

UID	ID	WBS	Name	% Complete	Start	Finish	- FY14 Costs - (+ Contingency) (All Institutions)	- FY15 Costs - (+ Contingency) (All Institutions)	- FY16 Costs - (+ Contingency) (All Institutions)	- FY17 Costs - (+ Contingency) (All Institutions)	TPC (+Contingency) (All Institutions)	2015		2016		2017		20
												H1	H2	H1	H2	H1	H2	
1	1	1	MAP	58%	10/1/11	3/30/18	653497.61	10310212.46	5757169.98	2491871.54	\$19,214,003							
2	2	1.01	Program Management	44%	10/1/11	3/30/18	0	1114903.98	778047.33	149170.72	\$2,042,122							
3	3	1.01.01	Program Coordination and Activities	40%	10/1/11	3/30/18	0	766498.29	561509.08	119383.79	\$1,447,391							
140	4	1.01.01.01	Project Management for Program Coordination and Activities	40%	10/1/14	9/29/17	0	766498.29	561509.08	119383.79	\$1,447,391							
72	5	1.01.01.01.01	FY15 Project Management - (FNAL - Labor)	100%	10/1/14	9/30/15	0	726217.63	0	0	\$726,218							
169	6	1.01.01.01.02	FY15 Project Management - (FNAL - M&S)(Includes Carryover for FY16)	100%	10/1/14	9/30/15	0	40280.66	0	0	\$40,281							
2076	7	1.01.01.01.03	FY15 Project Management - (BNL - Resources)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3138	8	1.01.01.01.04	FY15 Project Management - (IIT - Resources)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3139	9	1.01.01.01.05	FY15 Project Management - (LBNL - Resources)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3944	10	1.01.01.01.06	FY15 Project Management - (LBNL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3940	11	1.01.01.01.07	FY15 Project Management - (SLAC - Resources)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3941	12	1.01.01.01.08	FY15 Project Management - (SLAC - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
477	13	1.01.01.01.09	FY16 Project Management - (FNAL - Labor)-(Includes Carryover into FY17)	0%	10/1/15	9/30/16	0	0	490958.63	0	\$490,959							
476	14	1.01.01.01.10	FY16 Project Management - (FNAL - M&S)	0%	10/1/15	9/30/16	0	0	70550.45	0	\$70,551							
2077	15	1.01.01.01.11	FY16 Project Management - (BNL - Resources)	0%	10/1/15	9/30/16	0	0	0	0	\$0							
3140	16	1.01.01.01.12	FY16 Project Management - (IIT - Resources)	0%	10/1/15	9/30/16	0	0	0	0	\$0							
3141	17	1.01.01.01.13	FY16 Project Management - (LBNL - Resources)	0%	10/1/15	9/30/16	0	0	0	0	\$0							
3942	18	1.01.01.01.14	FY16 Project Management - (SLAC - Resources)	0%	10/1/15	9/30/16	0	0	0	0	\$0							
3943	19	1.01.01.01.15	FY16 Project Management - (SLAC - M&S)	0%	10/1/15	9/30/16	0	0	0	0	\$0							
544	20	1.01.01.01.16	FY17 Project Management - (FNAL - Labor)	0%	10/3/16	9/29/17	0	0	0	105006.01	\$105,006							
548	21	1.01.01.01.17	FY17 Project Management - (FNAL - M&S)	0%	10/3/16	9/29/17	0	0	0	14377.78	\$14,378							
2078	22	1.01.01.01.18	FY17 Project Management - (BNL - Resources)	0%	10/3/16	9/29/17	0	0	0	0	\$0							
3142	23	1.01.01.01.19	FY17 Project Management - (IIT - Resources)	0%	10/3/16	9/29/17	0	0	0	0	\$0							
3143	24	1.01.01.01.20	FY17 Project Management - (LBNL - Resources)	0%	10/3/16	9/29/17	0	0	0	0	\$0							
377	25	1.01.01.02	L4 - [MAP Start] - Start of Project 10-01-2011 (FY12) (L0)	100%	10/1/11	10/1/11	0	0	0	0	\$0							
378	26	1.01.01.03	Project Re-Organization 10-01-2012 (FY13)	100%	10/1/12	10/1/12	0	0	0	0	\$0							
4271	27	1.01.01.04	FY14 Funds Available	100%	10/1/13	10/1/13	0	0	0	0	\$0							
404	28	1.01.01.05	FY15 Funds Available	0%	10/21/14	10/21/14	0	0	0	0	\$0							
524	29	1.01.01.06	FY16 Funds Available	0%	10/20/15	10/20/15	0	0	0	0	\$0							
525	30	1.01.01.07	FY17 Funds Available	0%	10/20/16	10/20/16	0	0	0	0	\$0							
2005	31	1.01.01.08	L4 - [MAP End] - End of MAP Project (L0)	0%	3/30/18	3/30/18	0	0	0	0	\$0							
