

ID	Task Name	Duration	Start	Finish	Predecessors	Constraint	WBS	Resource Names
1031	CALORIMETER FRONT-END ELECTRONICS	377.6 w	8/5/93	2/5/01		As Soon As		
1032	M3-Calorimeter Electronics TDR Submitted	0 w	6/12/97	6/12/97		Start No Ear		
1033	Preamp Construction	348.6 w	8/5/93	7/6/00		As Soon As		
1034	Purchase cables	39 w	8/5/93	5/4/94		Start No Earl	1.2.1.6	PhysU121[0.2],ETF121[0.2],k\$[5.57],k\$c[0.06]
1035	Hybrid Construction	305.2 w	12/9/93	1/7/00		As Soon As		
1036	Preamp design finalization	165 w	12/9/93	2/28/97		Finish No Ea	1.2.1.1.1(0.58)	PhysU121,k\$[0.11],k\$c[0.01]
1037	Preamp Design Finalized	0 w	2/28/97	2/28/97	1036	As Soon As		
1038	Order first preamp parts	74.68 w	12/9/93	5/16/95	1036SS	As Soon As f	1.2.1.1.2.1.1(0.86),1.2.1.1.2.1.2.	k\$[2.54],k\$c[0.1]
1039	Build vendor preamp tester	29 w	3/20/97	10/13/97	1036	As Soon As f	1.2.1.1.2.3(0.45)	EEF121[0.5],ETF121[0.8],k\$[0.06]
1040	Order final parts	38.2 w	3/3/97	12/1/97	1036	As Soon As f		PhysU121
1041	Order caps	2 w	11/14/97	12/1/97	1040	As Soon As f	1.2.1.1.2.1.2.3(.87),1.2.1.1.2.1.2	k\$[0.68],k\$c[0.07]
1042	Receive parts	18 w	12/16/97	5/1/98	1040FS+2 w	As Soon As f		PhysU121[0.1]
1043	Bid preamp	2 w	9/16/96	9/27/96	1036FS-22 w	As Soon As f	1.2.1.1.2.3(0.45)	PhysU121[0.5],k\$[0.06]
1044	Order preamp	2 w	9/30/96	10/11/96	1043	As Soon As f	1.2.1.1.2.2	PhysU121[0.1],k\$[3.28],k\$c[0.16]
1045	Vendor engineering samples production	23.2 w	9/18/97	3/13/98	1036,1044	As Soon As f		PhysU121[0.1]
1046	Certify engineering samples	4 w	3/16/98	4/10/98	1045	As Soon As f	1.2.1.1.2.3(0.1)	EEF121,PhysU121,ETF121,k\$[0.01]
1047	Pre-production (300) samples from vendor	17 w	8/5/98	12/4/98	1046FS+16 w	As Soon As f		
1048	Evaluate Pre-production	2 w	12/7/98	12/18/98	1047	As Soon As f		PhysU121[0.25],EEF121[0.5]
1049	Vendor production 4,700 pcs	4 w	1/4/99	1/29/99	1048	As Soon As f		
1050	M3-Calorimeter Preamp Production Begun	0 w	1/4/99	1/4/99	1049SS	As Soon As		
1051	Evaluate 4,700 preamp lot	19 w	2/1/99	6/14/99	1049,1050	As Soon As f		
1052	Vendor preamp 1st lot production & test (27,500)	12 w	8/4/99	10/27/99	1051FS+7 w	As Soon As f		ETF121[0.1],PhysU121[0.05]
1053	Preamp 1st production lot shipped from vendor	0 w	10/27/99	10/27/99	1052	As Soon As		
1054	Vendor preamp 2nd lot production & test (27,500)	2.4 w	10/28/99	11/12/99	1053	As Soon As f		
1055	Preamp production complete at vendor	0 w	11/12/99	11/12/99	1054	As Soon As		
1056	In house preamp test/inventory	6 w	11/11/99	1/7/00	1053FS+2 w	As Soon As f		ETF121[0.5],PhysU121[0.25],Jollif[0.5],Gao[0.25]
1057	Preamp Motherboard Construction	292.4 w	8/5/94	6/7/00		As Soon As		
1058	Bid motherboard	5 w	8/5/94	9/8/94		Start No Earl		PhysU121[0.2]
