132[0.25]
1639	Modify Hole Counter Case Parts	12 w	3/15/99	6/7/99	1638	As Soon As f		MTF132[0.25]
1640	Repolish Hole Counter Ends	2 w	3/15/99	3/26/99	1638	As Soon As f		MTF132[0.25]
1641	Assemble Hole Counters	1 w	6/8/99	6/14/99	1639,1640	As Soon As f		MTF132[0.25],PhysF132[0.25]
1642	Test Hole Counters	1 w	6/15/99	6/21/99	1641	As Soon As f		PhysF132[0.5]
1643	Install Hole Counters and Cables	1 w	6/22/99	6/28/99	1642	As Soon As f		MTF132[0.25],PhysF132[0.25]
1644	B- AND C- LAYER CALIBRATION SYSTEM	182 w	10/1/96	6/12/00		As Soon As		
1645	Design/Prototype Calibration System	36 w	10/1/96	6/24/97		Start No Earl		PhysU132[0.5],MTF132[0.1]
1646	Modify Existing West and Top Counters for Calib System	46 w	6/25/97	6/1/98	1645	As Soon As f		MTF132[0.5],PhysU132[0.5]
1647	Remove Existing East Vertical Counters	4 w	4/22/98	5/19/98	1646	As Soon As f		MTF132[3]
1648	Modify Existing East Vertical Counters	4 w	4/29/98	5/27/98	1647SS+1 w	As Soon As f		PhysU132
1649	Fab/Test/Install Calibration System	55 w	5/3/99	6/12/00	1648	Start No Earl		MTF132[0.75],PhysU132[1.25]
1650	M3- Muon B/C Layer Calibration System Complete	0 w	6/12/00	6/12/00	1649	As Soon As		
1651	Install counters and cables for PDT 247	0.2 w	7/11/00	7/11/00	1509,2135	As Soon As f		MTF132,PhysF132
1652	Commission B/C Counters	12 w	4/10/00	7/3/00	1973FS+8 w,1994SS	As Soon As f		PhysU132[2],PhysF132,MTF132,ETF132[0.5]