11	32	1.01.02	Program Management Office	60%	10/1/14	9/29/17	0	348405.69	216538.25	29786.93	\$594,731							
145	33	1.01.02.01	Project Management for Program Management Office	60%	10/1/14	9/29/17	0	348405.69	216538.25	29786.93	\$594,731							
56	34	1.01.02.01.01	FY15 Project Management (FNAL - Labor)	100%	10/1/14	9/30/15	0	348405.69	0	0	\$348,406							
4040	35	1.01.02.01.02	FY15 Project Management (LBNL - Resources)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
4043	36	1.01.02.01.03	FY15 Project Management (SLAC - Resources)	100%	10/1/14	10/1/15	0	0	0	0	\$0							
479	37	1.01.02.01.04	FY16 Project Management (FNAL - Labor)	0%	10/1/15	9/30/16	0	0	216538.25	0	\$216,538							
550	38	1.01.02.01.05	FY17 Project Management (FNAL - Labor)	0%	10/3/16	9/29/17	0	0	0	29786.93	\$29,787							
2265	39	1.01.03	L4 - [End WBS1] - End of Program Management (L1)	0%	9/29/17	9/29/17	0	0	0	0	\$0							
3952	40	1.02	Advanced Concepts for Muon and Neutrino Sources	100%	10/1/14	9/30/15	0	2173367.79	0	0	\$2,173,368							
3953	41	1.02.01	Activities Management	100%	10/1/14	9/30/15	0	355849.06	0	0	\$355,849							
3968	42	1.02.01.01	FY15 Activities Management - (LBNL - Resources)	100%	10/1/14	9/30/15	0	242929.59	0	0	\$242,930							
3969	43	1.02.01.02	FY15 Activities Management - (LBNL - M&S)	100%	10/1/14	9/30/15	0	5000.23	0	0	\$5,000							
3970	44	1.02.01.03	FY15 Activities Management - (SLAC - Resources)	100%	10/1/14	9/30/15	0	102919	0	0	\$102,919							
3971	45	1.02.01.04	FY15 Activities Management - (SLAC - M&S)	100%	10/1/14	9/30/15	0	5000.23	0	0	\$5,000							
3961	46	1.02.02	High Intensity Muon Sources	100%	10/1/14	9/30/15	0	772102.44	0	0	\$772,103							
3982	47	1.02.02.01	FY15 High Intensity Muon Sources - (FNAL - Labor)	100%	10/1/14	9/30/15	0	187976.8	0	0	\$187,977							
3983	48	1.02.02.02	FY15 High Intensity Muon Sources - (FNAL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3980	49	1.02.02.03	FY15 High Intensity Muon Sources - (BNL - Resources)	100%	10/1/14	9/30/15	0	370916	0	0	\$370,916							
3981	50	1.02.02.04	FY15 High Intensity Muon Sources - (BNL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3986	51	1.02.02.05	FY15 High Intensity Muon Sources - (UCLA - Resources)	100%	10/1/14	9/30/15	0	76219.77	0	0	\$76,220							
3987	52	1.02.02.06	FY15 High Intensity Muon Sources - (UCLA - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3988	53	1.02.02.07	FY15 High Intensity Muon Sources - (PU - Resources)	100%	10/1/14	9/30/15	0	16478.25	0	0	\$16,478							
3989	54	1.02.02.08	FY15 High Intensity Muon Sources - (PU - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3990	55	1.02.02.09	FY15 High Intensity Muon Sources - (IIT - Resources)	100%	10/1/14	9/30/15	0	59741.52	0	0	\$59,742							
3991	56	1.02.02.10	FY15 High Intensity Muon Sources - (IIT - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3992	57	1.02.02.11	FY15 High Intensity Muon Sources - (SUNY - Resources)	100%	10/1/14	9/30/15	0	60770.1	0	0	\$60,770							
3993	58	1.02.02.12	FY15 High Intensity Muon Sources - (SUNY - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3963	59	1.02.03	High Brightness Muon Sources	100%	10/1/14	9/30/15	0	755211.28	0	0	\$755,211							
3994	60	1.02.03.01	FY15 High Brightness Muon Sources - (FNAL - Labor)	100%	10/1/14	9/30/15	0	265681.03	0	0	\$265,681							
3995	61	1.02.03.02	FY15 High Brightness Muon Sources - (FNAL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3998	62	1.02.03.03	FY15 High Brightness Muon Sources - (BNL - Resources)	100%	10/1/14	9/30/15	0	280225	0	0	\$280,225							
3999	63	1.02.03.04	FY15 High Brightness Muon Sources - (BNL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