1059	Place motherboard order	2 w	9/9/94	9/22/94	1058	As Soon As f	1.2.1.1.3.1-1.2.1.1.3.2	PhysU121[0.1],k\$[0.97],k\$c[0.05]
1060	Place first parts orders	20 w	9/23/94	2/9/95	1059	As Soon As f	1.2.1.1.3.4.1,1.2.1.1.3.4.4,1.2.1.	k\$[0.99],k\$c[0.01]
1061	Finalize design/modifications	130 w	9/9/94	3/31/97	1058	As Soon As f		PhysU121[0.1]
1062	Preamp Motherboard Design Complete	0 w	3/31/97	3/31/97	1061	As Soon As		
1063	Place MOU with Columbia U. -FY96	2.67 w	1/2/96	1/19/96	1061SS+65 w	Start No Earl	1.2.1.1.1(0.42),1.2.1.1.3.3,1.2.1.	k\$[0.92],k\$c[0.11]
1064	Vendor 1st production (100bds)	24 w	3/30/98	9/16/98	1061FS+49 w	As Soon As f		PhysU121[0.1]
1065	Vendor Assembly/test 1st production	5 w	9/17/98	10/21/98	1060,1063,1064	As Soon As f		PhysU121[0.2]
1066	Certify motherboard 1st production	29 w	10/8/98	5/14/99	1065FS-2 w	As Soon As f		ETF121,PhysU121
1067	Vendor 2nd production	12 w	5/17/99	8/10/99	1066	As Soon As f		
1068	Evaluate 2nd production	5.4 w	8/11/99	9/17/99	1067	As Soon As f		
1069	Preamp Motherboard Production Begun	0 w	9/20/99	9/20/99	1068,1070SS	As Soon As		
1070	Vendor production	11 w	9/20/99	12/7/99	1068	As Soon As f		PhysU121[0.1],Groer[0.05],Tuts[0.05]
1071	Preamp Motherboard Fabrication Complete	0 w	12/7/99	12/7/99	1070	As Soon As		
1072	Vendor Assembly/test	27 w	11/15/99	6/7/00	1071	As Soon As f		PhysU121[0.2],Gao[0.2]
1073	Preamp Motherboard Assembly Complete	0 w	6/7/00	6/7/00	1072	As Soon As		
1074	Preamp Power Supply Construction	165.6 w	3/3/97	7/6/00		As Soon As		
1075	Order Prototype Switching Supply	7.4 w	4/3/97	5/23/97	1036	Start No Earl		EEF121[0.2]
1076	Design mechanical housing	4 w	3/3/97	3/28/97	1036	As Soon As f		EEF121[0.2]
1077	Test Prototype supply	28 w	5/27/97	12/12/97	1075,1076	As Soon As f		EEF121,PhysU121[0.2]
1078	Preamp PS Design Finalized	0 w	12/12/97	12/12/97	1077	As Soon As		
1079	Bid supplies	4 w	7/30/97	8/26/97	1077SS+9 w	As Soon As f		EEF121[0.2]
1080	Order preamp supplies	2 w	8/27/97	9/10/97	1079	As Soon As f	1.2.1.1.4.1-1.2.1.1.4.11,1.2.1.1.4	EEF121[0.1],k\$[0.91],k\$c[0.1]
1081	Vendor delivery	21 w	12/8/97	5/14/98	1080FS+12 w	As Soon As f		ETF121[0.1]
1082	Construct mechanical housing	40 w	11/2/98	8/26/99	1080FS+52 w	Start No Earl		ETF121[0.2]
1083	Preamp Power Supply Assembly Started	0 w	8/6/99	8/6/99	1084SS	As Soon As		
1084	Assemble supplies	18.6 w	8/6/99	12/17/99	1081,1082FS-3 w	As Soon As f	1.2.1.1.4.13,1.2.1.1.4.14(.28),1.2	EEF121[0.1],k\$[0.18],k\$c[0.03],ETF121[1.3],Cherry,Huffman[0.1]
1085	Preamp Power Supplies 50% Complete	0 w	10/8/99	10/8/99	1084SS+9 w	As Soon As		
1086	Preamp Power Supply Fabrication Complete	0 w	12/17/99	12/17/99	1084	As Soon As		
