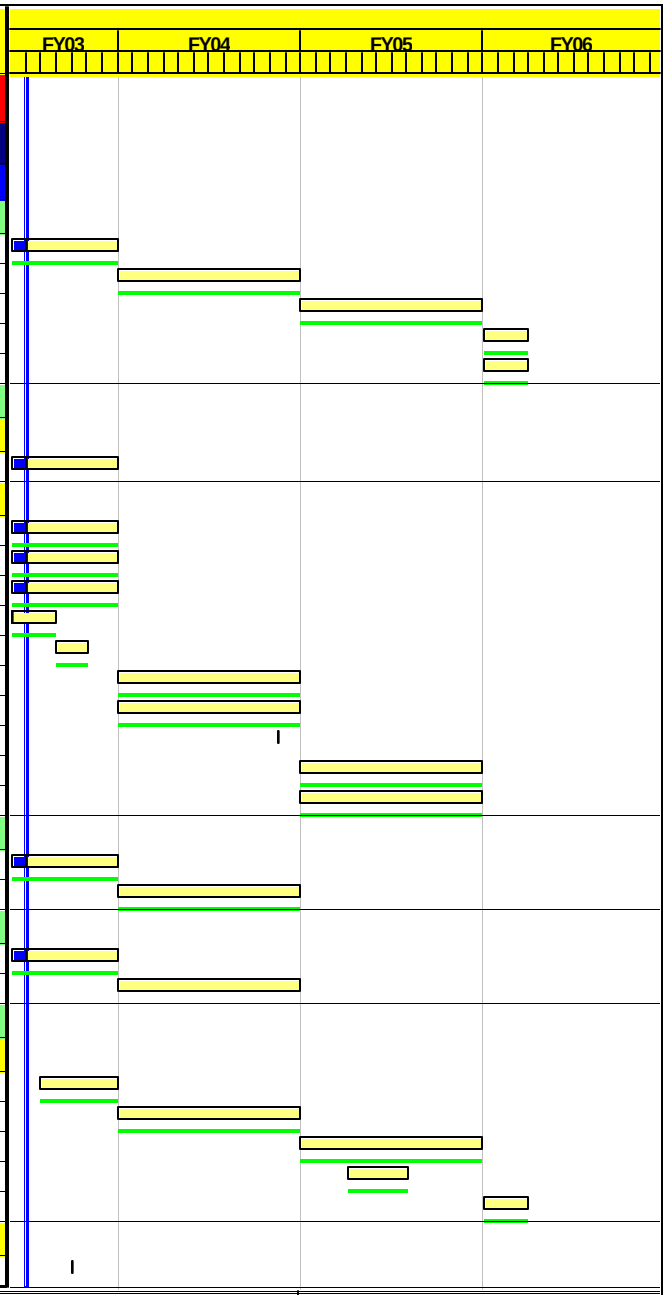
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
1 Spallation Neutron Source Project							
1.04 1.4 Linac Systems (LANL)							
1.04.07 1.4.7 ORNL Coordination							
1.04.07.01 1.4.7.1 ORNL Coordination							
AS10027155	Linac Eqpt and Consumables FY03	14	03MAR03A	30SEP03	539,760	519,000	
AS10027164	Linac Equip and Consumables - FY04	0	01OCT03	30SEP04	1,240,512	1,192,800	
AS10027174	Linac Equip and Consumables - FY05	0	01OCT04	30SEP05	454,674	437,187	
AS10027214	Linac Equip and Consumables - FY06	0	03OCT05	30DEC05	494,001	475,001	
AS14711043	ORNL ASD Field Coordination 1st Qrtr FY06	0	03OCT05	30DEC05	1,028,049	66,346	
1.04.07.04 Linac Installation Services							
1.04.07.04.01 RATS Building							
AS14740001	RATS Building & Utilities Year 3	14	03MAR03A	30SEP03	573,470	562,225	
1.04.07.04.02 Linac Installation Services Group							
AS14714047	RATS Tech Support FY03	14	03MAR03A	30SEP03	55,797	8,156	
AS14740037	Installation Services FY03	14	03MAR03A	30SEP03	562,069	164,632	
AS14740038	RATS Move and Procure Temp Site Offices	14	03MAR03A	30SEP03	450,040	438,500	
ASLT004520	IPL - DTL/CCL Linac Tunnel Building Prep	1	03MAR03A	29MAY03	70,594	1,649	
ASLT004551	SC Linac Tunnel Building Prep	0	30MAY03	01AUG03	34,162	798	
AS14714056	RATS Tech Support FY04	0	01OCT03	30SEP04	133,929	19,565	
AS14740045	Installation Services FY04	0	01OCT03	30SEP04	796,264	76,707	
AS14740046	CMCIP Payment FY04	0	17AUG04*	17AUG04	0	369,558	
AS14714066	RATS Tech Support FY05	0	01OCT04	30SEP05	133,929	19,565	
AS14740055	Installation Services FY05	0	01OCT04	30SEP05	827,413	94,393	
1.04.07.05 Linac FC Power Supplies							
AS14750004	ORNL Field Coordination FY03	14	03MAR03A	30SEP03	330,607	38,140	
AS14750003	ORNL Field Coordination FY04	0	01OCT03	30SEP04	362,102	61,908	
1.04.07.06 Linac FC Diagnostics							
AS14760022	Linac FC diagnostics FY03	14	03MAR03A	30SEP03	170,184	23,190	
AS14760031	Linac FC Diagnostics FY04	0	01OCT03	30SEP04	0	0	
1.04.07.08							
1.04.07.08.01 Linac Spares							
AS14780065	Linac Spares - FY03	0	01MAY03*	30SEP03	260,000	250,000	
AS14780070	Linac Spares - FY04	0	01OCT03	30SEP04	816,211	784,818	
AS14780074	Linac Spares - FY05	0	01OCT04	30SEP05	90,934	87,437	
AS14780066	Spares	0	04JAN05*	03MAY05	385,452	370,627	
AS14780075	Linac Spares - FY06	0	03OCT05	30DEC05	279,776	269,015	
1.04.07.08.02 Linac Spare 402.5 MHz Klystrons							
AS14780003	Deliver Prototype Spare 402.5 MHz Klystron	0	01JUL03*	01JUL03	728,000	700,000	



Start Date 01OCT96
Finish Date 30JUN06
Data Date 01APR03
Run Date 08APR03 16:57

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Early Bar
Baseline
Progress Bar
Critical Activity