4000	64	1.02.03.05	FY15 High Brightness Muon Sources - (UCLA - Resources)	100%	10/1/14	9/30/15	0	96308.55	0	0	\$96,309							
4001	65	1.02.03.06	FY15 High Brightness Muon Sources - (UCLA - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
4002	66	1.02.03.07	FY15 High Brightness Muon Sources - (IIT - Resources)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
4003	67	1.02.03.08	FY15 High Brightness Muon Sources - (IIT - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
4004	68	1.02.03.09	FY15 High Brightness Muon Sources - (UC - Resources)	100%	10/1/14	9/30/15	0	22250.88	0	0	\$22,251							
4005	69	1.02.03.10	FY15 High Brightness Muon Sources - (UC - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
4006	70	1.02.03.11	FY15 High Brightness Muon Sources - (UCR - Resources)	100%	10/1/14	9/30/15	0	90745.82	0	0	\$90,746							
4007	71	1.02.03.12	FY15 High Brightness Muon Sources - (UCR - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
3965	72	1.02.04	Precision Neutrino Sources	100%	10/1/14	9/30/15	0	290205	0	0	\$290,205							
3996	73	1.02.04.01	FY15 Precision Neutrino Sources - (FNAL - Labor)	100%	10/1/14	9/30/15	0	85415.3	0	0	\$85,415							
3997	74	1.02.04.02	FY15 Precision Neutrino Sources - (FNAL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
4008	75	1.02.04.03	FY15 Precision Neutrino Sources - (BNL - Resources)	100%	10/1/14	9/30/15	0	131451	0	0	\$131,451							



UID	ID	WBS	Name	% Complete	Start	Finish	- FY14 Costs - (+ Contingency) (All Institutions)	- FY15 Costs - (+ Contingency) (All Institutions)	- FY16 Costs - (+ Contingency) (All Institutions)	- FY17 Costs - (+ Contingency) (All Institutions)	TPC (+Contingency) (All Institutions)	2015			2016		2017		20
												H1	H2	H1	H2	H1	H2	H1	
3958	151	1.03.03.01.02	FY15 Vacuum RF Cavity R&D (FNAL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
3959	152	1.03.03.01.03	FY15 Vacuum RF Cavity R&D (IIT - Resources)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
3960	153	1.03.03.01.04	FY15 Vacuum RF Cavity R&D (IIT - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
4028	154	1.03.03.01.05	FY15 Vacuum RF Cavity R&D (LBNL - Resources)	100%	10/1/14	9/30/15	0	55739.3	0	0	\$55,739								
4029	155	1.03.03.01.06	FY15 Vacuum RF Cavity R&D (LBNL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
4030	156	1.03.03.01.07	FY15 Vacuum RF Cavity R&D (UC - Resources)	100%	10/1/14	9/30/15	0	22250.88	0	0	\$22,251								
4031	157	1.03.03.01.08	FY15 Vacuum RF Cavity R&D (UC - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
4086	158	1.03.03.01.09	FY16 Vacuum RF Cavity R&D (FNAL - Labor)	0%	10/1/15	3/31/16	0	0	117409.18	0	\$117,409								
4087	159	1.03.03.01.10	FY16 Vacuum RF Cavity R&D (FNAL - M&S)	0%	10/1/15	3/31/16	0	0	0	0	\$0								
4088	160	1.03.03.01.11	FY16 Vacuum RF Cavity R&D (UC - Resources)	0%	10/1/15	3/31/16	0	0	11337.25	0	\$11,337								
4089	161	1.03.03.01.12	FY16 Vacuum RF Cavity R&D (UC - M&S)	0%	10/1/15	3/31/16	0	0	0	0	\$0								
4021	162	1.03.03.02	<b>High Pressure RF Cavity R&amp;D</b>	67%	10/1/14	3/31/16	0	392562.86	199753.19	0	\$592,316								
4022	163	1.03.03.02.01	FY15 High Pressure RF Cavity R&D (FNAL - Labor)	100%	10/1/14	9/30/15	0	250734.47	0	0	\$250,735								
4023	164	1.03.03.02.02	FY15 High Pressure RF Cavity R&D (FNAL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
4024	165	1.03.03.02.03	FY15 High Pressure RF Cavity R&D (IIT - Resources)	100%	10/1/14	9/30/15	0	81058.29	0	0	\$81,058								
4025	166	1.03.03.02.04	FY15 High Pressure RF Cavity R&D (IIT - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
4032	167	1.03.03.02.05	FY15 High Pressure RF Cavity R&D (SUNY - Resources)	100%	10/1/14	9/30/15	0	60770.1	0	0	\$60,770								