1087	Test and install supplies	40 w	9/13/99	7/6/00	1084SS+5 w	Start No Earl	1.2.1.1.4.15(.5)	ETF121[1.5],EEF121[0.2],k\$[0.04],k\$c[0.01],PhysU121[0.5],Eme
1088	Install preamps on motherboard	24 w	12/15/99	6/14/00	1056SS+2 w,1072SS+4 w	As Soon As f		ETF121,PhysU121[0.2],Jollif,Gao[0.1],Groer[0.1]
1089	Preamp system burn-in test	22 w	1/12/00	6/14/00	1088SS+2 w	As Soon As f		ETF121[0.2],PhysU121[0.4],Groer[0.2],Gao[0.2],Minor[0.2]
1090	M2-Calorimeter Preamp System Test Complete	0 w	6/14/00	6/14/00	1089	As Soon As		
1091	BLS Construction	322.8 w	8/10/94	1/22/01		As Soon As		
1092	SCA construction	281.8 w	8/10/94	3/28/00		As Soon As		
1093	SCA place order	7 w	8/10/94	9/27/94		Start No Earl	1.2.1.2.2.1(.73)	PhysU121[0.1],k\$[4.04],k\$c[0.81]
1094	SCA design finalization/proto	85 w	9/28/94	5/20/96	1093	As Soon As f	1.2.1.2.1	EEU121[0.1],PhysU121[0.05],k\$[0.23]
1095	SCA 10-wafer Pre-production	8 w	5/21/96	7/17/96	1094	As Soon As f		
1096	SCA 10-wafer Packaging	4 w	7/18/96	8/14/96	1095	As Soon As f		EEF121[0.05],ETF121[0.2]
1097	SCA Pre-production Acceptance Tests	43 w	8/15/96	6/27/97	1096	Finish No Ea		PhysU121[0.2],EEF121[0.2],ETF121[0.5]
1098	Order Additional SCAs	12 w	6/30/97	9/23/97	1097	As Soon As f	1.2.1.2.2.1(.17)	ETF121[0.5],k\$[0.94],k\$c[0.19]
1099	SCA Preproduction Evaluation Complete	0 w	6/27/97	6/27/97	1097	As Soon As		
1100	SCA die production	20 w	6/2/97	10/21/97	1097FS-4 w	As Soon As f		PhysU121[0.05]
1101	SCA die packaging	42 w	8/12/97	6/18/98	1100SS+10 w	As Soon As f	1.2.1.2.2.2(.71)	PhysU121[0.05],ETF121[0.5],k\$[0.42],k\$c[0.04]
1102	Place Change Order for Packaging Additional SCAs	2 w	1/15/98	1/28/98	1101SS+20 w	As Soon As f	1.2.1.2.2.2(.29)	k\$[0.17],k\$c[0.02]

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1103	Fermlab SCA Tester Design	42 w	9/10/97	7/17/98	1101FF+4 w	As Soon As F	1.2.1.2.2.3(.52),1.2.1.2.2.4	EEF121[0.2],ETF121[0.5],k\$[0.03]
1104	Test SCAs	33 w	11/20/97	7/27/98	1103	As Soon As F	1.2.1.2.2.3(.48)	ETF121[0.5],k\$[0.03]
1105	SCA 24-wafer prototype production	13 w	8/17/98	11/16/98		Start No Earl		
1106	SCA 24-wafer prototype packaging	4 w	11/17/98	12/16/98	1105	As Soon As F		
1107	SCA 24-wafer Acceptance Tests	21 w	12/17/98	5/27/99	1106	As Soon As F		
1108	SCA wafer final production	14 w	5/28/99	9/3/99	1107	As Soon As F	1.2.1.2.2.1(.1)	k\$[0.55],k\$c[0.11]
1109	Final SCA Fabrication Complete	0 w	9/3/99	9/3/99	1108	As Soon As		
1110	SCA wafer packaging	4.4 w	9/7/99	10/6/99	1109	As Soon As F		
1111	Start FNAL SCA Testing	0 w	10/18/99	10/18/99	1110FS+1.6 w	As Soon As		
1112	Test SCAs	5.2 w	10/19/99	11/23/99	1104,1111	As Soon As F		