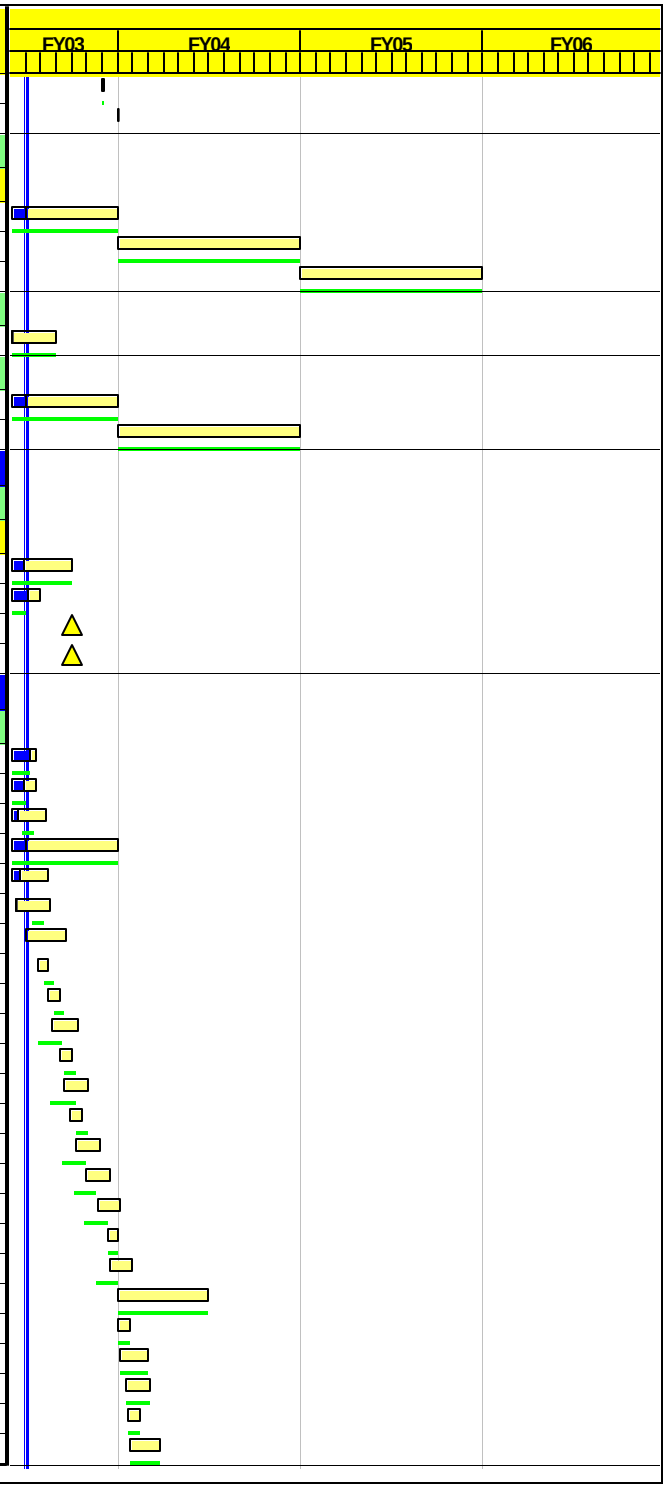
MAR3 - OASD

Detailed Integrated Project Schedule

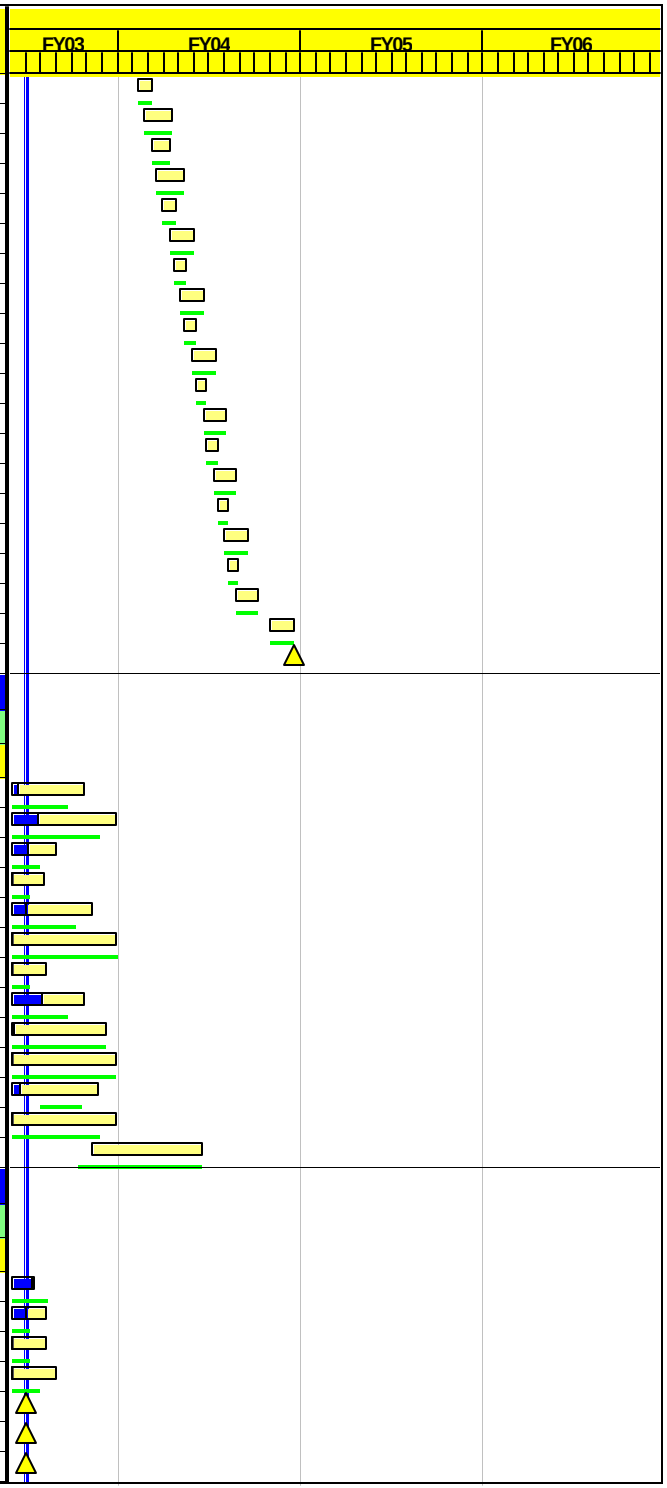
Integration Cycle #55

SNS SPALLATION NEUTRON SOURCE

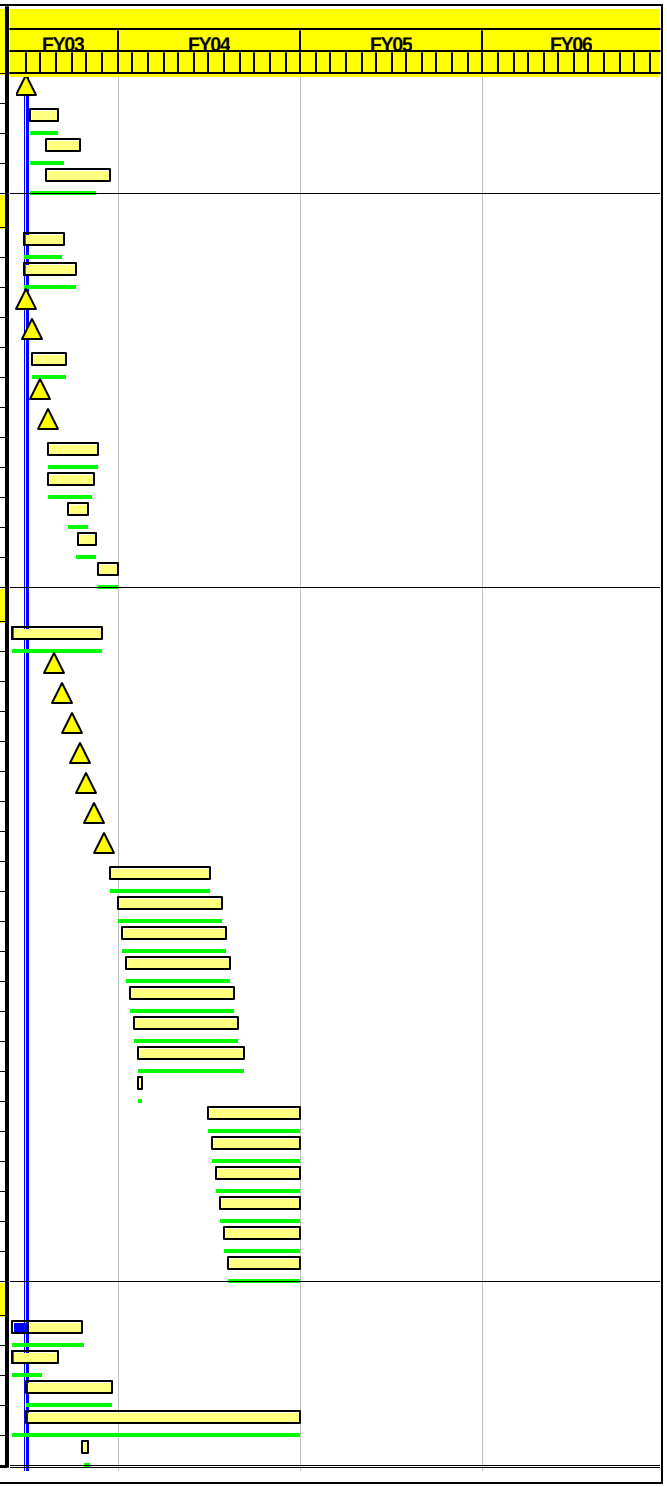
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
AS14780005	Deliver 2nd Spare 402.5 MHz Klystron	0	02SEP03*	02SEP03	364,000	350,000	
AS14780007	Deliver 3rd Spare 402.5 MHz Klystron	0	01OCT03*	01OCT03	364,000	350,000	
1.04.07.10 Linac RF							
1.04.07.10.01 Linac RF							
AS14721088	ORNL Linac FC RF FY03	14	03MAR03A	30SEP03	432,212	57,297	
AS14721086	ORNL Linac FC RF FY04	0	01OCT03	30SEP04	870,957	92,941	
AS14721087	ORNL Linac FC RF FY05	0	01OCT04	30SEP05	493,845	71,400	
1.04.07.11 Linac FC Vacuum							
ASVG001000	RATS Vacuum work for Linac	0	03MAR03A	30MAY03	148,144	3,524	
1.04.07.14 Linac FC Mechanical							
AS14721106	ASD Linac FC Mechanical FY03	14	03MAR03A	30SEP03	510,338	68,393	
AS14721105	ASD Linac FC Mechanical FY04	0	01OCT03	30SEP04	225,151	109,629	
1.04.16 ORNL Transfer Lines Fab Installation							
1.04.16.05 ORNL Transfer Lines/Piping							
1.04.16.05.02 ORNL Transfer Lines/Warm Tunnel Piping							
ASLT025011	Install Tee and Cryogenic Transfer Line	21	03MAR03A	30JUN03	620,984	218,330	SC65
ASXF000010	Manufacture Cryo Transfer Line	62	03MAR03A	30APR03	97,264	55,525	
AS16050315	IPL - T/L to Tee Installation Complete	0		30JUN03	0	0	
AS16050415	IPL - T/L 1000 MeV Installation Complete	0		30JUN03	0	0	
1.04.17 ORNL Support for Cryomodule Fabrication							
1.04.17.04 Cavity/Cryomodule Assy Labor							
AS17040026	CM Assembly of CM M-2	75	03MAR03A	21APR03	13,346	318	
AS17040051	Cavity String Assembly of CM M-5	50	03MAR03A	21APR03	7,597	181	
AS17040061	Cavity String Assembly of CM M-6	18	03MAR03A	09MAY03	7,597	181	
AS17040131	COS and Matls and Supplies FY03	14	03MAR03A	30SEP03	141,470	57,580	
AS17040036	CM Assembly of CM M-3	25	04MAR03A	15MAY03	13,346	318	
AS17040071	Cavity String Assembly of CM M-7	5	13MAR03A	20MAY03	7,597	181	
AS17040046	CM Assembly of CM M-4	0	01APR03	19JUN03	13,346	318	
AS17040080	Cavity String Assembly of CM M-8	0	25APR03	16MAY03	7,597	181	
AS17040090	Cavity String Assembly of CM M-9	0	16MAY03	06JUN03	7,597	181	
AS17040056	CM Assembly of CM M-5	0	22MAY03	14JUL03	13,346	318	
AS17040100	Cavity String Assembly of CM M-10	0	09JUN03	30JUN03	7,597	181	
AS17040066	CM Assembly of CM M-6	0	18JUN03	04AUG03	13,346	318	
AS17040110	Cavity String Assembly of CM M-11	0	30JUN03	23JUL03	7,597	181	
AS17040075	CM Assembly of CM M-7	0	11JUL03	25AUG03	13,346	318	
AS17040085	CM Assembly of CM M-8	0	01AUG03	16SEP03	13,346	318	
AS17040095	CM Assembly of CM M-9	0	22AUG03	07OCT03	13,346	318	
AS17041010	Cavity String Assembly of CM H-1	0	11SEP03*	03OCT03	7,597	181	
AS17040105	CM Assembly of CM M-10	0	15SEP03	28OCT03	13,346	318	
AS17040140	CoS and Matls and Supplies FY04	0	01OCT03*	31MAR04	123,660	51,675	
AS17041020	Cavity String Assembly of CM H-2	0	02OCT03	24OCT03	7,597	181	
AS17041015	CM Assembly of CM H-1	0	06OCT03	02DEC03	13,346	318	
AS17040115	CM Assembly of CM M-11	0	17OCT03*	03DEC03	13,346	318	
AS17041030	Cavity String Assembly of CM H-3	0	23OCT03	14NOV03	7,597	181	
AS17041025	CM Assembly of CM H-2	0	27OCT03	23DEC03	13,346	318	



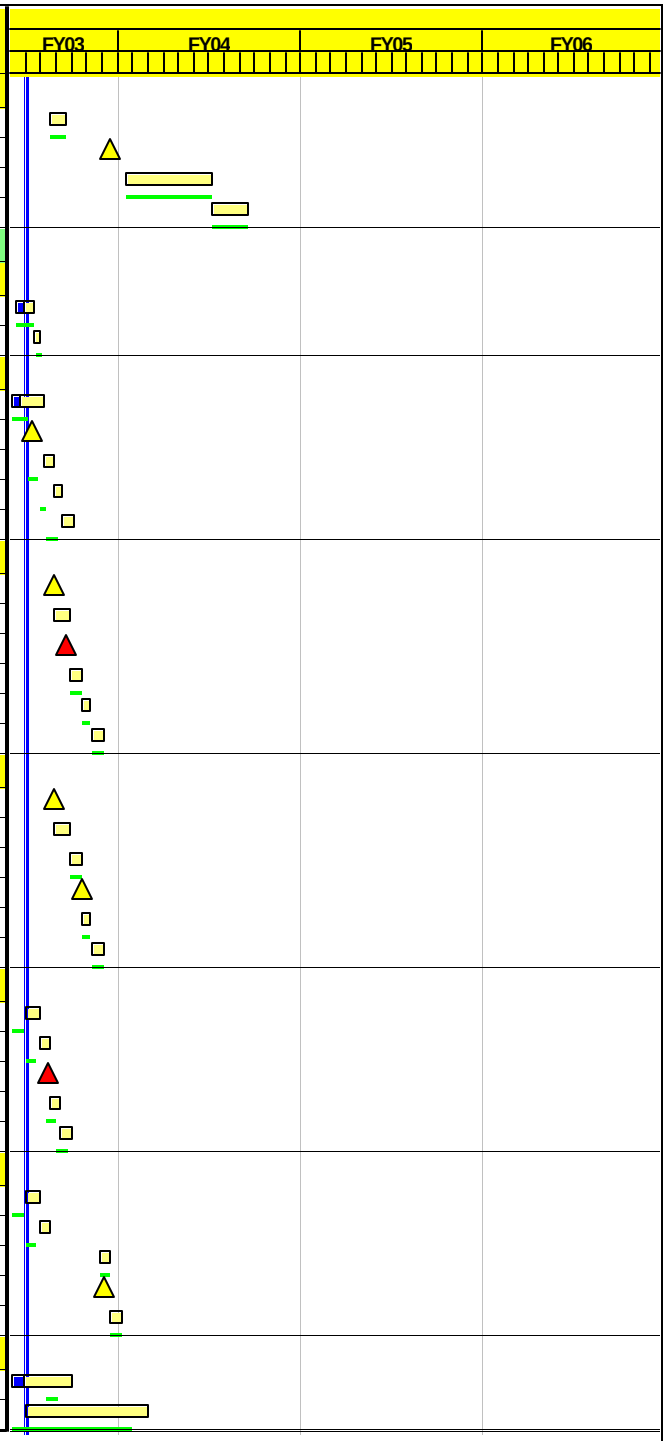
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
AS17041040	Cavity String Assembly of CM H-4	0	13NOV03	09DEC03	10,325	246	
AS17041035	CM Assembly of CM H-3	0	24NOV03	16JAN04	18,131	432	
AS17041050	Cavity String Assembly of CM H-5	0	08DEC03	12JAN04	10,325	246	
AS17041045	CM Assembly of CM H-4	0	19DEC03	09FEB04	18,131	432	
AS17041060	Cavity String Assembly of CM H-6	0	31DEC03	27JAN04	10,325	246	
AS17041055	CM Assembly of CM H-5	0	14JAN04	01MAR04	20,230	482	
AS17041070	Cavity String Assembly of CM H-7	0	23JAN04	13FEB04	10,325	246	
AS17041065	CM Assembly of CM H-6	0	04FEB04	22MAR04	20,230	482	
AS17041080	Cavity String Assembly of CM H-8	0	13FEB04	04MAR04	10,325	246	
AS17041075	CM Assembly of CM H-7	0	27FEB04	13APR04	20,230	482	
AS17041090	Cavity String Assembly of CM H-9	0	05MAR04	26MAR04	10,325	246	
AS17041085	CM Assembly of CM H-8	0	22MAR04	04MAY04	20,230	482	
AS17041100	Cavity String Assembly of CM H-10	0	26MAR04	19APR04	10,325	246	
AS17041095	CM Assembly of CM H-9	0	13APR04	26MAY04	20,230	482	
AS17041110	Cavity String Assembly of CM H-11	0	19APR04	10MAY04	10,325	246	
AS17041105	CM Assembly of CM H-10	0	03MAY04	16JUN04	20,230	482	
AS17041120	Cavity String Assembly of CM H-12	0	10MAY04	28MAY04	10,325	246	
AS17041115	CM Assembly of CM H-11	0	25MAY04	09JUL04	20,230	482	
AS17041125	CM Assembly of CM H-12	0	03AUG04	16SEP04	20,230	482	SC20
AS17041126	Complete Cryomodule Assembly	0		16SEP04	0	0	SC31
1.04.18 ORNL Refrigeration System							
1.04.18.01 ORNL Refrigeration System							
1.04.18.01.01 CHL Facility Installation							
ASCH001026	Install He Gas Storage System	11	03MAR03A	25JUL03	205,419	112,180	
ASCH001176	Install Warm Compressors and Piping	25	03MAR03A	29SEP03	157,205	108,314	
ASCH001451	Install South Wall Piping	39	03MAR03A	30MAY03	39,506	21,973	
ASCH001621	Install CHL & Tunnel Warm Gas Piping	0	03MAR03A	06MAY03	223,865	57,626	
ASCH001701	Install 4.5K MCB	18	03MAR03A	11AUG03	51,770	19,290	
ASCH001980	Install CHL 2.1K SCB	0	03MAR03A	29SEP03	63,000	21,021	
ASCH002271	Install Expansion Cans	0	03MAR03A	09MAY03	9,317	4,439	
ASCH002291	Install Utility Systems	43	03MAR03A	25JUL03	301,808	78,315	
ASCH002410	Install CHL Dewars and Piping	4	03MAR03A	08SEP03	37,746	19,723	
ASCH002421	Procure/Install 7000L Dewar	0	03MAR03A	29SEP03	170,514	85,860	
ASCH002610	Install Recovery Compressors & Purifier	10	03MAR03A	21AUG03	91,173	33,441	
ASCH002691	Install/Test CHL Control Room	0	03MAR03A	29SEP03	5,632	296	
ASCH005010	CHL System Commissioning	0	12AUG03	19MAR04	525,893	81,110	
1.04.19 ORNL Linac Assembly & Installation							
1.04.19.01 ORNL RF Assembly & Installation							
1.04.19.01.01 ORNL DTL RF Systems Installation							
ASKB001011	KH - RFQ_ME1 Checkout Testing	98	03MAR03A	18APR03	5,929	763	
ASKB010001	KH - Install DTL_ME2 Systems	43	03MAR03A	09MAY03	81,002	7,410	
ASKB015001	Install DTL_ME3 System	1	03MAR03A	09MAY03	95,400	8,827	
ASLT004021	Install Linac Tunnel Waveguide	0	03MAR03A	29MAY03	105,827	5,007	
ASIPL00P08	IPL - Deliver HVCM #3	0		31MAR03	0	0	
ASIPL00P10	IPL - Deliver HVCM #4	0		31MAR03	0	0	
ASIPL00P12	IPL - Deliver HVCM #5	0		31MAR03	0	0	