4033	168	1.03.03.02.06	FY15 High Pressure RF Cavity R&D (SUNY - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
4090	169	1.03.03.02.07	FY16 High Pressure RF Cavity R&D (FNAL - Labor)	0%	10/1/15	3/31/16	0	0	127488.91	0	\$127,489								
4091	170	1.03.03.02.08	FY16 High Pressure RF Cavity R&D (FNAL - M&S)	0%	10/1/15	3/31/16	0	0	0	0	\$0								
4092	171	1.03.03.02.09	FY16 High Pressure RF Cavity R&D (IIT - Resources)	0%	10/1/15	3/31/16	0	0	41300.75	0	\$41,301								
4093	172	1.03.03.02.10	FY16 High Pressure RF Cavity R&D (IIT - M&S)	0%	10/1/15	3/31/16	0	0	0	0	\$0								
4094	173	1.03.03.02.11	FY16 High Pressure RF Cavity R&D (SUNY - Resources)	0%	10/1/15	3/31/16	0	0	30963.53	0	\$30,964								
4095	174	1.03.03.02.12	FY16 High Pressure RF Cavity R&D (SUNY - M&S)	0%	10/1/15	3/31/16	0	0	0	0	\$0								
2264	175	1.03.04	<b>L4 - [End WBS3] - End of MuCool Test Area Support (MTA) (L1)</b>	0%	3/31/16	3/31/16	0	0	0	0	\$0								
8	176	1.04	<b>Muon Ionization Cooling Experiment (MICE)</b>	33%	10/1/14	9/29/17	0	1165946.98	1192510.96	1180065.35	\$3,538,523								
576	177	1.04.01	<b>MICE Experimental Support</b>	33%	10/1/14	9/29/17	0	1165946.98	1192510.96	1180065.35	\$3,538,523								
580	178	1.04.01.01	<b>MICE Commissioning and Operations</b>	33%	10/1/14	9/29/17	0	1049848.05	1074201.69	999234.7	\$3,123,285								
3198	179	1.04.01.01.01	FY15 - MICE Commissioning and Operations (FNAL - Labor)	100%	10/1/14	9/30/15	0	396561.22	0	0	\$396,561								
3215	180	1.04.01.01.02	FY15 - MICE Commissioning and Operations (FNAL - M&S)	100%	10/1/14	9/30/15	0	16867.53	0	0	\$16,868								
4036	181	1.04.01.01.03	FY15 - MICE Commissioning and Operations (LBNL - Resources)	100%	10/1/14	9/30/15	0	17017.3	0	0	\$17,017								
4037	182	1.04.01.01.04	FY15 - MICE Commissioning and Operations (LBNL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
4041	183	1.04.01.01.05	FY15 - MICE Commissioning and Operations (BNL - Resources)	100%	10/1/14	9/30/15	0	231313	0	0	\$231,313								
4042	184	1.04.01.01.06	FY15 - MICE Commissioning and Operations (BNL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
3203	185	1.04.01.01.07	FY15 - MICE Commissioning and Operations (IIT - Resources)	100%	10/1/14	9/30/15	0	273675.38	0	0	\$273,675								
3218	186	1.04.01.01.08	FY15 - MICE Commissioning and Operations (IIT - M&S)	100%	10/1/14	9/30/15	0	47965.35	0	0	\$47,965								
3202	187	1.04.01.01.09	FY15 - MICE Commissioning and Operations (ICL - Resources)	100%	10/1/14	9/30/15	0	43767.07	0	0	\$43,767								
4047	188	1.04.01.01.10	FY15 - MICE Commissioning and Operations (UCR - Resources)	100%	10/1/14	9/30/15	0	22681.21	0	0	\$22,681								
4051	189	1.04.01.01.11	FY16 - MICE Commissioning and Operations (FNAL - Labor)	0%	10/1/15	9/30/16	0	0	408477.41	0	\$408,477								
4052	190	1.04.01.01.12	FY16 - MICE Commissioning and Operations (FNAL - M&S)	0%	10/1/15	9/30/16	0	0	17188.66	0	\$17,189								
4053	191	1.04.01.01.13	FY16 - MICE Commissioning and Operations (LBNL - Resources)	0%	10/1/15	9/30/16	0	0	17341.28	0	\$17,341								
4054	192	1.04.01.01.14	FY16 - MICE Commissioning and Operations (LBNL - M&S)	0%	10/1/15	9/30/16	0	0	0	0	\$0								
4055	193	1.04.01.01.15	FY16 - MICE Commissioning and Operations (BNL - Resources)	0%	10/1/15	9/30/16	0	0	235716.8	0	\$235,717								
4056	194	1.04.01.01.16	FY16 - MICE Commissioning and Operations (BNL - M&S)	0%	10/1/15	9/30/16	0	0	0	0	\$0								
4057	195	1.04.01.01.17	FY16 - MICE Commissioning and Operations (IIT - Resources)	0%	10/1/15	9/30/16	0	0	278885.69	0	\$278,886								
4058	196	1.04.01.01.18	FY16 - MICE Commissioning and Operations (IIT - M&S)	0%	10/1/15	9/30/16	0	0	48878.53	0	\$48,879								