1113	SCA Testing 50% Complete	0 w	11/3/99	11/3/99	1112SS+60 %	As Soon As		
1114	SCA Testing Complete	0 w	11/23/99	11/23/99	1112	As Soon As		
1115	Package additional SCAs	4 w	2/16/00	3/14/00	1114	Start No Earl		ETF121[0.2],Liston[0.2]
1116	Test additional SCAs	2 w	3/15/00	3/28/00	1115	As Soon As F		ETF121,PhysU121[0.2],Jollif,Gao[0.2]
1117	Shaper Hybrid construction	247.8 w	3/1/95	2/22/00		As Soon As		
1118	Finalize shaper hybrid design	181 w	3/1/95	10/5/98		As Soon As F		EEU121[0.3],PhysU121[0.1]
1119	Order First Shaper Hybrid Parts	24 w	6/10/97	11/26/97		Start No Earl	1.2.1.2.3.2.1.1.2.1.2.4.4.1.1.2.1.	k\$[3.48],k\$c[0.09]
1120	Stony Brook MOU -FY96	6.32 w	8/15/96	9/30/96		Start No Earl	1.2.1.2.6.4,1.2.1.2.3.1.1(.16),1.2	k\$[1.62],k\$c[0.24]
1121	Bid shaper hybrid	6 w	10/6/98	11/16/98	1118	As Soon As F		EEU121[0.5],PhysU121[0.05]
1122	Place shaper hybrid order	4 w	8/9/99	9/3/99	1121	Start No Earl		EEU121[0.05]
1123	Vendor 1st production	10 w	9/7/99	11/15/99	1119,1122	As Soon As F		EEU121[0.1]
1124	Certify 1st production	8 w	11/16/99	1/26/00	1123	As Soon As F		EEU121,PhysU121[0.5],Schamberger[0.5],Manziona
1125	Shaper Hybrid Design and Test Complete	0 w	1/26/00	1/26/00	1124	As Soon As		
1126	Place SB MOU-FY98(shaper hybrid)	4 w	9/4/98	10/2/98		Start No Earl	1.2.1.2.3.2.2,1.2.1.2.3.2.3,1.2.1.	k\$[4.58],k\$c[0.46]
1127	Shaper Hybrid Production Started	0 w	1/20/00	1/20/00	1128SS	As Soon As		
1128	Vendor shaper hybrid production & test	4.8 w	1/20/00	2/22/00	1120,1124,1125	As Soon As F		EEU121[0.1],Manziona[0.1]
1129	Shaper Hybrid 50% Complete	0 w	2/22/00	2/22/00	1128SS+95 %	As Soon As		
1130	Shaper Hybrid Construction Complete	0 w	2/22/00	2/22/00	1128	As Soon As		
1131	Trigger Sum, Backplane Construction	183.8 w	5/2/97	1/22/01		As Soon As		
1132	Place SB MOU-FY98(Buffer,Control, Trigger Sum,Backplane	0.2 w	9/4/98	9/4/98	1126SS	As Soon As F	1.2.1.2.4.2.1-1.2.1.2.4.2.3,1.2.1.	k\$[2.23],k\$c[0.27]
1133	Finalize designs	72 w	5/2/97	10/12/98	1118SS+50 %	Start No Earl		EEU121[0.3],PhysU121[0.1]
1134	Trigger Sum Design and Test Complete	0 w	10/12/98	10/12/98	1133	As Soon As		
1135	Bid designs	27 w	11/1/99	5/23/00	1133,1134	Start No Earl		EEU121[0.5],PhysU121[0.05],Manziona[0.5],Schamberger[0.05]
1136	Place orders	6 w	5/24/00	7/6/00	1132,1135	As Soon As F		EEU121[0.05],Manziona[0.05]
1137	Vendor 1st production	4 w	7/7/00	8/3/00	1136	As Soon As F		EEU121[0.1],Manziona[0.1]
1138	Assembly 1st production	4 w	8/4/00	8/31/00	1137	As Soon As F		EEU121[0.1],Manziona[0.1]
1139	Certify 1st production	1 w	9/1/00	9/8/00	1138	As Soon As F		EEU121,PhysU121,Manziona,Schamberger
1140	Place SB MOU-FY99 (BLS Controller)	0.2 w	9/11/00	9/11/00	1139	As Soon As F	1.2.1.2.9(.83)	k\$[0.97],k\$c[0.19]