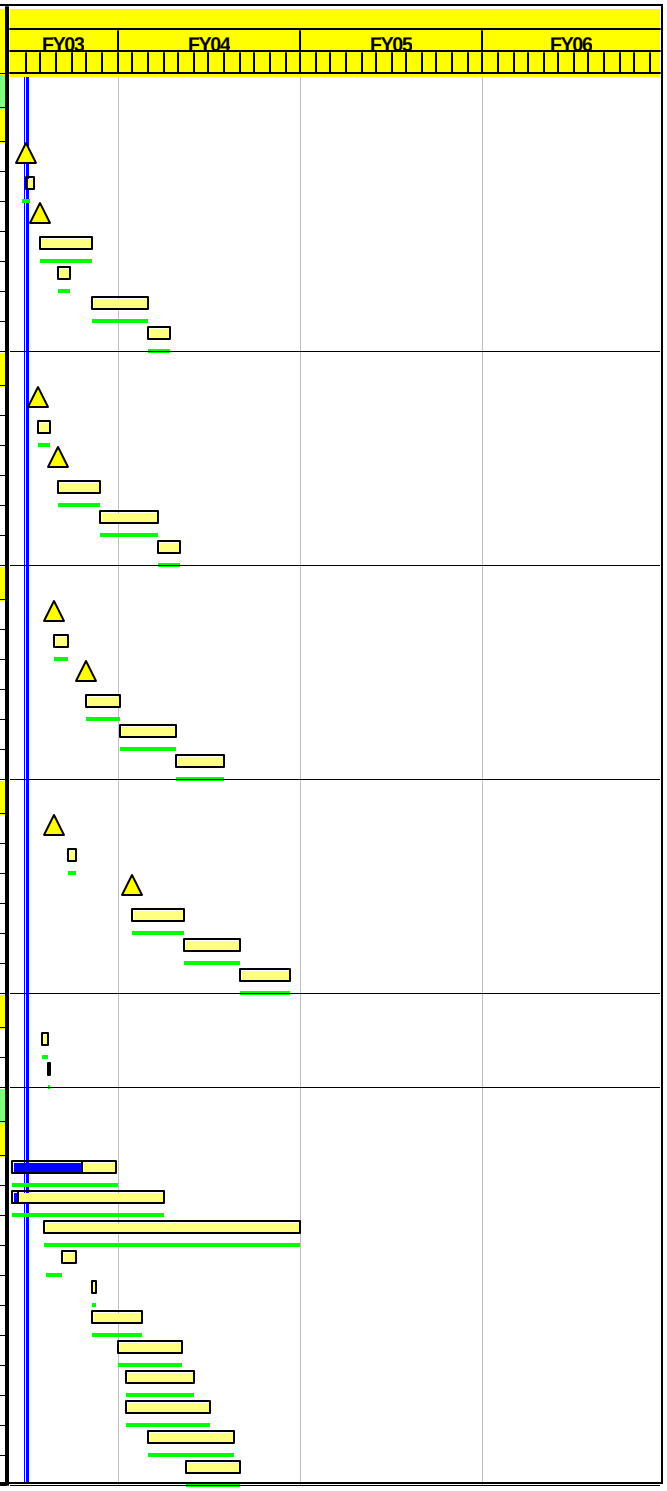
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
ASIPL05040	IPL - Deliver HVCM #2	0		31MAR03	0	0	
ASKB001501	KH - DTL_ME1 Integrated Testing	0	08APR03	02JUN03	56,522	9,739	
ASKB010101	KH - DTL_ME2 Integrated Testing	0	12MAY03	17JUL03	95,933	10,409	
ASKB015051	DTL_ME3 Integrated Testing	0	12MAY03	17SEP03	86,697	10,209	
1.04.19.01.02	**ORNL CCL RF Systems Installation**						
ASKB020001	Install CCL_ME1	3	28MAR03A	16JUN03	105,955	4,576	
ASKB030011	Install CCL_ME3 System	3	28MAR03A	11JUL03	75,385	6,906	
ASIPL00P14	IPL - Deliver HVCM #6	0		31MAR03	0	0	
ASIPL00P16	IPL - Deliver HVCM #7	0		11APR03	0	0	
ASKB025011	Install CCL_ME2	0	14APR03	20JUN03	70,759	6,670	
ASIPL00P18	IPL - Deliver HVCM #8	0		28APR03	0	0	
ASIPL00P20	IPL - Deliver HVCM #9	0		13MAY03	0	0	
ASKB035011	Install CCL_ME4 System	0	14MAY03	22AUG03	89,566	4,359	
ASKB020501	CCL_ME1 Integrated Testing	0	16MAY03	14AUG03	59,350	6,110	
ASKB025050	CCL_ME2 Integrated Testing	0	23JUN03	04AUG03	59,844	6,168	
ASKB030050	CCL_ME3 Integrated Testing	0	14JUL03	20AUG03	59,350	6,110	
ASKB035050	CCL_ME4 Integrated Testing	0	25AUG03	03OCT03	7,202	1,284	
1.04.19.01.03	**ORNL SCL RF Systems Installation**						
ASKB039011	Install SCL_ME1 System	0	03MAR03A	29AUG03	210,634	55,157	
ASIPL00P22	IPL - Deliver HVCM #10	0		28MAY03	0	0	
ASIPL00P24	IPL - Deliver HVCM #11	0		13JUN03	0	0	
ASIPL00P26	IPL - Deliver HVCM #12	0		30JUN03	0	0	
ASIPL00P28	IPL - Deliver HVCM #13	0		16JUL03	0	0	
ASIPL00P30	IPL - Deliver HVCM #14	0		31JUL03	0	0	
ASIPL00P32	IPL - Deliver HVCM #15	0		15AUG03	0	0	
ASIPL00P34	IPL - Deliver HVCM #16	0		02SEP03	0	0	
ASKB039050	SCL_ME1 Integrated Testing	0	16SEP03	01APR04	108,259	34,258	
ASKB044016	Install SCL_ME2 System	0	02OCT03	27APR04	190,868	23,138	
ASKB049016	Install SCL_ME3 System	0	10OCT03	05MAY04	214,711	24,465	
ASKB054015	Install SCL_ME4 System	0	17OCT03	12MAY04	210,127	24,189	
ASKB059015	Install SCL_ME5 System	0	27OCT03	19MAY04	185,741	19,886	
ASKB064015	Install SCL_ME6 System	0	04NOV03	28MAY04	204,577	31,087	
ASKB069015	Install SCL_ME7 System	0	12NOV03	08JUN04	235,730	33,933	
ASKB081120	Install Other Necessary Racks	0	12NOV03	19NOV03	27,823	2,830	
ASKB044050	SCL_ME2 Integrated Testing	0	30MAR04	30SEP04	47,967	33,228	
ASKB049050	SCL_ME3 Integrated Testing	0	08APR04	30SEP04	37,244	22,851	
ASKB054050	SCL_ME4 Integrated Testing	0	15APR04	30SEP04	161,623	27,323	
ASKB059050	SCL_ME5 Integrated Testing	0	22APR04	30SEP04	190,227	28,850	
ASKB064050	SCL_ME6 Integrated Testing	0	30APR04	30SEP04	208,307	34,968	
ASKB069050	SCL_ME7 Integrated Testing	0	11MAY04	30SEP04	279,674	42,997	
1.04.19.01.04	**ORNL RF Test Facility Installation**						
ASTF001661	Install RFTF_ME System	24	03MAR03A	22JUL03	52,017	3,151	
ASTF003481	Install RFTF_ME (805MHz)	0	03MAR03A	02JUN03	28,651	1,865	
ASTF004441	RFTF_ME Systems Test and Integration	0	01APR03	19SEP03	62,434	13,793	
ASTF010000	RF Component Testing	0	01APR03	29SEP04	115,711	2,757	
ASTF001440	Install RF Test Facility RCCS Skid	0	23JUL03	01AUG03	8,504	455	



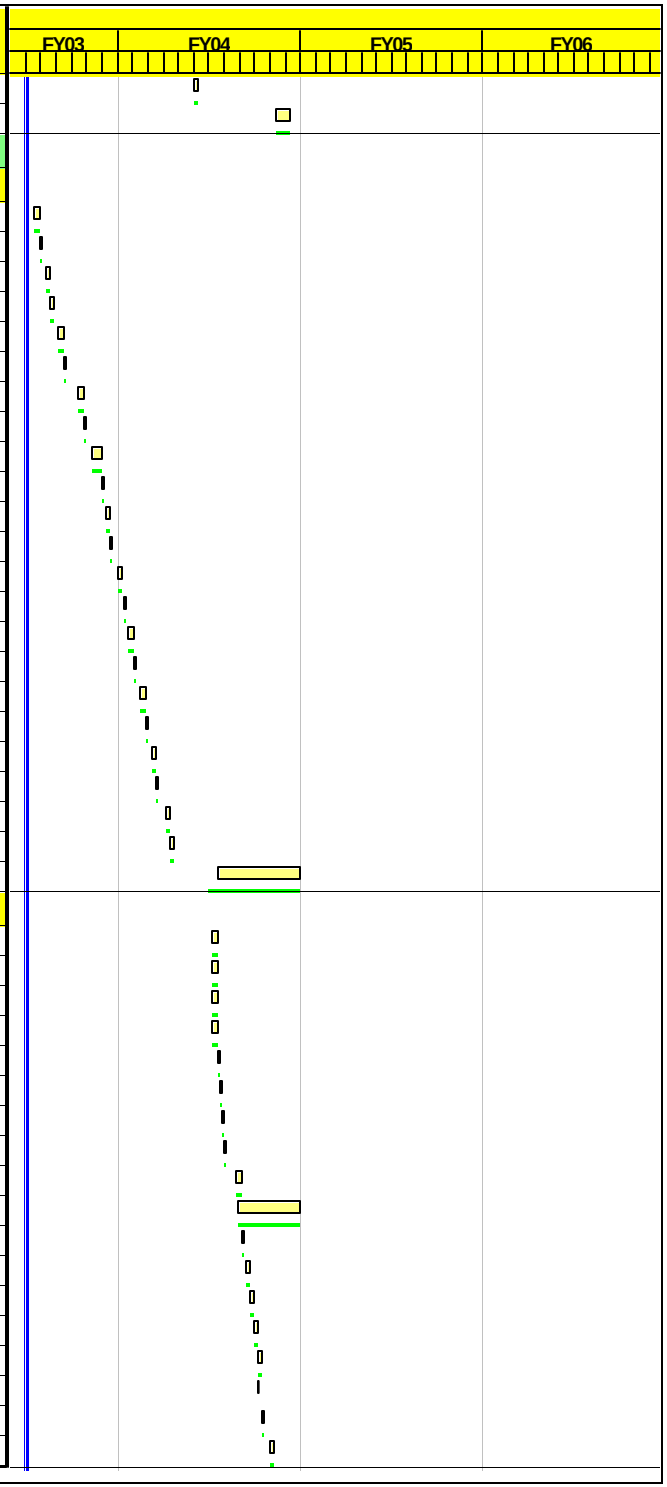
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
1.04.19.01.06	**Linac Matching Section Installation**						
ASHT000200	LAMS RF Waveguide Installation	0	21MAY03	19JUN03	12,902	631	
ASIPL00P36	IPL - Deliver HVCM #17	0		17SEP03	0	0	
ASHS007040	HEBT_ME9 System Installation	0	17OCT03	08APR04	228,284	15,848	
ASHS007090	HEBT_ME9 System Integrated Testing	0	09APR04	17JUN04	50,528	7,380	
1.04.19.02	**ORNL DTL Assembly & Installation**						
1.04.19.02.01	**ORNL DTL Tank 3 Assembly & Installation**						
ASDT001001	Install/Tune DTL - 3	47	14MAR03A	16APR03	75,478	8,797	DTL045
ASDT001100	DTL - 3 Integrated Testing	0	17APR03	29APR03	10,532	6,372	
1.04.19.02.02	**ORNL DTL Tank 1 Assembly & Installation**						
ASDT000105	DTL 1 - Assemble/Transport to Site	26	03MAR03A	05MAY03	20,493	5,267	
ASDT000104	IPL - Receive last DTL1 Drift Tubes from LANL	0		11APR03*	0	0	
ASDT000103	Connect DTL 1 Subsystems	0	06MAY03	27MAY03	2,213	48	
ASDT002001	Install/Tune DTL - 1	0	28MAY03	10JUN03	66,422	8,622	DTLINK31
ASDT002100	DTL - 1 Integrated Testing	0	11JUN03	07JUL03	14,492	6,469	
1.04.19.02.03	**ORNL DTL Tank 5 Assembly & Installation**						
ASDT000500	Deliver DTL Tank 5	0		26MAY03*	0	0	
ASDT000505	DTL 5 - Assemble/Transport to Site	0	27MAY03	27JUN03	36,521	5,027	
ASDT000504	IPL - Receive last DTL5 Drift Tubes from LANL	0		20JUN03*	0	0	
ASDT000503	Connect DTL 5 Subsystems	0	30JUN03	22JUL03	2,213	48	
ASDT004000	Install/Tune DTL - 5	0	23JUL03	08AUG03	66,584	8,669	
ASDT004100	DTL - 5 Integrated Testing	0	11AUG03	03SEP03	10,532	6,372	
1.04.19.02.04	**ORNL DTL Tank 6 Assembly & Installation**						
ASDT000600	Deliver DTL Tank 6	0		26MAY03*	0	0	
ASDT000605	DTL 6 - Assemble/Transport to Site	0	27MAY03	27JUN03	35,518	4,868	
ASDT000603	Connect DTL 6 Subsystems	0	30JUN03	22JUL03	2,213	48	
ASDT000604	IPL - Receive last DTL6 Drift Tubes from LANL	0		21JUL03*	0	0	
ASDT005000	Install/Tune DTL - 6	0	23JUL03	08AUG03	69,678	9,094	DTLIN
ASDT005100	DTL - 6 Integrated Testing	0	11AUG03	03SEP03	10,532	6,372	DTL080
1.04.19.02.05	**ORNL DTL Tank 4 Assembly & Installation**						
ASDT000402	DTL 4 - Assemble/Transport to Site	0	01APR03*	29APR03	42,877	4,337	
ASDT000403	Connect DTL 4 Subsystems	0	30APR03	20MAY03	2,213	48	
ASDT000404	IPL - Receive last DTL4 Drift Tubes from LANL	0		13MAY03*	0	0	
ASDT003000	Install/Tune DTL 4	0	21MAY03	09JUN03	75,749	9,430	
ASDT003100	DTL - 4 Integrated Testing	0	10JUN03	02JUL03	48,450	7,224	
1.04.19.02.06	**ORNL DTL Tank 2 Assembly & Installation**						
ASDT000202	DTL 2 - Assemble/Transport to Site	0	01APR03*	29APR03	37,622	5,644	
ASDT000203	Connect DTL 2 Subsystems	0	30APR03	20MAY03	2,055	48	
ASDT006000	Install/Tune DTL Drift Tubes	0	27AUG03	17SEP03	29,632	8,338	
ASDT000204	IPL - Receive last DTL 2 Drift Tubes from LANL	0		02SEP03*	0	0	
ASDT006100	DTL - 2 Integrated Testing	0	18SEP03	10OCT03	48,450	7,224	
1.04.19.02.07	**DTL D-Plate Installation and Shielding**						
ASDT090010	Install D-Plate for DTL-1 Commissioning	23	03MAR03A	02JUL03	18,306	1,602	
ASLTSH0401	Linac Tunnel Shielding	0	01APR03	02DEC03	25,085	3,100	