4059	197	1.04.01.01.19	FY16 - MICE Commissioning and Operations (ICL - Resources)	0%	10/1/15	9/30/16	0	0	44600.32	0	\$44,600								
4060	198	1.04.01.01.20	FY16 - MICE Commissioning and Operations (UCR - Resources)	0%	10/1/15	9/30/16	0	0	23113.02	0	\$23,113								
4061	199	1.04.01.01.21	FY17 - MICE Commissioning and Operations (FNAL - Labor)	0%	10/3/16	9/29/17	0	0	0	320880.63	\$320,881								
4062	200	1.04.01.01.22	FY17 - MICE Commissioning and Operations (FNAL - M&S)	0%	10/3/16	9/29/17	0	0	0	17514.75	\$17,515								
4063	201	1.04.01.01.23	FY17 - MICE Commissioning and Operations (LBNL - Resources)	0%	10/3/16	9/29/17	0	0	0	17670.27	\$17,670								
4064	202	1.04.01.01.24	FY17 - MICE Commissioning and Operations (LBNL - M&S)	0%	10/3/16	9/29/17	0	0	0	0	\$0								
4065	203	1.04.01.01.25	FY17 - MICE Commissioning and Operations (BNL - Resources)	0%	10/3/16	9/29/17	0	0	0	240188.7	\$240,189								
4066	204	1.04.01.01.26	FY17 - MICE Commissioning and Operations (BNL - M&S)	0%	10/3/16	9/29/17	0	0	0	0	\$0								
4067	205	1.04.01.01.27	FY17 - MICE Commissioning and Operations (IIT - Resources)	0%	10/3/16	9/29/17	0	0	0	284176.56	\$284,177								
4068	206	1.04.01.01.28	FY17 - MICE Commissioning and Operations (IIT - M&S)	0%	10/3/16	9/29/17	0	0	0	49805.82	\$49,806								
4069	207	1.04.01.01.29	FY17 - MICE Commissioning and Operations (ICL - Resources)	0%	10/3/16	9/29/17	0	0	0	45446.45	\$45,447								
4070	208	1.04.01.01.30	FY17 - MICE Commissioning and Operations (UCR - Resources)	0%	10/3/16	9/29/17	0	0	0	23551.51	\$23,552								
3199	209	1.04.01.02	<b>MICE Analysis</b>	0%	10/1/15	4/6/16	0	0	0	0	\$0								
581	210	1.04.01.02.01	FY16 - MICEI Analysis (FNAL - Labor)	0%	10/1/15	4/6/16	0	0	0	0	\$0								
3216	211	1.04.01.02.02	FY16 - MICEI Analysis (FNAL - M&S)	0%	10/1/15	4/6/16	0	0	0	0	\$0								
3204	212	1.04.01.02.03	FY16 - MICE Analysis (ICL - Resources)	0%	10/1/15	4/6/16	0	0	0	0	\$0								
3205	213	1.04.01.02.04	FY16 - MICE Analysis (IIT - Resources)	0%	10/1/15	4/6/16	0	0	0	0	\$0								
3220	214	1.04.01.02.05	FY16 - MICEI Analysis (IIT - M&S)	0%	10/1/15	4/6/16	0	0	0	0	\$0								
3932	215	1.04.01.03	<b>MICE Common Fund</b>	33%	9/30/15	9/29/17	0	116098.94	118309.27	180830.66	\$415,239								
3206	216	1.04.01.03.01	MICE Common Fund (Billing Date 4/1/15)(18 People)(Calendar 14-15)	100%	9/30/15	9/30/15	0	116098.94	0	0	\$116,099								
3207	217	1.04.01.03.02	MICE Common Fund (Billing Date 4/1/16)(18 People)(Calendar 15-16)	0%	9/30/16	9/30/16	0	0	118309.27	0	\$118,309								
4050	218	1.04.01.03.03	MICE Common Fund (Billing Date 4/1/17)+(April Through September of 2017)(18 People)(Calendar 16-17)	0%	9/29/17	9/29/17	0	0	0	180830.66	\$180,831								
3933	219	1.04.01.04	<b>Incorporate MICE Step IV Results into Advanced Source Codes</b>	50%	10/1/14	9/30/16	0	0	0	0	\$0								
3934	220	1.04.01.04.01	FY15 MICE Step IV Results Into Codes (FNAL - Labor)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
3935	221	1.04.01.04.02	FY15 MICE Step IV Results Into Codes (FNAL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0								
3936	222	1.04.01.04.03	FY16 MICE Step IV Results Into Codes (FNAL - Labor)	0%	10/1/15	9/30/16	0	0	0	0	\$0								
3937	223	1.04.01.04.04	FY16 MICE Step IV Results Into Codes (FNAL - M&S)	0%	10/1/15	9/30/16	0	0	0	0	\$0								
2263	224	1.04.02	<b>L4 - [End WBS4] - End of Muon Ionization Cooling Experiment (MICE) (L1)</b>	0%	9/29/17	9/29/17	0	0	0	0	\$0								
1371	225	1.05	<b>MICE Construction</b>	43%	10/3/11	3/30/18	653497.61	3372303.62	2556834.32	1162635.47	\$7,746,523								