1141	Trigger Sum Production Started	0 w	9/11/00	9/11/00	1142SS	As Soon As		
1142	Vendor production	5 w	9/11/00	10/13/00	1139	As Soon As F		EEU121[0.05],Manziona[0.05]
1143	Trigger Sum Production Complete	0 w	10/13/00	10/13/00	1142	As Soon As		
1144	Assembly	5 w	10/16/00	11/17/00	1143	As Soon As F		EEU121[0.05],Manziona[0.05]
1145	Trigger Sum Assembly Complete	0 w	11/17/00	11/17/00	1144	As Soon As		
1146	In house Trigger testing	9 w	11/13/00	1/22/01	1144SS+4 w	Start No Earl		PhysU121[0.05],EEU121[0.2],Manziona[0.2],Schamberger[0.05]
1147	Daughterboard Construction	68.2 w	8/17/99	1/4/01		As Soon As		
1148	Order Daughterboard prototype	4 w	8/17/99	9/14/99		Start No Earl		
1149	Evaluate prototype	9 w	9/15/99	11/16/99	1148	As Soon As F		
1150	Bid Daughterboard 1st production	4 w	10/27/99	11/23/99	1149FS-3 w	As Soon As F		
1151	Place Daughterboard 1st production order	8 w	11/24/99	2/3/00	1150	As Soon As F		EEU121[0.15],PhysU121[0.1],Schamberger[0.1],Manziona[0.15]
1152	Vendor Daughterboard 1st production	4 w	2/25/00	3/23/00	1151FS+3 w	As Soon As F		EEU121[0.05],PhysU121[0.05],Manziona[0.05],Schamberger[0.05]
1153	Assembly of Daughterboard 1st production	11 w	3/24/00	6/9/00	1152	As Soon As F		EEU121[0.1],PhysU121[0.05],Manziona[0.1],Schamberger[0.05]
1154	Certify Daughterboard 1st production	7 w	6/20/00	8/8/00	1153,1169FF	As Soon As F		EEU121[0.25],PhysU121[0.25],Manziona[0.25],Schamberger[0.25]
1155	Daughterboard Vendor Production Started	0 w	8/8/00	8/8/00	1154	As Soon As		
1156	Vendor daughterboard full production	8 w	8/9/00	10/4/00	1155	As Soon As F		EEU121[0.05],PhysU121[0.05],Manziona[0.05],Schamberger[0.05]
1157	Daughterboard Vendor Production Complete	0 w	10/4/00	10/4/00	1156	As Soon As		
1158	Daughterboard Assembly	8 w	10/5/00	12/1/00	1156SS+8 w	As Soon As F		EEU121[0.05],PhysU121[0.05],Manziona[0.05],Schamberger[0.05]
1159	Daughterboard Testing Started	0 w	11/2/00	11/2/00	1160SS	As Soon As		
1160	Test Daughterboard	8 w	11/2/00	1/4/01	1158SS+4 w	As Soon As F		EEU121[0.15],PhysU121[0.05],Manziona[0.15],Schamberger[0.05]
1161	Daughterboard Testing Complete	0 w	1/4/01	1/4/01	1160	As Soon As		
1162	BLS Motherboard construction	156.4 w	10/22/97	12/26/00		As Soon As		
1163	Place SB MOU-FY98(Motherboard)	0.2 w	9/4/98	9/4/98	1126SS	As Soon As F	1.2.1.2.6.5	k\$[1.88],k\$c[0.19]
1164	Finalize designs & prototype	89 w	10/22/97	8/13/99	1118SS+90 %,1133SS+50 %	As Soon As F		EEU121[0.3],PhysU121[0.1]
1165	Evaluate prototype	5 w	8/16/99	9/20/99	1164	As Soon As F		
1166	Bid BLS motherboard	12 w	10/27/99	2/3/00	1149FS-3 w,1165	As Soon As F		EEU121[0.1],PhysU121[0.05],Manziona[0.1],Schamberger[0.05]