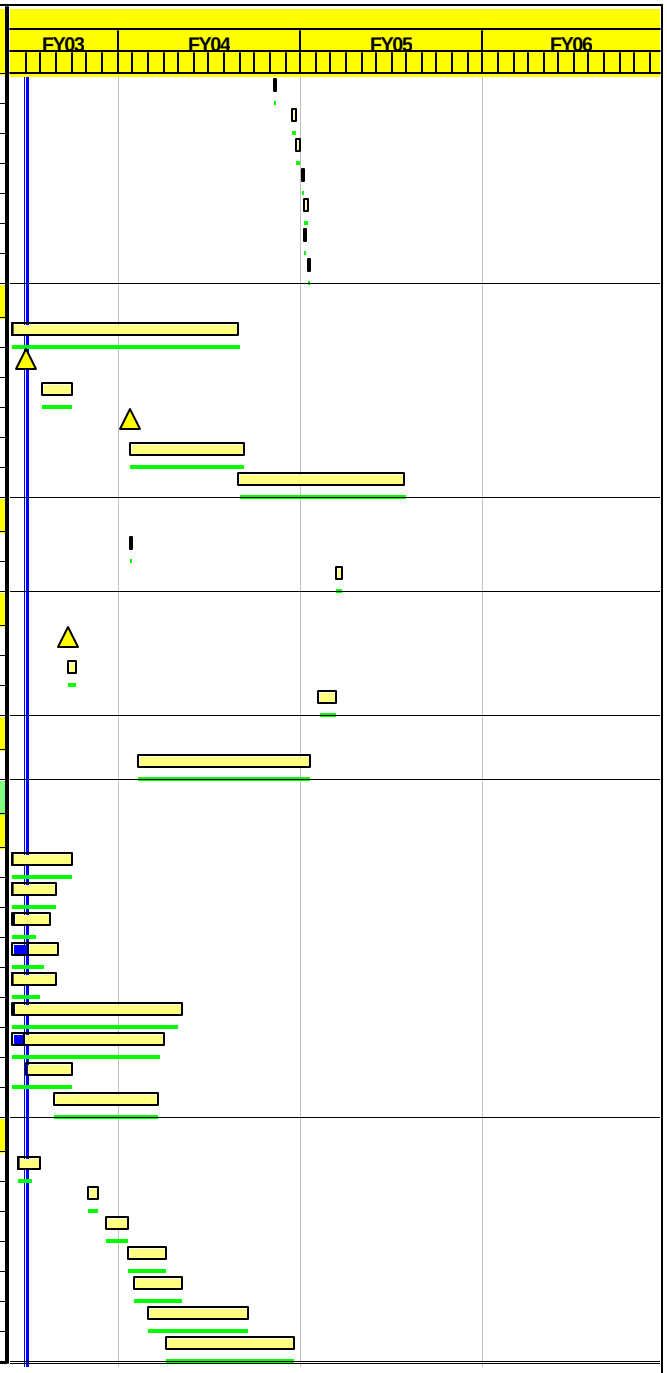
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
1.04.19.03 ORNL CCL Assembly & Installation							
1.04.19.03.01 ORNL CCL Module 1 Assembly & Installation							
ASCC000099	IPL - Deliver EMQ Magnets	0		31MAR03	0	0	
ASCC00010A	CCL-1 - Intersegment Beam Pipe Assy	0	01APR03	16APR03	15,553	2,327	
ASCC000101	IPL - Deliver CCL Module 1	0		30APR03	0	0	
ASCC000102	CCL 1- Assemble/Tune/Transport to Site	0	01MAY03	11AUG03	31,395	5,039	CCLFB70
AS14452T54	Procure CCL Water Transfer Lines - ORNL	0	06JUN03	26JUN03	33,628	32,335	
ASCC002100	Install/Test CCL - 1	0	12AUG03	02DEC03	113,062	17,203	CCLFB110
ASCC002150	CCL - 1 Integrated Testing	0	03DEC03	14JAN04	45,056	6,060	
1.04.19.03.02 ORNL CCL Module 2 Assembly & Installation							
ASCC000199	IPL - Deliver EMQ Magnets	0		24APR03	0	0	
ASCC000200	CCL-2 - Intersegment Beam Pipe Assy	0	25APR03	20MAY03	15,487	2,263	
ASCC000201	IPL - Deliver CCL Module 2	0		03JUN03	0	0	
ASCC000202	CCL 2 - Assemble/Tune/Transport to Site	0	04JUN03	28AUG03	35,418	5,091	
ASCC002400	Install/Test CCL - 2	0	29AUG03	19DEC03	141,542	17,098	
ASCC002450	CCL - 2 Integrated Testing	0	22DEC03	03FEB04	45,056	6,060	
1.04.19.03.03 ORNL CCL Module 3 Assembly & Installation							
ASCC000299	IPL - Deliver EMQ Magnets	0		28MAY03	0	0	
ASCC000300	CCL-3 - Intersegment Beam Pipe Assy	0	29MAY03	23JUN03	15,487	2,263	
ASCC000301	IPL - Deliver CCL Module 3	0		28JUL03	0	0	
ASCC000302	CCL 3 - Assemble/Tune/Transport to Site	0	29JUL03	07OCT03	35,418	5,091	
ASCC002700	Install/Test CCL - 3	0	08OCT03	27JAN04	144,689	17,690	
ASCC002750	CCL - 3 Integrated Testing	0	28JAN04	30APR04	45,056	6,060	
1.04.19.03.04 ORNL CCL Module 4 Assembly & Installation							
ASCC000399	IPL - Deliver EMQ Magnets	0		28MAY03	0	0	
ASCC000400	CCL-4 - Intersegment Beam Pipe Assy	0	24JUN03	11JUL03	16,966	2,472	
ASCC000401	IPL - Deliver CCL Module 4	0		28OCT03	0	0	
ASCC000402	CCL 4 - Assemble/Tune/Transport to Site	0	29OCT03	11FEB04	35,418	5,091	
ASCC003000	CCL-4 Install and Test	0	12FEB04	01JUN04	133,199	16,080	
ASCC003100	CCL - 4 Integrated testing	0	02JUN04	09SEP04	45,056	6,060	
1.04.19.03.05 ORNL LEDPS Assembly & Installation							
ASCC051100	LEDPS Assembly/Test/Transport to Site	0	05MAY03	13MAY03	7,671	1,069	
ASSC001000	Install LEDPS	0	14MAY03	19MAY03	6,876	795	
1.04.19.04 ORNL Diagnostics Assembly & Installation							
1.04.19.04.01 Diagnostics Assembly & Installation							
ASDG500201	DTL Diagnostics Assembly	69	03MAR03A	29SEP03	44,113	11,786	
ASDT015141	DTL Diagnostics Installation	5	03MAR03A	31DEC03	71,413	13,850	
ASSC060100	SCL Diagnostics Installation	0	09MAY03*	28SEP04	174,533	38,899	
ASDT091020	DTL Diagnostics Commissioning Structure	0	11JUN03	11JUL03	20,208	1,946	
ASLT050160	DTL Tunnel Diagnostics Installation	0	11AUG03	20AUG03	7,931	1,096	
ASDG500208	CCL Diagnostics Assembly	0	12AUG03	18NOV03	28,144	4,514	
ASLT053020	SCL Tunnel Diagnostics Installation	0	01OCT03*	06FEB04	60,697	12,356	
ASDG500235	CCL BLM Assembly	0	20OCT03*	03MAR04	14,548	3,635	
ASDG500237	SRF Diagnostics Assembly	0	20OCT03*	01APR04	17,340	4,339	
ASCC018110	CCL Diagnostics Installation	0	03DEC03*	19MAY04	38,793	9,570	
ASLT050410	CCL Tunnel Diagnostics Installation	0	16FEB04	01JUN04	50,140	10,255	