UID	ID	WBS	Name	% Complete	Start	Finish	- FY14 Costs - (+ Contingency) (All Institutions)	- FY15 Costs - (+ Contingency) (All Institutions)	- FY16 Costs - (+ Contingency) (All Institutions)	- FY17 Costs - (+ Contingency) (All Institutions)	TPC (+Contingency) (All Institutions)	Timeline					
												2015	2016	2017	20		
4141	226	1.05.01	<b>MICE Cooling Demonstration Baseline Design</b>	100%	8/14/14	1/7/15	0	0	0	0	\$0	[Gantt bars for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
4142	227	1.05.01.01	L4 - [Review] - MICE Cooling Demonstration Concept Endorsed (DOE Review) (L3)	100%	8/14/14	8/14/14	0	0	0	0	\$0						
4144	228	1.05.01.02	Cooling Demonstration Reference Design Development	100%	8/15/14	9/11/14	0	0	0	0	\$0						
4147	229	1.05.01.03	L4 - [Approval] - Cooling Demonstration Reference Design (L3)	100%	9/12/14	9/12/14	0	0	0	0	\$0						
4145	230	1.05.01.04	L4 - [Ready] - Report to DOE on MAP Ramp-Down	100%	9/15/14	9/15/14	0	0	0	0	\$0						
4146	231	1.05.01.05	L4 - [Required] - Report to DOE on MAP Ramp-Down Plan	100%	9/25/14	9/25/14	0	0	0	0	\$0						
4148	232	1.05.01.06	Optimize Cooling Demonstration Reference Design	100%	9/26/14	10/30/14	0	0	0	0	\$0						
4149	233	1.05.01.07	L4 - [Ready] - Cooling Demonstration Reference Design (present to MICE Collaboration)	100%	10/30/14	10/30/14	0	0	0	0	\$0						
4150	234	1.05.01.08	L4 - [Required] - Cooling Demonstration Reference Design (document for MICE Project Board)	100%	11/10/14	11/10/14	0	0	0	0	\$0						
4151	235	1.05.01.09	MICE RLS/MPB Review	100%	11/24/14	11/25/14	0	0	0	0	\$0						
4155	236	1.05.01.10	L4 - [Review] - Cooling Demonstration Reference Design (MPB Review) (L3)	100%	11/25/14	11/25/14	0	0	0	0	\$0						
4156	237	1.05.01.11	L4 - [Review] - Finalize RF Module Engineering Length (L3)	100%	12/18/14	12/18/14	0	0	0	0	\$0						
4157	238	1.05.01.12	L4 - [Review] - Finalize Maximum MICE Step IV to Cooling Demonstration Length Change (for PRY Pre-Order)	100%	1/7/15	1/7/15	0	0	0	0	\$0						
1372	239	1.05.02	<b>MICE RF Design, Fabrication and Testing</b>	34%	10/3/11	8/30/17	0	1733115.74	1368852.31	333071.9	\$3,435,040	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
2161	240	1.05.02.01	<b>MICE RF Design, Fabrication and Testing - Roll-Up</b>	34%	10/3/11	8/30/17	0	1733115.74	1368852.31	333071.9	\$3,435,040	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
1373	241	1.05.02.01.01	<b>MICE Engineering Oversight</b>	60%	10/1/14	9/30/16	0	215073.42	351326.02	0	\$566,400	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
1378	242	1.05.02.01.01.01	FY15 - MICE Engineering Oversight (LBNL - Resources)	100%	10/1/14	9/30/15	0	153074.19	0	0	\$153,074						
1379	243	1.05.02.01.01.02	FY15 - MICE Engineering Oversight (LBNL - M&S)	100%	10/1/14	9/30/15	0	3232.27	0	0	\$3,232						
4124	244	1.05.02.01.01.03	FY15 - MICE Engineering Oversight (FNAL - M&S)	100%	10/1/14	9/30/15	0	58766.97	0	0	\$58,767						
1380	245	1.05.02.01.01.04	FY16 - MICE Engineering Oversight (LBNL - Resources)	0%	10/1/15	9/30/16	0	0	322734.72	0	\$322,735						
1381	246	1.05.02.01.01.05	FY16 - MICE Engineering Oversight (LBNL - M&S)	0%	10/1/15	9/30/16	0	0	28591.3	0	\$28,591						
1384	247	1.05.02.01.02	<b>MICE RF System Component Design</b>	100%	10/1/14	9/10/15	0	84026.74	0	0	\$84,027	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
1391	248	1.05.02.01.02.01	<b>RF Vacuum Vessel Design</b>	100%	10/1/14	9/10/15	0	84026.74	0	0	\$84,027	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
1392	249	1.05.02.01.02.01.01	RF Vacuum Vessel Design (LBNL - Resources)	100%	10/1/14	2/26/15	0	84026.74	0	0	\$84,027						
1393	250	1.05.02.01.02.01.02	RF Vacuum Vessel Design (LBNL - M&S)	100%	10/1/14	2/26/15	0	0	0	0	\$0						