1167	Place BLS motherboard order	2 w	5/22/00	6/5/00	1166FS+3 w	Start No Earl		EEU121[0.05],Manziona[0.05]
1168	Vendor 1st production	4 w	6/6/00	7/3/00	1167	As Soon As F		EEU121[0.05],PhysU121[0.05],Manziona[0.05],Schamberger[0.05]
1169	Assemble BLS Motherboard 1st production	5 w	7/5/00	8/8/00	1168	As Soon As F		EEU121[0.1],PhysU121[0.05],Manziona[0.1],Schamberger[0.05]
1170	Certify 1st production	2 w	8/9/00	8/22/00	1169	As Soon As F		EEU121[0.25],PhysU121[0.25],Manziona[0.25],Schamberger[0.25]
1171	BLS Motherboard Design and Test Complete	0 w	8/22/00	8/22/00	1170	As Soon As		
1172	Bid & order BLS Motherboard	1 w	8/23/00	8/29/00	1170	As Soon As F		EEU121[0.1],PhysU121[0.05],Manziona[0.1],Schamberger[0.05]
1173	BLS Motherboard Production Starts	0 w	8/30/00	8/30/00	1174SS	As Soon As		
1174	Vendor BLS motherboard production	6 w	8/30/00	10/11/00	1126,1172	As Soon As F		EEU121[0.05],Manziona[0.05]

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1175	BLS Motherboard Production Complete	0 w	10/11/00	10/11/00	1174	As Soon As		
1176	Assembly of BLS Motherboard	6 w	10/12/00	11/22/00	1175	As Soon As f		EEU121[0.1],Manziona[0.1]
1177	BLS Motherboard Assembly Complete	0 w	11/22/00	11/22/00	1176	As Soon As		
1178	In house BLS motherboard test	6 w	11/9/00	12/26/00	1176SS+4 w	As Soon As f		PhysU121[0.05],EEU121[0.5],Manziona[0.5],Schamberger[0.05]
1179	BLS Assembly/Test	6 w	11/20/00	1/8/01	1104SS+50 %,1146SS+1 w,116	As Soon As f		EEU121,PhysU121[0.5],Manziona,Schamberger[0.5]
1180	M2-Calorimeter BLS Assembly Complete	0 w	1/8/01	1/8/01	1112,1130,1179	As Soon As		
1181	BLS Power Supply Construction	35 w	12/17/99	9/5/00		As Soon As		
1182	Order Prototype Parts/Transformers	7 w	12/17/99	2/17/00	1094,1118,1133,1164	Start No Earl		EEF121[0.2],ETF121[0.1],Huffman[0.2],Minor[0.1]
1183	Test Prototype supply	2 w	2/18/00	3/2/00	1182	As Soon As f		EEF121[0.1],ETF121[0.2],Huffman[0.1],Liston[0.2]
1184	M3-Calorimeter BLS PS Prototype Built/Tested	0 w	3/2/00	3/2/00	1183	As Soon As		
1185	Bid transformer	1 w	3/15/00	3/21/00	1123SS,1136,1183,1184	As Soon As f		EEF121[0.2],Huffman[0.2]
1186	Order transformer	1 w	3/22/00	3/28/00	1185	As Soon As f	1.2.1.2.8	EEF121[0.1],k\$[0.38],k\$c[0.08],Huffman[0.1]
1187	Vendor delivery	10 w	3/29/00	6/7/00	1186	As Soon As f		ETF121[1.5],EEF121[0.2],Minor[0.5],Cherry[0.5],Liston[0.5],Huffi
1188	Mechanical rework	16 w	4/28/00	8/22/00	1187SS+50 %	As Soon As f		ETF121[2],EEF121[0.2],Minor,Cherry,Huffman[0.2]
1189	Assembly of BLS Power Supplies Started	0 w	4/28/00	4/28/00	1188SS	As Soon As		
1190	Test supplies	17 w	4/28/00	8/29/00	1189SS	As Soon As f		ETF121[0.5],EEF121[0.2],Liston[0.5],Huffman[0.2]