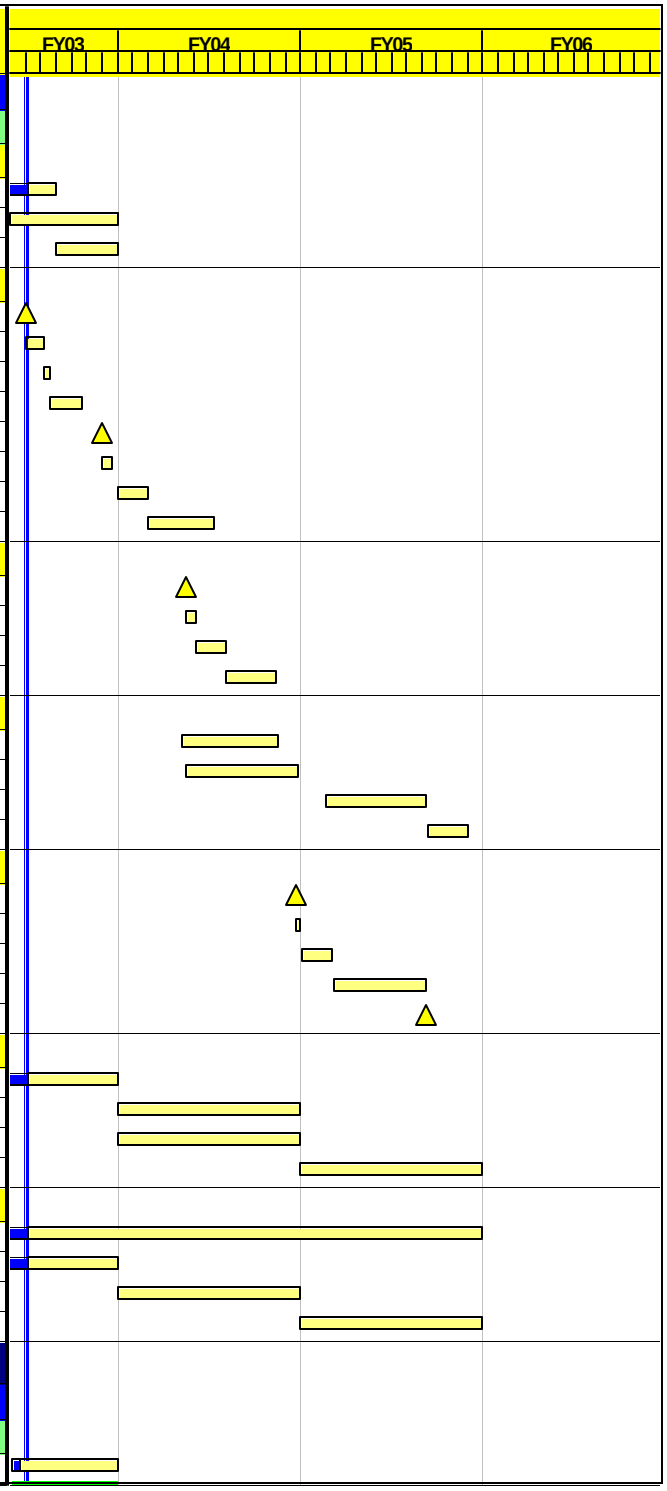
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
ASDG500261	DTL BCM Diagnostics Assembly	0	01MAR04*	09MAR04	11,506	1,792	
ASCC090020	CCL Diagnostics Commissioning Structure	0	12AUG04*	09SEP04	18,408	1,906	
1.04.19.05 ORNL SCL Assembly & Installation							
1.04.19.05.01 ORNL Medium Beta CM Assy & Installation							
ASMB000MB1	IPL - SCL MB01 - Receive/Inspect/Transport to Si	0	18APR03*	28APR03	9,756	1,085	
ASMB001201	Install Cryomodule MB-1	0	29APR03	01MAY03	1,745	201	
ASMB000MB2	IPL - SCL MB02 - Receive/Inspect/Transport to Si	0	12MAY03*	20MAY03	9,756	1,085	
ASMB001581	Install Cryomodule MB-2	0	21MAY03	26MAY03	1,745	201	
ASMB000MB3	IPL - SCL MB03 - Receive/Inspect/Transport to Si	0	06JUN03*	16JUN03	9,756	1,085	
ASMB001961	Install Cryomodule MB-3	0	17JUN03	20JUN03	1,745	201	
ASMB000104	IPL - SCL MB04 - Receive/Inspect/Transport to Si	0	16JUL03*	24JUL03	9,756	1,085	
ASMB002340	Install Crymodule MB-4	0	25JUL03	29JUL03	1,745	201	
ASMB000105	IPL - SCL MB05 - Receive/Inspect/Transport to Si	0	11AUG03*	29AUG03	9,756	1,085	
ASMB002720	Install Cryomodule MB-5	0	02SEP03	04SEP03	1,745	201	
ASMB000106	IPL - SCL MB06 - Receive/Inspect/Transport to Si	0	08SEP03*	16SEP03	9,756	1,085	
ASMB003100	Install Cryomodule MB06	0	17SEP03	19SEP03	1,745	201	
ASMB000107	IPL - SCL MB07 - Receive/Inspect/Transport to Si	0	02OCT03*	10OCT03	9,756	1,085	
ASMB003480	Install Crymodule MB07	0	13OCT03	16OCT03	1,745	201	
ASMB000108	IPL - SCL MB08 - Receive/Inspect/Transport to Si	0	24OCT03*	03NOV03	9,756	1,085	
ASMB003860	Install Crymodule MB-8	0	04NOV03	06NOV03	1,745	201	
ASMB000109	IPL - SCL MB09 - Receive/Inspect/Transport to Si	0	17NOV03*	25NOV03	9,756	1,085	
ASMB004240	Install Crymodule MB-9	0	26NOV03	02DEC03	1,745	201	
ASMB000110	IPL - SCL MB10 - Receive/Inspect/Transport to Si	0	08DEC03*	16DEC03	9,756	1,085	
ASMB004620	Install Crymodule MB-10	0	17DEC03	19DEC03	1,745	201	
ASMB000111	IPL - SCL MB11 - Receive/Inspect/Transport to Si	0	05JAN04*	13JAN04	9,756	1,085	
ASMB005000	Install Crymodule MB-11	0	14JAN04	20JAN04	1,745	201	
ASMB036810	Med Beta CM Connect & Integrated Testing	0	20APR04	30SEP04	216,410	80,748	
1.04.19.05.02 ORNL High Beta CM Assy & Installation							
ASHB000201	IPL - SCL HB01 - Receive/Inspect/Transport to Si	0	09APR04*	19APR04	8,707	1,060	
ASHB000202	IPL - SCL HB02 - Receive/Inspect/Transport to Si	0	09APR04*	19APR04	8,707	1,060	
ASHB000203	IPL - SCL HB03 - Receive/Inspect/Transport to Si	0	09APR04*	19APR04	8,214	987	
ASHB000204	IPL - SCL HB04 - Receive/Inspect/Transport to Si	0	09APR04*	19APR04	8,707	1,060	
ASHB006020	Install Cryomodule HB-1	0	20APR04	22APR04	1,745	201	
ASHB006400	Install Cryomodule HB-2	0	23APR04	27APR04	1,745	201	
ASHB006780	Install Cryomodule HB-3	0	28APR04	30APR04	1,745	201	
ASHB007160	Install Cryomodule HB-4	0	03MAY04	05MAY04	1,745	201	
ASHB000205	IPL - SCL HB05 - Receive/Inspect/Transport to Si	0	27MAY04*	04JUN04	9,199	1,132	
ASHB036800	High Beta CM Connect & Integrated Testing	0	28MAY04	30SEP04	171,829	78,479	
ASHB007540	Install Cryomodule HB-5	0	07JUN04	09JUN04	1,745	201	
ASHB000207	IPL - SCL HB07 - Receive/Inspect/Transport to Si	0	15JUN04*	23JUN04	8,707	1,060	
ASHB000206	IPL - SCL HB06 - Receive/Inspect/Transport to Si	0	21JUN04*	29JUN04	8,707	1,060	
ASHB007920	Install Cryomodule HB-6	0	30JUN04	06JUL04	1,745	201	
ASHB000208	IPL - SCL HB08 - Receive/Inspect/Transport to Si	0	07JUL04*	15JUL04	8,707	1,060	
ASHB009020	Install Cryomodule HB-7	0	07JUL04	09JUL04	2,416	217	
ASHB009320	Install Cryomodule HB-8	0	16JUL04	20JUL04	1,745	201	
ASHB000209	IPL - SCL HB09 - Receive/Inspect/Transport to Si	0	02AUG04*	10AUG04	8,707	1,060	



Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
ASHB009700	Install Cryomodule HB-9	0	11AUG04	13AUG04	1,745	201	
ASHB000211	IPL - SCL HB11 - Receive/Inspect/Transport to Si	0	15SEP04*	23SEP04	6,419	988	
ASHB000210	IPL - SCL HB10 - Receive/Inspect/Transport to Si	0	23SEP04*	01OCT04	8,707	1,060	
ASHB010080	Install Cryomodule HB-10	0	04OCT04	06OCT04	1,745	201	
ASHB000212	IPL - SCL HB12 - Receive/Inspect/Transport to Si	0	07OCT04*	15OCT04	6,419	988	
ASHB010460	Install Cryomodule HB-11	0	07OCT04	11OCT04	1,745	201	
ASHB010840	Install Cryomodule HB-12	0	18OCT04	20OCT04	1,745	201	
1.04.19.05.03	**ORNL SCL Warm Section Assembly & Installation**						
AS14921T82	SCL Eqpt inc warm beam pipe	0	03MAR03A	28MAY04	301,600	290,000	
ASWS000100	IPL - SCL WS Deliver Magnets	0		01APR03	0	0	
AS14931T30	Water Manifolds & Trans. Line - ORNL	0	05MAY03	30JUN03	100,855	96,976	
ASDP000300	IPL - Deliver Diff Pumps/Warm Girders	0		27OCT03	0	0	
ASWS000102	SCL WS - Assemble/Available for Installation	0	28OCT03	09JUN04	197,345	35,423	
ASWS001400	Install Warm Sections	0	31MAY04	27APR05	98,070	10,617	
1.04.19.05.04	**High Energy Differential Pump Station Install**						
ASDP000301	SCL HEDPS - Receive/Assm/Transp to Site	0	28OCT03	31OCT03	3,984	77	
ASSC012840	Install HEDPS	0	10DEC04	21DEC04	6,391	771	
1.04.19.05.05	**Dummy Cryomodule Installation**						
ASSC011219	IPL - Deliver Dummy Cryomodules	0		25JUN03	0	0	
ASBP000101	SCL Dummy Beam Pipe Receive/Inspect	0	26JUN03	08JUL03	2,977	421	
ASSC011220	Install Dummy Cryomodules	0	05NOV04	09DEC04	22,963	3,346	
1.04.19.05.06	**SCL Power Supply Testing**						
ASSC041230	SCL Power Supply Testing	0	12NOV03	20OCT04	199,183	39,562	
1.04.19.06	**AC Distribution, Trays and Cables**						
1.04.19.06.01	**ORNL Linac AC Power Distr/Tray/Cables Install**						
AS14229T61	DTL Cabling Fabrication - ORNL	1	03MAR03A	30JUN03	443,704	426,638	
AS14721030	Cable Tray Procurement	3	03MAR03A	30MAY03	373,376	100,673	
ASKB000501	KH - Install AC Power Distribution Compon	9	03MAR03A	20MAY03	155,030	3,380	
ASKB000601	KH - Install Cable Tray	38	03MAR03A	04JUN03	115,854	2,537	
ASKB000801	KH - Install Waveguide Chase Assemblies	1	03MAR03A	30MAY03	10,668	231	
ASKB000802	KH - Pull Cable	2	03MAR03A	06FEB04	406,711	8,884	
ASLT002521	Install Linac Tunnel Tray/Pull Cable	9	03MAR03A	31DEC03	124,734	8,121	
AS14429T61	CCL Manufacturing Cabling - ORNL	0	01APR03	30JUN03	290,546	279,371	
ASLTSH2521	Chase Shielding	0	28MAY03	19DEC03	117,898	47,300	
1.04.19.06.02	**Linac Power Supply Installation/Testing**						
ASPS440052	DTL Power Supply Assembly	2	18MAR03A	28APR03	8,086	929	
ASKB085110	DTL Power Supply Connections	0	04AUG03	21AUG03	9,453	4,960	
ASPS010011	CCL Power Supply Assembly	0	08SEP03	23OCT03	31,023	4,016	
ASKB087100	CCL Power Supply Connections	0	24OCT03	06JAN04	140,003	15,554	
ASPS040011	SRF Power Supply Assembly	0	03NOV03*	06FEB04	67,401	8,674	
ASCC040120	CCL PS Testing	0	03DEC03	16JUN04	36,647	5,515	
ASKB092020	SCL Power Supply Connections	0	07JAN04	17SEP04	262,861	34,985	



Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
1.04.20 Linac LLRF Support							
1.04.20.02 LLRF Support ORNL							
1.04.20.02.01 LLRF Reference Line							
AS10420001	Ref line design/development	50	03FEB03A	30MAY03	20,311	330	
AS10420003	Ref line procurements	10	03FEB03A	30SEP03	525,200	505,000	
ASRL001003	Ref line assembly/installation	0	02JUN03	30SEP03	97,797	2,016	
1.04.20.02.03 LLRF for DTL							
AS10420058	Deliver LLRF Unit 1	0	01APR03*		0	0	
ASLL000059	LLRF Installation DTL 1	0	01APR03	07MAY03	2,879	50	
AS10420060	DTL1 Conditioning	0	08MAY03	20MAY03	12,378	176	
AS10420061	DTL1 Commissioning	0	21MAY03	23JUL03	24,754	352	
AS10420062	Deliver LLRF Units 2-6	0	02SEP03*		0	0	
ASLL000063	LLRF Installation DTL 2-6	0	02SEP03	19SEP03	8,636	150	
AS10420064	DTL2-6 Conditioning	0	01OCT03	01DEC03*	24,192	344	
AS10420065	DTL2-6 Commissioning	0	02DEC03	09APR04*	50,634	720	
1.04.20.02.04 LLRF for CCL							
AS10420067	Deliver 4 LLRF Units	0	17FEB04*		0	0	
ASLL000068	LLFR CCL Installation	0	17FEB04	05MAR04	8,636	150	
AS10420069	Conditioning	0	08MAR04	06MAY04	24,192	344	
AS10420070	Commissioning	0	07MAY04	13AUG04	38,257	544	
1.04.20.02.05 LLRF for SCL							
AS10420072	Delivery of LLRF Units	0	09FEB04	17AUG04*	0	0	
ASLL000073	LLRF SCL Installation	0	16FEB04	27SEP04	89,815	1,560	
AS10420074	Conditioning	0	23NOV04	10JUN05	76,513	1,088	
AS10420075	Commissioning	0	13JUN05	02SEP05	32,631	464	
1.04.20.02.06 LLRF for HEBT							
AS10420077	Deliver 2 LLRF Units	0	21SEP04*		0	0	
ASLL000078	LLRF HEBT Installation	0	21SEP04	01OCT04	5,757	100	
AS10420079	Conditioning	0	04OCT04	03DEC04	24,192	344	
AS10420080	Commissioning	0	06DEC04	09JUN05	72,575	1,032	
ASLL000081	LLRF Finish	0		09JUN05	0	0	
1.04.20.02.07 LLRF Development and Production							
AS10420023	FPGA Code Development FY03	24	03FEB03A	30SEP03	71,799	928	
AS10420022	Production	0	01OCT03*	30SEP04	1,309,360	1,259,000	
AS10420024	FPGA Code Development FY04	0	01OCT03	30SEP04	120,697	1,560	
AS10420025	FPGA Code Development FY05	0	01OCT04	30SEP05	56,325	728	
1.04.20.02.08 LLRF Support							
AS10420089	Integration	6	03FEB03A	30SEP05	214,547	2,773	
ASLL000086	RF Testing and Commissioning FY03	24	03FEB03A	30SEP03	258,704	163,255	
ASLL000087	RF Testing and Commissioning FY04	0	01OCT03	30SEP04	503,409	178,275	
ASLL000088	RF Testing and Commissioning FY05	0	01OCT04	30SEP05	503,409	178,275	
1.05 1.5 Ring and Transport System							
1.05.13 1.5.13 Ring Field Coordination							
1.05.13.01 Ring Field Coordination							
AS10028505	Ring Eqpt and Consumables FY03	8	03MAR03A	30SEP03	245,960	236,500	