4125	251	1.05.02.01.02.01.03	L4 - [Ready] - RF Vacuum Vessel Design - Complete	100%	3/5/15	3/5/15	0	0	0	0	\$0						
4126	252	1.05.02.01.02.01.04	L4 - [Required] - RF Vacuum Vessel Design - Complete	100%	4/29/15	4/29/15	0	0	0	0	\$0						
4128	253	1.05.02.01.02.01.05	L4 - [Review] - RF Vacuum Vessel Design Review - Complete (L3)	100%	5/1/15	5/1/15	0	0	0	0	\$0						
4129	254	1.05.02.01.02.01.06	RF Vacuum System Conceptual Re-Design (LBNL - Resources)	100%	10/1/14	1/16/15	0	0	0	0	\$0						
4130	255	1.05.02.01.02.01.07	L4 - [Ready] - RF Vacuum System Conceptual Re-Design - Complete	100%	1/16/15	1/16/15	0	0	0	0	\$0						
4131	256	1.05.02.01.02.01.08	L4 - [Required] - RF Vacuum System Conceptual Re-Design - Complete	100%	1/26/15	1/26/15	0	0	0	0	\$0						
4133	257	1.05.02.01.02.01.09	L4 - [Review] - RF Vacuum System Conceptual Re-Design Review - Complete (L3)	100%	1/28/15	1/28/15	0	0	0	0	\$0						
4134	258	1.05.02.01.02.01.10	L4 - [Review] - MICE RF Systems Preliminary Review - Complete (L3)	100%	5/1/15	5/1/15	0	0	0	0	\$0						
4242	259	1.05.02.01.02.01.11	L4 - [Review] - MICE RF Systems RAL Review - Complete (L3)	100%	9/10/15	9/10/15	0	0	0	0	\$0						
1416	260	1.05.02.01.03	<b>MICE RF Cavity Fabrication (Production)</b>	44%	10/3/11	3/25/16	0	802956.64	145234.92	0	\$948,192	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
1437	261	1.05.02.01.03.01	<b>201 MHz Cavity Body Preparation (Production)</b>	100%	10/30/14	2/4/15	0	107708.3	0	0	\$107,708	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
1438	262	1.05.02.01.03.01.01	201 MHz Production Cavity Body Preparation Tooling (Production) (LBNL - Resources)	100%	10/30/14	11/26/14	0	7846.3	0	0	\$7,846						
1439	263	1.05.02.01.03.01.02	201 MHz Production Cavity Body Preparation Tooling (Production) (LBNL - M&S)	100%	10/30/14	11/26/14	0	0	0	0	\$0						
3825	264	1.05.02.01.03.01.03	L4 - [Ready] - 201 MHz Production Cavity Body Preparation Tooling (Production)	100%	11/26/14	11/26/14	0	0	0	0	\$0						
3826	265	1.05.02.01.03.01.04	L4 - [Required] - 201 MHz Production Cavity Body Preparation Tooling (Production)	100%	1/5/15	1/5/15	0	0	0	0	\$0						
1440	266	1.05.02.01.03.01.05	201 MHz Production Cavity Body Preparation (Production) (LBNL - Resources)	100%	1/6/15	2/3/15	0	99862	0	0	\$99,862						
1441	267	1.05.02.01.03.01.06	201 MHz Production Cavity Body Preparation (Production) (LBNL - M&S)	100%	1/6/15	2/3/15	0	0	0	0	\$0						
3827	268	1.05.02.01.03.01.07	L4 - [Ready] - 201 MHz Production Cavity Body Preparation (Production)	100%	2/3/15	2/3/15	0	0	0	0	\$0						
3828	269	1.05.02.01.03.01.08	L4 - [Required] - 201 MHz Production Cavity Body Preparation (Production)	100%	2/4/15	2/4/15	0	0	0	0	\$0						
1418	270	1.05.02.01.03.02	<b>201 MHz Cavity Electro-polished (Production)</b>	100%	2/5/15	3/24/15	0	51586.88	0	0	\$51,587	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
1419	271	1.05.02.01.03.02.01	201 MHz Cavity Electro-polished (Production) (LBNL - Resources)	100%	2/5/15	3/24/15	0	26748.75	0	0	\$26,749						
1420	272	1.05.02.01.03.02.02	201 MHz Cavity Electro-polished (Production) (LBNL - M&S)	100%	2/5/15	3/24/15	0	24838.13	0	0	\$24,838						
3819	273	1.05.02.01.03.02.03	L4 - [Ready] - 201 MHz Cavity Electro-polished (Production)	100%	3/24/15	3/24/15	0	0	0	0	\$0						
3820	274	1.05.02.01.03.02.04	L4 - [Required] - 201 MHz Cavity Electro-polished (Production)	100%	3/24/15	3/24/15	0	0	0	0	\$0						
1424	275	1.05.02.01.03.03	<b>201 MHz Actuator Fabrication (Production Units)</b>	68%	10/1/14	10/26/15	0	296070.44	0	0	\$296,070	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
4159	276	1.05.02.01.03.03.01	201 MHz Actuator (Redesign) (LBNL - Resources)	100%	10/1/14	11/3/14	0	0	0	0	\$0						