1191	Installation of BLS Power Supplies Started	0 w	5/12/00	5/12/00	1190SS+1 w	As Soon As		
1192	Install BLS power supplies	16 w	5/12/00	9/5/00	1191	As Soon As f		ETF121[2],EEF121[0.1],Liston,Minor,Huffman[0.1],Platform
1193	BLS Power Supplies Installed	0 w	9/5/00	9/5/00	1192	As Soon As		
1194	Calibration system construction	160 w	4/1/97	6/26/00		As Soon As		
1195	Finalize calibration prototype design	58 w	4/1/97	6/1/98	1061	As Soon As f		EEU121,PhysU121[0.2]
1196	Calibration Prototype Design Complete	0 w	6/1/98	6/1/98	1195	As Soon As		
1197	Prototyping	25 w	5/4/98	10/28/98	1195FS-4 w	As Soon As f		EEU121[0.5],ETU121[0.2],PhysU121[0.2]
1198	Prototype Test at Fermilab	3 w	10/29/98	11/18/98	1197	As Soon As f		EEU121,PhysU121
1199	Finalize calibration system design	30 w	11/19/98	7/6/99	1198	As Soon As f		EEU121[0.5],ETU121[0.1],PhysU121[0.1]
1200	Calibration System Design Complete	0 w	7/6/99	7/6/99	1199	As Soon As		
1201	Bid calibration system	4 w	7/7/99	8/3/99	1199	As Soon As f		EEU121[0.1]
1202	Place calibration system order	2 w	8/4/99	8/17/99	1201	As Soon As f	1.2.1.5	EEU121[0.05],k\$[2.1]
1203	Vendor calibration system production	18 w	8/18/99	1/7/00	1202	As Soon As f		EEU121[2],Lebbolo,DelaTaille[0.5],Martin[0.5]
1204	Installation of Calibration System Started	0 w	11/11/99	11/11/99	1205SS	As Soon As		
1205	Installation/debugging	30 w	11/11/99	6/26/00	1203SS+13 w	As Soon As f		EEU121,PhysU121[2],Lebbolo[0.5],DelaTaille[0.5],Olivier,Bassle
1206	Calibration system Installed & Debugged	0 w	6/26/00	6/26/00	1205	As Soon As		
1207	Timing & Control System construction	101.4 w	9/4/98	9/26/00		As Soon As		
1208	Place SB MOU-FY98(Timing and Control System)	0.2 w	9/4/98	9/4/98	1126SS	As Soon As f	1.2.1.4.1.(12),1.2.1.4.2.(12),1.2.	k\$[0.2],k\$c[0.04]
1209	Finalize timing system design	51 w	6/18/99	6/29/00	1118,1133,1164FS-8 w	As Soon As f		PhysU121[1.1],Schamberger[0.1],UnknownPhysU121
1210	Design Fanout System	14 w	6/18/99	9/27/99	1209SS	As Soon As f		EEU121,PhysU121[0.2]
1211	Timing & Control System Design Complete	0 w	6/29/00	6/29/00	1209,1210	As Soon As		
1212	Bid Fanout System	6 w	6/12/00	7/24/00	1210	Start No Earl		EEU121[0.1],PhysU121[0.1],Manziona[0.1],Schamberger[0.1]
1213	Place Fanout System Order	1 w	7/25/00	7/31/00	1212	As Soon As f	1.2.1.4.2.(88),1.2.1.4.3.(57),1.2.	EEU121[0.05],k\$[0.43],k\$c[0.09],Manziona[0.05]
1214	Produce Fanout System	8 w	8/1/00	9/26/00	1213	As Soon As f		EEU121[0.1],PhysU121[0.05],Manziona[0.1],UnknownPhysU121
1215	Bid timing system	2 w	6/30/00	7/14/00	1209	As Soon As f	1.2.1.4.1.(88),1.2.1.4.5	EEU121[0.1],k\$[1.08],k\$c[0.22],Manziona[0.1]
1216	Place timing system order	1 w	7/17/00	7/21/00	1215	As Soon As f		EEU121[0.05],Manziona[0.05]