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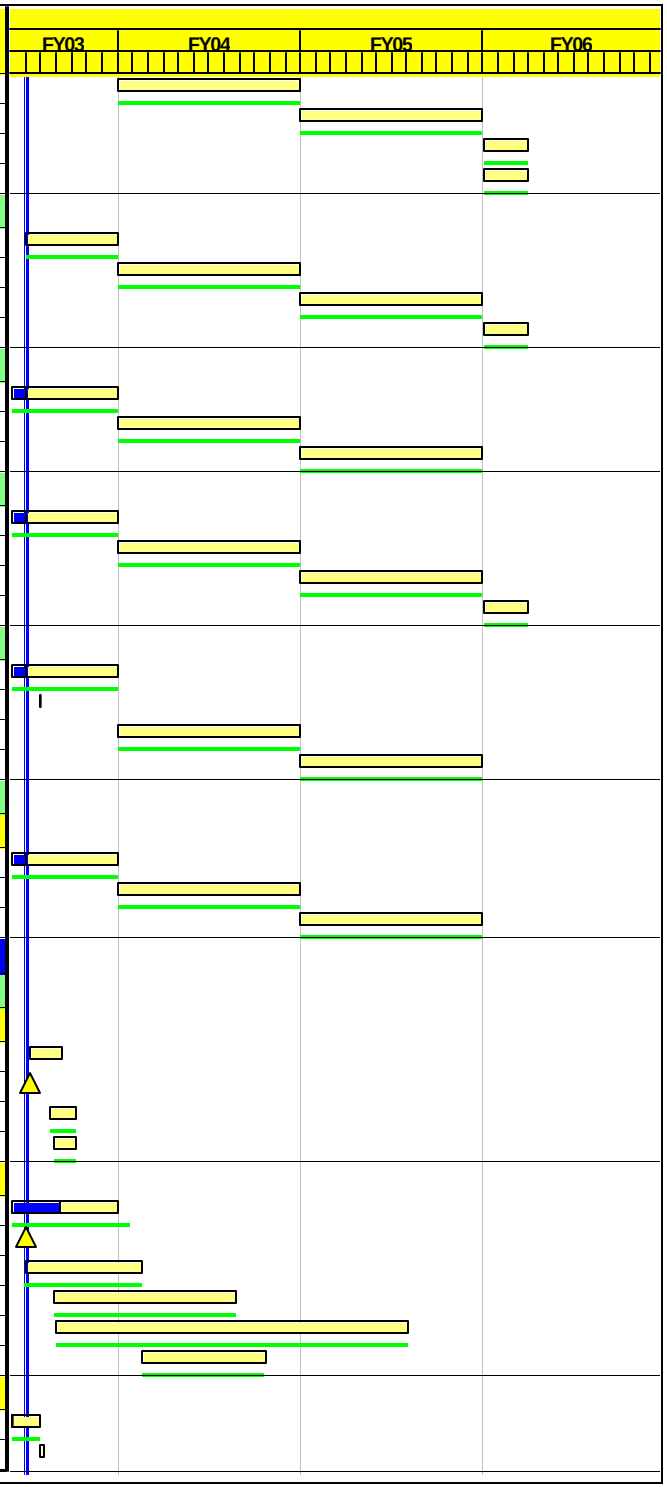
AS10028502	Ring Equip and Consumables - FY04	0	01OCT03	30SEP04	2,887,141	2,776,097	
AS10028503	Ring Equip and Consumables - FY05	0	01OCT04	30SEP05	454,674	437,187	
AS05130016	ORNL ASD Field Coordination 1st Qrtr FY06	0	03OCT05	30DEC05	1,028,049	66,346	
AS10028504	Ring Equip and Consumables - FY06	0	03OCT05	30DEC05	494,000	475,000	
1.05.13.02 Ring Spares							
AS15132065	Ring Spares - FY03	0	01APR03*	30SEP03	260,000	250,000	
AS15132070	Ring Spares - FY04	0	01OCT03	30SEP04	1,040,000	1,000,000	
AS15132074	Ring Spares - FY05	0	01OCT04	30SEP05	454,674	437,187	
AS15132075	Ring Spares - FY06	0	03OCT05	30DEC05	520,000	500,000	
1.05.13.03 Ring FC Power Supplies							
AS15133005	ORNL Ring FC FY03	14	03MAR03A	30SEP03	364,141	39,480	
AS15133003	ORNL Ring FC FY04	0	01OCT03	30SEP04	1,051,001	628,900	
AS15133004	ORNL Ring FC FY05	0	01OCT04	30SEP05	1,416,648	136,631	
1.05.13.04 Ring FC Diagnostics							
AS15134022	ORNL Ring FC Diagnostics FY03	14	03MAR03A	30SEP03	91,800	9,080	
AS15134031	ORNL Ring FC Diagnostics FY04	0	01OCT03	30SEP04	253,524	3,700	
AS15134041	ORNL Ring FC Diagnostics FY05	0	01OCT04	30SEP05	267,944	17,700	
AS15134051	Clerical Sppt - FY06	0	03OCT05	30DEC05	7,336	232	
1.05.13.14 Ring FC Mechanical							
AS05132408	ASD Ring FC Mechanical FY03	14	03MAR03A	30SEP03	169,970	47,500	
AS05132412	Remote Handling Eqpt/Shielding Procurement	0	29APR03	29APR03	55,555	53,418	
AS05132404	ASD Ring FC Mechanical FY04	0	01OCT03	29SEP04	676,380	88,561	
AS05132406	ASD Ring FC Mechanical FY05	0	30SEP04	29SEP05	2,872,727	137,194	
1.05.13.18 Ring Installation Services							
1.05.13.18.01 Ring Installation Services							
AS05130622	Installation Services FY03	14	03MAR03A	30SEP03	661,503	166,469	
AS05130631	Installation Services FY04	0	01OCT03	30SEP04	914,474	77,623	
AS05130641	Installation Services FY05	0	01OCT04	30SEP05	1,086,641	99,027	
1.05.14 ORNL Ring Assembly & Installation							
1.05.14.01 ORNL HEBT Assembly & Installation							
1.05.14.01.01 ORNL LAMS Assembly & Installation							
ASHE000101	LAMS and HEBT Tunnel Building Prep	0	10APR03	13JUN03	102,299	2,252	
ASHT000091	IPL - BOD HEBT Tunnel	0	10APR03		0	0	CCL327
ASHE001060	Install LAMS Components	0	21MAY03	11JUL03	14,001	1,559	
ASHE002660	Install LAMS Collimator Components	0	29MAY03	08JUL03	18,241	1,126	
1.05.14.01.02 ORNL HEBT Assembly & Installation							
ASHB000637	HEBT - Prepare HEBT Arc Magnets in RATS	47	03MAR03A	30SEP03	31,217	11,828	
ASHT000090	IPL - BOD HEBT Service Bldg	0		31MAR03	0	0	CCL329
ASHS000520	HEBT Svc Building Prep	0	01APR03	20NOV03	1,370	32	
ASHE005420	Install HEBT Svc Bldg Lattice Components	0	29MAY03	26MAY04	42,260	5,049	
ASHTSH0501	HEBT Tunnel Shielding	0	02JUN03	05MAY05	62,751	21,300	
ASHS020110	HEBT Svc Bldg Technical Components	0	21NOV03	23JUL04	20,337	1,745	
1.05.14.01.03 ORNL Linac Dump Assembly & Installation							
ASDUL00456	IPL - Linac Dump - Prepare Magnets in RATS	2	03MAR03A	28APR03	10,081	2,982	
ASDUL00541	Install Linac Dump Magnets	0	29APR03	06MAY03	8,400	935	



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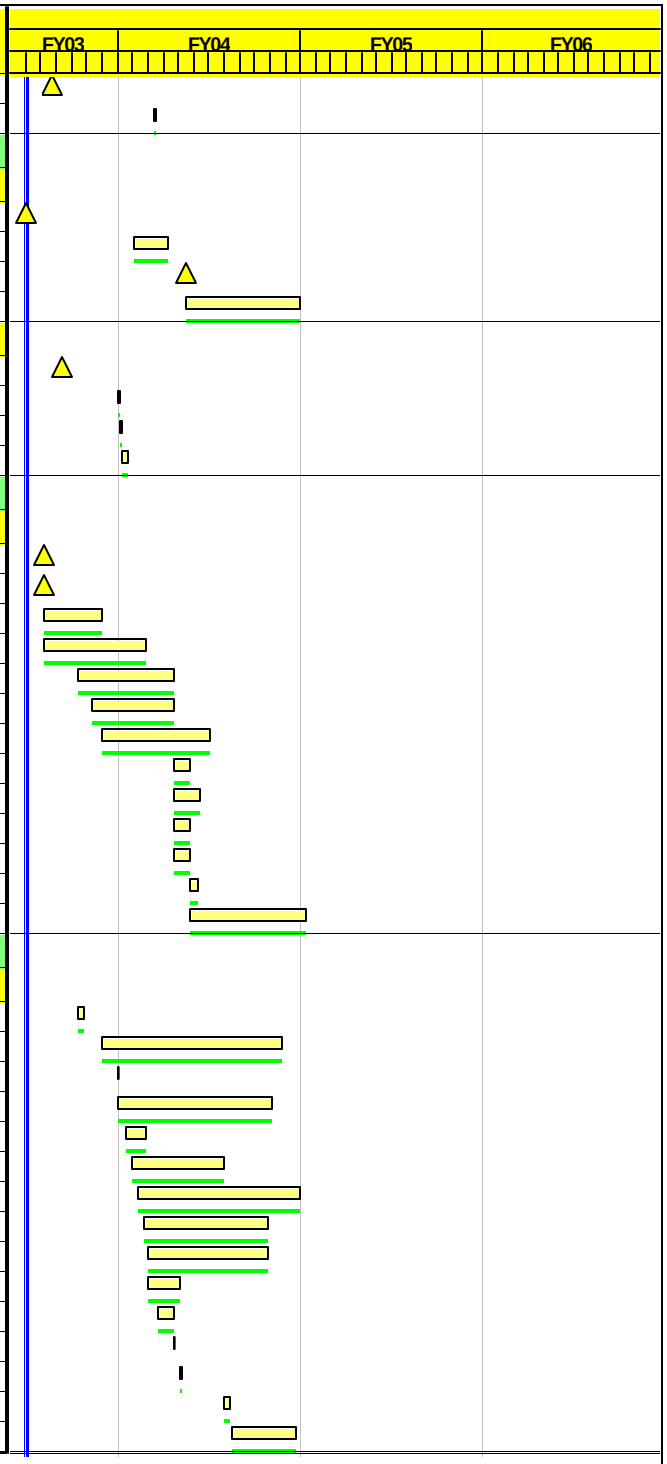
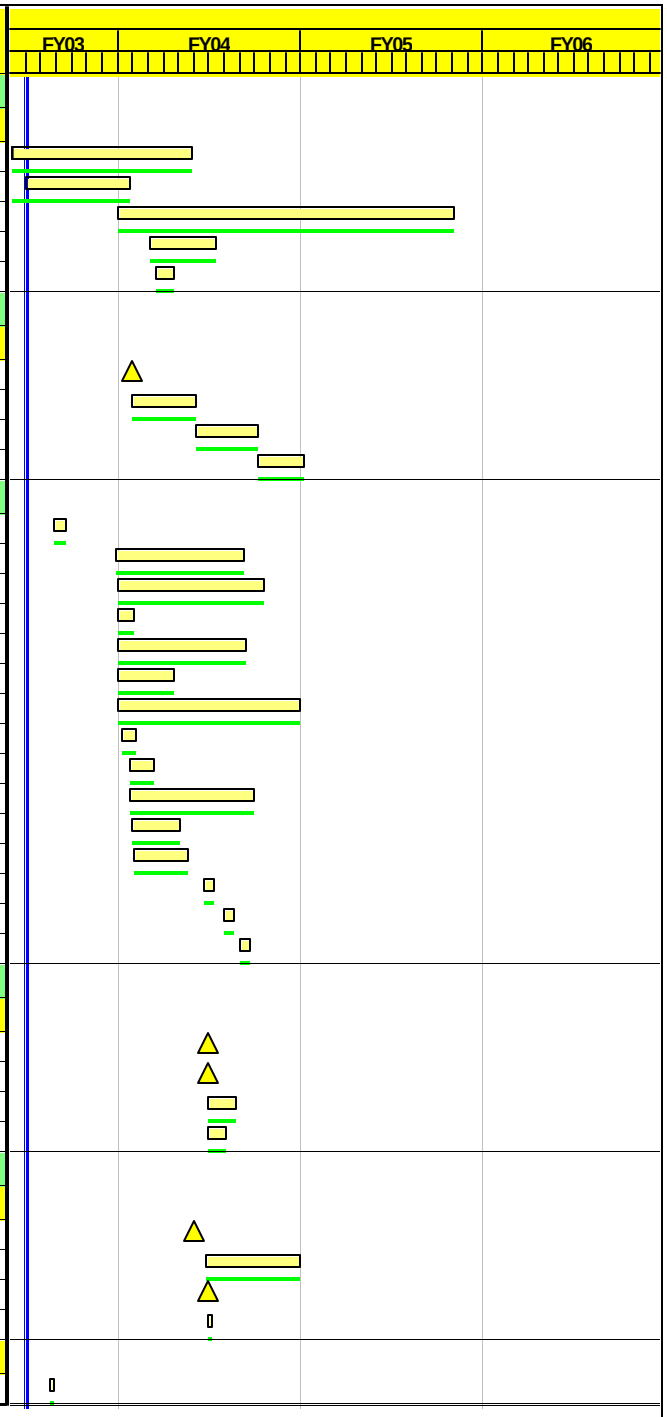
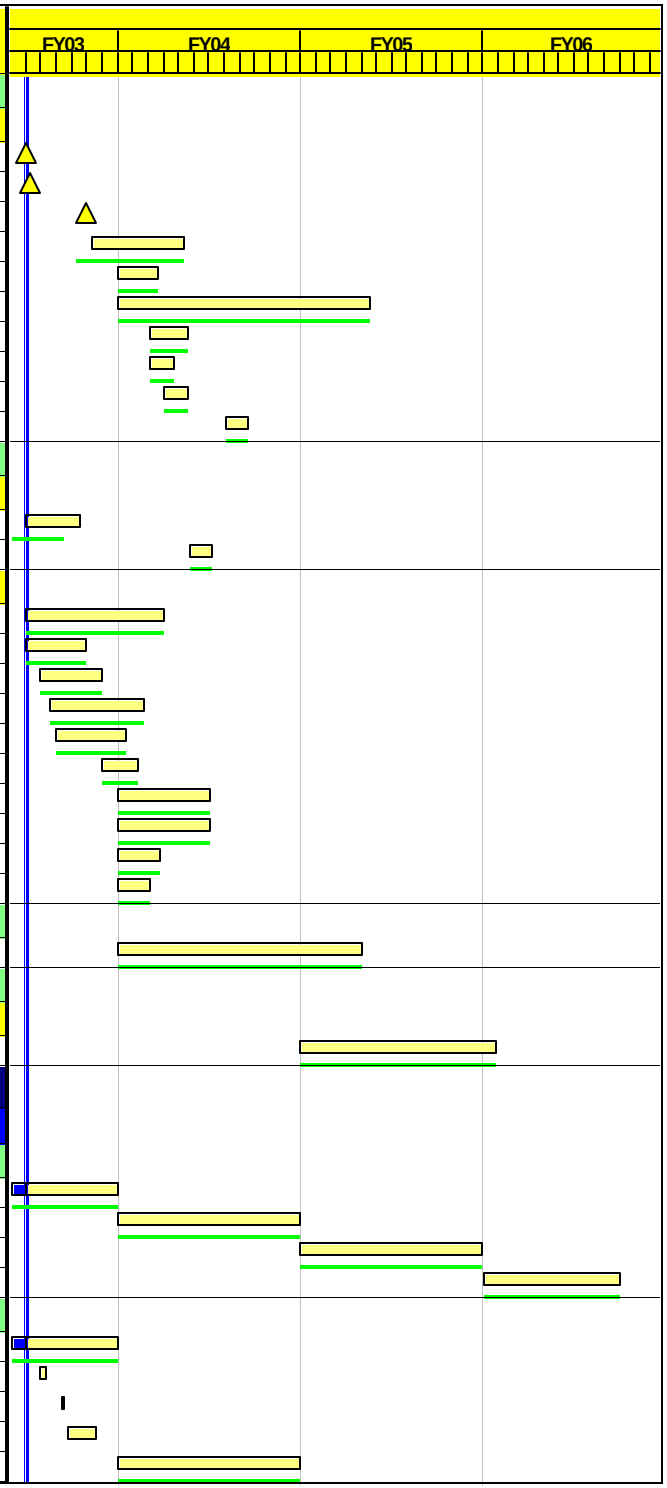
ASHE002650	IPL - Deliver LAMS Collimator	0		21MAY03	0	0	
ASHE041110	Install Linac Dump Beam Pipes	0	12DEC03	17DEC03	1,917	267	
1.05.14.02 ORNL Injection Assembly & Installation							
1.05.14.02.01 ORNL Ring Injection Assembly & Installation							
ASRQA03325	IPL - Deliver Injection Straight Magnets	0		31MAR03	0	0	
ASRQA03330	Inspect & InstallRing Inj Straight Magnets	0	03NOV03*	08JAN04	10,289	1,528	
ASRQA03265	IPL - Deliver Ring Injection Kicker Magnets	0		13FEB04	0	0	
ASRQA03270	Inspect & Install Ring Injection Kicker Magnets	0	16FEB04	30SEP04	18,862	2,802	
1.05.14.02.02 ORNL Ring Injection Dump Assy & Installation							
ASDUI01560	IPL - Deliver Injection Dump Magnets	0		13JUN03	0	0	
ASDUI01565	Inj Dump - Process Magnets for Installation	0	01OCT03*	06OCT03	4,518	650	
ASDUI01020	Install Injection Dump Magnets	0	07OCT03	09OCT03	3,893	336	
ASHE041200	Install Injection Dump Beam Pipes	0	10OCT03	22OCT03	13,408	1,952	
1.05.14.03 Accelerator Ring							
1.05.14.03.01 Accelerator Ring Installation							
ASAT000510	IPL - BOD Ring Tunnel	0		07MAY03	0	0	
ASRS000510	IPL - BOD Ring Service Bldg	0		07MAY03	0	0	
ASAT000520	Ring Tunnel Building Prep	0	08MAY03	29AUG03	27,741	648	
ASRS000520	Ring Service Building Prep	0	08MAY03	26NOV03	42,236	924	
ASRQA00301	Installation of Arc A	0	15JUL03*	22JAN04	67,162	7,399	
ASRQB03760	Installation of Arc B	0	11AUG03*	22JAN04	53,492	6,047	
ASATSH0501	Ring Tunnel Shielding	0	02SEP03*	01APR04	69,113	26,336	
ASRQA02240	Injection Straight Section	0	22JAN04	24FEB04	27,953	3,169	
ASRQB04090	Collimator Straight Section	0	22JAN04	12MAR04	18,074	2,352	
ASRQC04270	Installation of Arc C	0	22JAN04*	24FEB04	53,399	6,045	
ASRQD04780	Installation of Arc D	0	22JAN04*	24FEB04	16,991	2,338	
ASRQC10240	Extraction Straight Section	0	24FEB04	11MAR04	13,271	1,279	
ASRQD05110	South Straight Section	0	24FEB04	13OCT04	53,028	6,041	
1.05.14.04 ORNL Power Supply Assembly & Installation							
1.05.14.04.01 ORNL Ring Power Supply Installation							
ASDUL50120	Linac Dump Power Supply Tests	0	14JUL03	24JUL03	15,203	2,352	
ASPS200011	RTBT Power Supply Assembly	0	02SEP03*	23AUG04	50,685	6,583	
ASPS100011	Injection Dump Power Supply Assembly	0	01OCT03	03OCT03	1,420	181	
ASPS160071	Ring Power Supply Assembly	0	01OCT03*	03AUG04	63,826	8,332	
ASHS015120	HEBT Svc Bldg Power Supply Installation	0	17OCT03	26NOV03	36,337	1,874	
ASPS060011	HEBT Power Supply Assembly	0	29OCT03	30APR04	41,188	5,252	
ASPS890011	Injection Power Supply Assembly	0	11NOV03*	28SEP04	22,859	3,048	
ASRS010400	Install Ring Power Supplies	0	25NOV03	27JUL04	248,132	15,597	
ASPS050011	Extraction Dump Power Supply Assembly	0	01DEC03	26JUL04	2,841	362	
ASPS750011	Extraction Power Supply Assembly	0	01DEC03	03FEB04	46,395	5,915	
ASRS010300	Install RTBT Power Supplies	0	22DEC03	20JAN04	7,815	377	
ASRS010350	Install Main Ring Dipole Power Supply	0	21JAN04*	23JAN04	1,339	68	
ASTS011510	Install Extraction Dump Power Supplies	0	04FEB04	06FEB04	7,772	920	
ASRS010210	Install HEBT Power Supplies	0	03MAY04*	14MAY04	7,849	377	
ASHE050120	HEBT Power Supply Testing	0	17MAY04	20SEP04	66,278	15,174	