1217	Production of Timing System Started	0 w	7/24/00	7/24/00	1218SS	As Soon As		
1218	Vendor timing system production	6 w	7/24/00	9/1/00	1216	As Soon As f		EEU121[0.05],Manziona[0.05]
1219	In house timing system tests	2 w	9/5/00	9/18/00	1218	As Soon As f		EEU121[0.5],PhysU121[0.3],Manziona[0.5],Schamberger[0.05],L
1220	Timing System Installed	0 w	9/18/00	9/18/00	1219	As Soon As		
1221	Install Feedthrough Cables	18 w	5/29/96	10/3/96		As Soon As		
1222	Remove old cable (link to Rollout)	12 w	5/29/96	8/21/96		Start No Earl		ETF121,PhysU121[1.5]
1223	Install new cables	12 w	6/12/96	9/5/96	1222SS+2 w	As Soon As f		ETF121,PhysU121[1.5]
1224	Test new cables	12 w	7/11/96	10/3/96	1223SS+4 w	As Soon As f		PhysU121[2]
1225	Feedthrough to Preamp Cabling Finished	0 w	10/3/96	10/3/96	1224	As Soon As		
1226	Installation	52 w	1/26/00	2/5/01		As Soon As		
1227	Install CC, ECN Preamps	24 w	1/26/00	7/13/00	1087SS+2 w,1089SS+2 w,1205	As Soon As f		ETF121[2],PhysU121[2.5],Liston,Groer,Gao,Tuts[0.5],Minor,PP_
1228	Preamp Installation Started	0 w	1/26/00	1/26/00	1227SS	As Soon As		
1229	Checkout CC, ECN Preamp system	23 w	2/9/00	7/20/00	1209SS+25 w,1227SS+2 w	As Soon As f		EEF121[0.5],ETF121[0.5],PhysU121[2.5],Huffman[0.5],Liston[0.1]
1230	M3-Calorimeter CC,ECN Preamp Installation Complete	0 w	7/20/00	7/20/00	1229	As Soon As		
1231	Install BLS system	6 w	12/6/00	1/22/01	1179SS+2 w,1190SS+2 w,1214	As Soon As f		ETF121[2],PhysU121[0.2],EEF121[0.1],Liston,Minor,Huffman[0.1]
1232	Check Argon Purity	0 w	7/3/00	7/3/00		Start No Earl		
1233	Ready To Fill Cryostat	0 w	9/1/00	9/1/00	1232,2140	Start No Earl		
1234	Cosmic Ray Start with CC	0 w	12/19/00	12/19/00	1231SS+33 %,1227SS+33 %	As Soon As		
1235	Checkout BLS system	5 w	12/20/00	1/29/01	1219,1231SS+2 w	As Soon As f		EEF121[0.5],ETF121[0.5],PhysU121[2],Huffman[0.5],Liston[0.5],
1236	Final checkout	1 w	1/30/01	2/5/01	1229,1235	As Soon As f		PhysU121[3.2],EEF121[0.1],UnknownPhysU121,Groer,Gao,Tuts
1237	M3-CC, ECN Calorimeter System Checked Out	0 w	2/5/01	2/5/01	1229,1236	As Soon As		
1238	Recable ECS Calorimeter	3 w	10/5/00	10/25/00	1017,2135	As Soon As f		MTF121[2],PhysU121[2.5],ETU121,Liston,Minor,Groer[0.25],Gac
1239	Install ECS Preamps	5 w	10/16/00	11/20/00	1227,1238SS+50 %	As Soon As f		ETF121,PhysU121,Liston[0.5],Gao[0.8],Groer[0.2],Minor[0.5],PP
1240	Checkout ECS Preamp system	4.8 w	10/30/00	12/5/00	1239SS+2 w,1170	As Soon As f		EEF121[0.5],ETF121[0.5],PhysU121[3],Huffman[0.5],Liston[0.5],
1241	Calorimeter Ready to Roll in	0 w	2/5/01	2/5/01	1192,1237	As Soon As		
1242	Checkout of Calorimeter Electronics Complete	0 w	2/5/01	2/5/01	1237,1240	As Soon As		