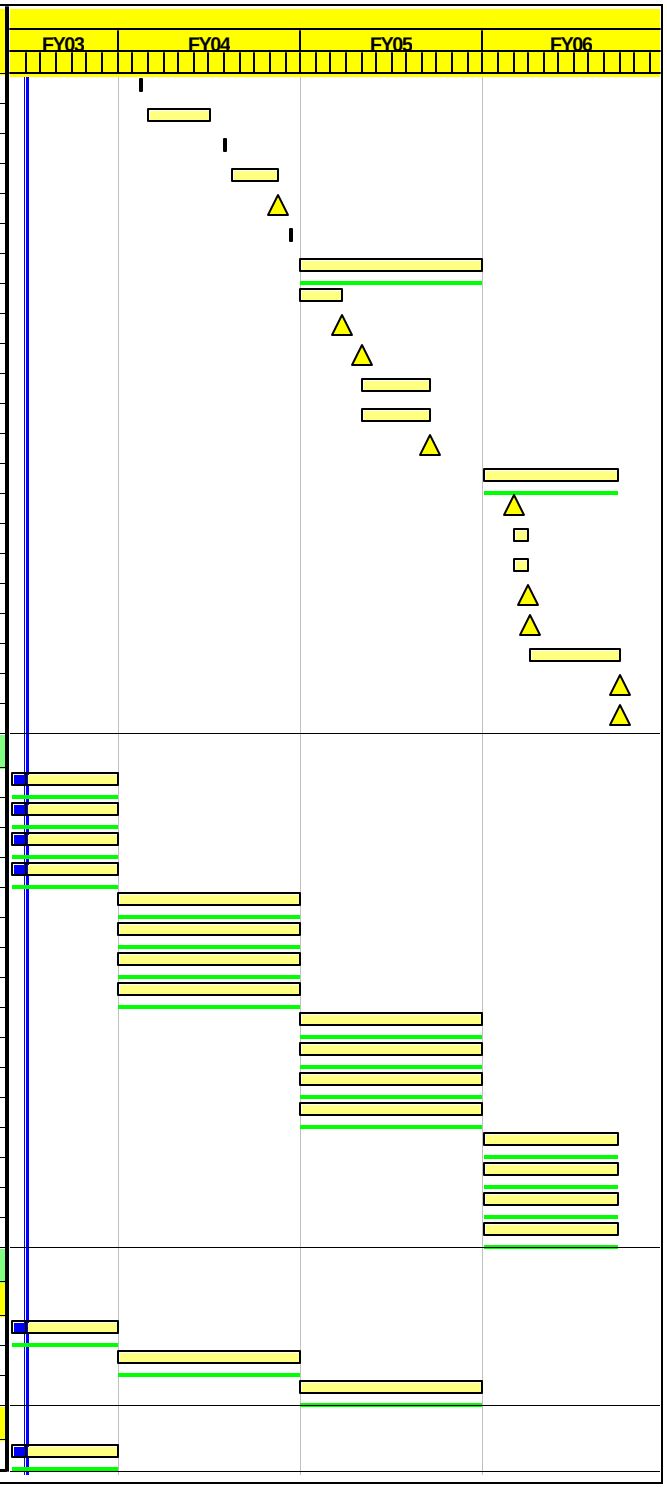
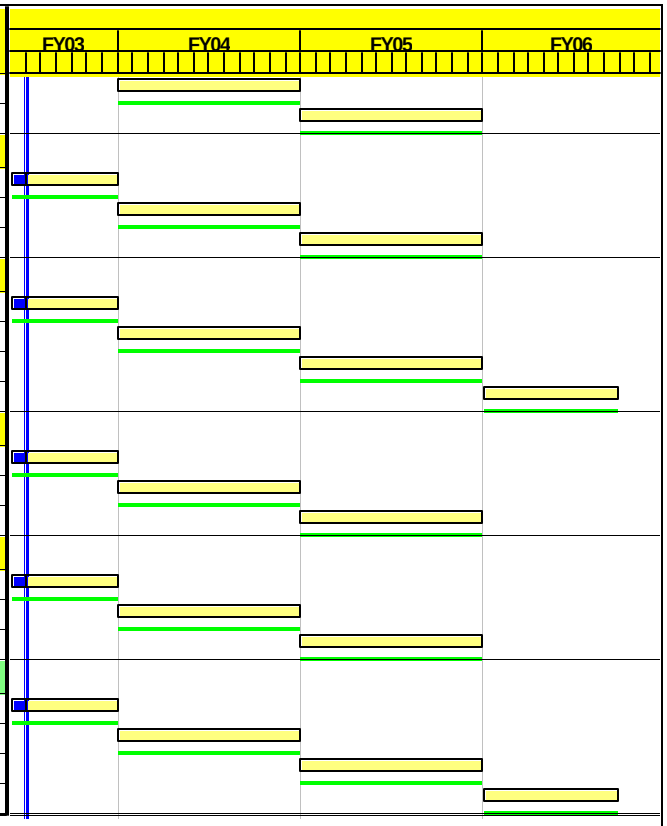
Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
1.05.14.05 ORNL Vacuum Assembly & Installation							
1.05.14.05.01 ORNL Ring Vacuum Assembly & Installation							
ASVG002000	Vacuum Assembly in RATS for Ring	1	03MAR03A	27FEB04	6,125	140	
ASRI030020	Install Ring Vacuum Systems	0	01APR03	24OCT03	116,299	16,679	
ASHE040020	Install HEBT Vacuum Components	0	01OCT03	02AUG05	90,482	12,723	
ASRT025020	Install RTBT Vacuum Systems	0	04DEC03	14APR04	62,115	8,913	
ASHE045880	HEBT Vacuum Pumpdown	0	18DEC03	23JAN04	437	66	
1.05.14.06 ORNL RF Assembly & Installation							
1.05.14.06.01 ORNL Ring RF Assembly & Installation							
ASRQD05115	IPL - Deliver Ring RF Components	0		30OCT03	0	0	
ASRQD05120	Install Ring RF Components	0	31OCT03	04MAR04	69,753	1,600	
ASRQD05130	Ring RF System Test	0	05MAR04	06JUL04	54,440	926	
ASRQD05140	Ring RF Integrated Testing	0	07JUL04	06OCT04	162,247	2,550	
1.05.14.07 ORNL Diagnostics Assembly & Installation							
ASDUE50030	EDMP Diagnostics Installation	0	27MAY03	19JUN03	12,593	2,890	
ASDG500213	HEBT Diagnostics Assembly	0	30SEP03*	09JUN04	25,767	11,369	
ASDG500229	Ring Diagnostics Assembly	0	01OCT03*	20JUL04	94,075	41,410	
ASDUL60120	LDMP Diagnostics Installation	0	01OCT03*	03NOV03	12,865	3,674	
ASHE060100	HEBT Diagnostics Installation	0	01OCT03*	15JUN04	83,428	25,375	
ASHT050020	HEBT Tunnel Diagnostics Installation	0	01OCT03*	23JAN04	50,652	10,797	
ASRI075000	Ring Diagnostics Installation	0	01OCT03*	29SEP04	180,179	51,984	
ASDUI10210	IDMP Diagnostics Installation	0	10OCT03	05NOV03	12,059	2,878	
ASAT050120	Ring Tunnel Diagnostics Installation	0	27OCT03*	11DEC03	78,873	18,320	
ASDG500223	RTBT Diagnostics Assembly	0	27OCT03*	29JUN04	12,298	5,425	
ASTT050020	RTBT Tunnel Diagnostics Installation	0	30OCT03*	02FEB04	40,349	9,369	
ASRT060210	RTBT Diagnostics Installation	0	04NOV03*	20FEB04	41,867	12,312	
ASDG500257	Linac Dump Harp Assembly	0	22MAR04*	09APR04	9,282	4,082	
ASDG500259	Extraction Dump Harp Assembly	0	03MAY04*	21MAY04	5,878	4,038	
ASDG500255	Target Harp Assembly	0	01JUN04*	21JUN04	9,282	4,082	
1.05.14.08 ORNL Collimation Assembly & Install							
1.05.14.08.01 ORNL Ring Collimation Assembly & Installation							
ASRI006810	IPL - Deliver Final Ring Collimator	0		31MAR04	0	0	
ASRT005055	IPL - Deliver Final RTBT Collimator	0		31MAR04	0	0	
ASRI006820	Install Ring Collimators	0	01APR04	25MAY04	30,158	1,749	
ASRT005060	Install RTBT Collimators	0	01APR04	03MAY04	20,061	1,166	
1.05.14.09 ORNL Extraction Assembly & Installation							
1.05.14.09.01 ORNL Ring Extraction Assy & Installation							
ASRQC04590	IPL - Deliver Ring Extraction Straight Magnets	0		03MAR04	0	0	
ASRQC04600	Inspect & Install Extraction Straight Magnets	0	25MAR04	30SEP04	10,289	1,528	
ASRQC04530	IPL - Deliver Extraction Kicker Magnets	0		31MAR04	0	0	
ASRQC04540	Inspect & Install Extraction Kicker Magnets	0	01APR04	05APR04	3,429	509	
1.05.14.09.02 ORNL Ring Extraction Dump Assy & Installation							
ASDUE01080	Install Extraction Dump Magnets	0	21MAY03	26MAY03	4,422	348	



Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
1.05.14.10 ORNL RTBT Assembly & Installation							
1.05.14.10.01 ORNL Ring RTBT Assembly & Installation							
ASRT001600	IPL - Deliver RTBT Magnets	0		31MAR03	0	0	
ASTT000510	IPL - BOD RTBT Tunnel	0		08APR03	0	0	
ASTS001015	IPL - BOD RTBT Svc Bldg	0		29JUL03	0	0	
ASRT001605	RTBT - Process Magnets for Installation	0	11AUG03	10FEB04	129,777	18,779	
ASTS001020	RTBT Svc Building Prep	0	01OCT03*	19DEC03	25,426	552	
ASTT000520	RTBT Tunnel Building Prep	0	01OCT03*	16FEB05	19,179	448	
ASRT001080	Install RTBT Lattice Components	0	04DEC03	20FEB04	64,179	5,602	
ASTTSH0501	RTBT Tunnel Shielding	0	04DEC03	20JAN04	53,881	25,864	
ASTS010210	Install RTBT Technical Components	0	02JAN04	20FEB04	60,929	4,941	
ASRT050120	RTBT Integrated Systems Testing	0	04MAY04	18JUN04	104,708	15,759	
1.05.14.11 AC Distribution, Trays and Cables							
1.05.14.11.01 Buss							
AS05114086	Dipole Buss Procurement	0	01APR03	18JUL03	56,695	54,514	
ASAT003620	Install Main Ring Copper Buss	0	25FEB04	05APR04	28,007	624	
1.05.14.11.02 ORNL Ring AC Power Distr/Tray/Cables Install							
AS05111041	High Power Cable Procurement	0	01APR03*	31DEC03	1,352,000	1,300,000	
AS05114084	AC Power Equip Procurement	0	01APR03*	31JUL03	429,262	412,752	
AS05114041	Cable Tray Procurement	0	01MAY03*	29AUG03	448,245	431,005	
ASRS002020	Ring Svc Building AC Distribution	0	20MAY03	24NOV03	899,537	19,694	
ASHS002060	HEBT Svc Bldg AC Distr/Tray/Cable Install	0	30MAY03	16OCT03	247,505	5,418	
ASAT002000	Ring AC Power Distr/Tray/Cable	0	02SEP03	11NOV03	131,310	2,856	
AS05112041	Low Power Cable Procurement	0	01OCT03*	01APR04	92,643	89,080	
AS05113041	Signal Cable Procurement	0	01OCT03*	01APR04	32,634	31,379	
ASTS002040	RTBT AC Power Distr/Tray/Cables	0	01OCT03	23DEC03	210,452	4,604	
ASTT002520	RTBT Tunnel AC Power Distr/Tray/Cables	0	01OCT03	03DEC03	63,853	1,390	
1.05.14.12 BNL Installation Support							
AS05114090	BNL Install/Eqpt Testing Support	0	01OCT03*	31JAN05	643,618	139,816	
1.05.14.13 ORNL Ring Systems Integrated Testing							
1.05.14.13.01 ORNL Ring Systems Integrated Testing							
ASRI050220	Ring Integrated Systems Testing	0	01OCT04	28OCT05	402,540	60,582	
1.10 Pre-Operations							
1.10.02 1.10.2 ASD Pre-Operations							
1.10.02.01 1.10.2.1 Management Group							
AS10027107	Accelerator Division Mgt Support - FY03	14	03MAR03A	30SEP03	1,031,187	106,856	
AS10027108	Accelerator Division Mgt Support - FY04	0	01OCT03*	30SEP04	1,773,488	188,300	
AS10027110	Accelerator Division Mgt Support - FY05	0	01OCT04*	30SEP05	2,483,979	198,274	
AS10027112	Accelerator Division Mgt Support - FY06	0	03OCT05*	30JUN06	1,536,546	714,962	
1.10.02.02 1.10.2.2 Operations Group							
AS10027135	Commission Support - FY03	14	03MAR03A	30SEP03	538,424	44,502	
AS10041214	DTL tank 3 RF conditioning	0	30APR03*	12MAY03	0	0	
AS10041213	DTL tank 1 ARR	0	11JUN03	16JUN03	0	0	DTL090
AS10041220	DTL tank 1 Commissioning (inc. D-plate)	0	23JUN03	20AUG03	0	0	DTL100
AS10027130	Commissioning Support - FY04	0	01OCT03	30SEP04	940,258	57,906	



Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
ASOP000012	DTL tank 2-6 ARR	0	17NOV03*	20NOV03	0	0	
ASOP000003	DTL 2-6 tanks Commissioning	0	01DEC03	01APR04	0	0	
AS10041228	CCL module 1-3 ARR	0	03MAY04*	06MAY04	0	0	CCL230
AS10041270	Commission CCL module 1-3	0	17MAY04*	18AUG04	0	0	CCL240
AS10041275	IPL - Beam Available from CCL 1-3 to CCL4 & SC	0		18AUG04	0	0	CCL255
AS10041229	CCL module 4 & SCL ARR	0	10SEP04*	14SEP04	0	0	
AS10027133	Commissioning Support - FY05	0	01OCT04*	30SEP05	2,006,538	900,693	
ASOP000011	CCL module 4 & SCL Commissioning	0	01OCT04	21DEC04	0	0	
AS10041288	IPL - Ops Complete SC Commissioning	0		21DEC04	0	0	SC330
AS10041290	IPL - Start HEBT-Ring-RTBT to Ext Dump Comm.	0	02FEB05*		0	0	
AS10041300	HEBT-Ring-RTBT to Ext Dump Commissioning	0	02FEB05	17JUN05	0	0	
ASOP000013	HEBT-Ring-RTBT to Ext Dump Commissioning	0	02FEB05	17JUN05	0	0	
AS10041335	IPL - Complete HEBT-Ring-RTBT to Ext Dump Comm.	0		17JUN05	0	0	HEBT295
AS10027134	Commissioning Support - FY06	0	03OCT05*	26JUN06	1,547,863	214,720	
AS10041345	IPL - Start RTBT - Target Commissioning	0	01DEC05*		0	0	
AS10041355	Perform RTBT - Target Commissioning	0	01DEC05	30DEC05	0	0	
ASOP000019	RTBT - Target Commissioning	0	01DEC05*	30DEC05	0	0	
AS10041365	IPL - OPs Complete RTBT - Target Commissioning	0		30DEC05	0	0	
AS10041370	IPL - Start Operational Readiness Review	0	03JAN06		0	0	
AS10041375	Perform Operational Readiness Review	0	03JAN06	30JUN06	0	0	
AS10041380	IPL - Complete Prj Acpt Tst/ORR (365 - PEP)	0		30JUN06	0	0	
AS10041385	IPL - OPs Commissioning Complete	0		30JUN06	0	0	
1.10.02.03 1.10.2.3 Accelerator Physics Group							
AS1002717Z	Coordinate-Support Physics Design - FY03	14	03MAR03A	30SEP03	197,086	19,607	
AS1002718X	Prep/Commission/Operate Ring Syst FY03	14	03MAR03A	30SEP03	411,348	31,255	
AS1002718Y	Prep/Commission/Operate FE & Linac FY03	14	03MAR03A	30SEP03	337,820	31,161	
AS10027199	Complete/Test DB & Beam App Codes FY03	14	03MAR03A	30SEP03	373,003	40,208	
AS10027178	Coordinate-Support Physics Design - FY04	0	01OCT03*	30SEP04	362,405	34,137	
AS10027184	Prep/Commission/Operate FE & Linac FY04	0	01OCT03*	30SEP04	737,176	54,742	
AS10027190	Prep/Commission/Operate Ring Syst FY04	0	01OCT03	30SEP04	655,272	66,589	
AS10027196	Complete/Test DB & Beam App Codes FY04	0	01OCT03	30SEP04	671,290	56,047	
AS10027179	Coordinate-Support Physics Design - FY05	0	01OCT04*	30SEP05	362,405	34,137	
AS10027185	Prep/Commission/Operate FE & Linac FY05	0	01OCT04*	30SEP05	747,201	64,571	
AS10027191	Prep/Commission/Operate Ring Syst FY05	0	01OCT04	30SEP05	695,618	105,575	
AS10027197	Complete/Test DB & Beam App Codes FY05	0	01OCT04	30SEP05	671,290	56,047	
AS10027180	Coordinate-Support Physics Design - FY06	0	03OCT05*	26JUN06	319,864	47,346	
AS10027186	Prep/Commission/Operate FE & Linac FY06	0	03OCT05*	26JUN06	692,385	125,145	
AS10027192	Prep/Commission/Operate Ring Syst FY06	0	03OCT05	26JUN06	436,957	126,647	
AS10027198	Complete/Test DB & Beam App Codes FY06	0	03OCT05	26JUN06	424,118	50,253	
1.10.02.04 1.10.2.4 Accelerator Technology Groups							
1.10.02.04.02 1.10.2.4.2 Ion Source Group							
AS10247506	Ion Source FY03 Activity	14	03MAR03A	30SEP03	239,697	26,401	
AS10247504	Ion Source FY04 Activity	0	01OCT03	30SEP04	429,694	45,550	
AS10247505	Ion Source FY05 Activity	0	01OCT04	30SEP05	429,694	45,550	
1.10.02.04.03 1.10.2.4.3 Cryosystems Group							
AS10020325	Cryosystems Group FY03 Activities	14	03MAR03A	30SEP03	32,474	1,027	



Activity ID	Activity Description	% Comp	Early Start	Early Finish	Budgeted Cost	Budgeted Quantity	ACID
AS10020326	Cryosystems Group FY04 Activities	0	01OCT03	30SEP04	58,497	1,850	
AS10020328	Cryosystems Groups FY05 Activities	0	01OCT04	30SEP05	1,965,212	211,537	
1.10.02.04.04	**1.10.2.4.4 Power Supply Group**						
AS10128519	Power Supply Group FY03 Activities	14	03MAR03A	30SEP03	32,474	1,027	
AS10128517	Power Supply Group FY04 Activities	0	01OCT03	30SEP04	58,497	1,850	
AS10128518	Power Supply Group FY05 Activities	0	01OCT04	30SEP05	58,497	1,850	
1.10.02.04.05	**1.10.2.4.5 Mechanical Group**						
AS10020409	Mech Engr Group FY03 Activities	14	03MAR03A	30SEP03	594,043	8,577	
AS10020410	Mech Engr Group FY04 Activities	0	01OCT03	30SEP04	1,021,718	14,800	
AS10020412	Mech Engr Group FY05 Activities	0	01OCT04	30SEP05	1,021,718	14,800	
AS10027209	Mech Eng Group FY06	0	03OCT05*	26JUN06	2,712,502	148,936	
1.10.02.04.06	**1.10.2.4.6 Survey & Alignment Group**						
AS10127512	Survey & Alignment FY03 Activity	14	03MAR03A	30SEP03	577,607	61,706	
AS10127509	Survey & Alignment FY04 Activty	0	01OCT03	30SEP04	996,456	103,759	
AS10127510	Survey & Alignmen FY05 Activity	0	01OCT04	30SEP05	993,940	101,316	
1.10.02.04.07	**1.10.2.4.7 Diagnostics Group**						
AS10127511	Diagnostics FY03 Activity	14	03MAR03A	30SEP03	367,055	37,615	
AS10127506	Diagnostics FY04 Activity	0	01OCT03	30SEP04	628,800	63,841	
AS10127507	Diagnostic FY05 Activity	0	01OCT04	30SEP05	628,014	63,070	
1.10.02.05	**1.10.2.5 Controls Group**						
AS10027206	Controls Support to Commissioning FY03	14	03MAR03A	30SEP03	419,838	36,220	
AS10027202	Controls Support to Commissioning FY04	0	01OCT03	30SEP04	718,784	60,890	
AS10027203	Controls Support to Commissioning FY05	0	01OCT04	30SEP05	730,952	72,836	
AS10027204	Controls Support to Commissioning FY06	0	03OCT05	26JUN06	2,610,228	352,385