4160	277	1.05.02.01.03.03.02	201 MHz Actuator (Redesign) (LBNL - M&S)	100%	10/1/14	11/3/14	0	0	0	0	\$0						
4161	278	1.05.02.01.03.03.03	L4 - [Ready] - 201 MHz Actuator (Redesign)	100%	11/3/14	11/3/14	0	0	0	0	\$0						
4162	279	1.05.02.01.03.03.04	L4 - [Required] - 201 MHz Actuator (Redesign)	100%	11/17/14	11/17/14	0	0	0	0	\$0						
4163	280	1.05.02.01.03.03.05	L4 - [Review] - 201 MHz Actuator (Redesign) (L3)	100%	12/3/14	12/3/14	0	0	0	0	\$0						
4164	281	1.05.02.01.03.03.06	201 MHz Actuator (Prototype Construction) (LBNL - Resources)	100%	12/4/14	1/21/15	0	0	0	0	\$0						
4165	282	1.05.02.01.03.03.07	201 MHz Actuator (Prototype Construction) (LBNL - M&S)	100%	12/4/14	1/21/15	0	26494	0	0	\$26,494						
4167	283	1.05.02.01.03.03.08	L4 - [Ready] - 201 MHz Actuator (Prototype Construction)	100%	1/21/15	1/21/15	0	0	0	0	\$0						
4168	284	1.05.02.01.03.03.09	L4 - [Required] - 201 MHz Actuator (Prototype Construction)	100%	2/3/15	2/3/15	0	0	0	0	\$0						
4189	285	1.05.02.01.03.03.10	201 MHz Actuator (Functionality Testing) (LBNL - Resources)	100%	2/4/15	3/4/15	0	0	0	0	\$0						
4190	286	1.05.02.01.03.03.11	201 MHz Actuator (Functionality Testing) (LBNL - M&S)	100%	2/4/15	3/4/15	0	0	0	0	\$0						
4166	287	1.05.02.01.03.03.12	L4 - [Review] - 201 MHz Actuator (Prototype Construction) (L3)	100%	3/4/15	3/4/15	0	0	0	0	\$0						
4191	288	1.05.02.01.03.03.13	201 MHz Actuator (Lifetime Testing) (LBNL - Resources)	100%	5/4/15	6/17/15	0	0	0	0	\$0						
4192	289	1.05.02.01.03.03.14	201 MHz Actuator (Lifetime Testing) (LBNL - M&S)	100%	5/4/15	6/17/15	0	0	0	0	\$0						
4193	290	1.05.02.01.03.03.15	L4 - [Ready] - 201 MHz Actuator (Lifetime Testing)	100%	6/17/15	6/17/15	0	0	0	0	\$0						
4194	291	1.05.02.01.03.03.16	L4 - [Required] - 201 MHz Actuator (Lifetime Testing)	100%	6/17/15	6/17/15	0	0	0	0	\$0						
1425	292	1.05.02.01.03.03.17	201 MHz Actuator Fabrication (Production Units) (LBNL - Resources)	0%	7/20/15	9/28/15	0	0	0	0	\$0						
1426	293	1.05.02.01.03.03.18	201 MHz Actuator Fabrication (Production Units) (LBNL - M&S)	0%	7/20/15	9/28/15	0	269576.44	0	0	\$269,576						
3821	294	1.05.02.01.03.03.19	L4 - [Ready] - 201 MHz Actuator Fabrication (Production Units)	0%	9/28/15	9/28/15	0	0	0	0	\$0						
3822	295	1.05.02.01.03.03.20	L4 - [Required] - 201 MHz Actuator Fabrication (Production Units)	0%	10/26/15	10/26/15	0	0	0	0	\$0						
1427	296	1.05.02.01.03.04	<b>201 MHz Coupler Fabrication (Production Units)</b>	11%	1/28/15	12/2/15	0	347591.03	15032.78	0	\$362,624	[Summary bar for 2015 H1, 2015 H2, 2016 H1, 2016 H2, 2017 H1]					
4135	297	1.05.02.01.03.04.01	L4 - [Review] - 201 MHz Coupler Modification for RF Vacuum System Changes (L3)	100%	1/28/15	1/28/15	0	0	0	0	\$0						
1428	298	1.05.02.01.03.04.02	201 MHz Coupler Component Fabrication (Production Units) (LBNL - Resources)	20%	2/16/15	7/1/15	0	0	0	0	\$0						
1429	299	1.05.02.01.03.04.03	201 MHz Coupler Component Fabrication (Production Units) (LBNL - M&S)	20%	2/16/15	7/1/15	0	306668.06	0	0	\$306,668						
4137	300	1.05.02.01.03.04.04	L4 - [Review] - MICE Coupler Performance Review (MTA Results) (L3)	100%	5/5/15	5/5/15	0	0	0	0	\$0						

UID	ID	WBS	Name	% Complete	Start	Finish	- FY14 Costs - (+ Contingency) (All Institutions)	- FY15 Costs - (+ Contingency) (All Institutions)	- FY16 Costs - (+ Contingency) (All Institutions)	- FY17 Costs - (+ Contingency) (All Institutions)	TPC (+Contingency) (All Institutions)	2015					2016		2017		20		
												H1	H2	H1	H2	H1	H2	H1	H2				
1443	301	1.05.02.01.03.04.05	(RISK)-(R2) - 201 MHz Production Cavity (Approval of Coupler Surface Preparation)	100%	5/5/15	5/5/15	0	0	0	0	\$0												
1444	302	1.05.02.01.03.04.06	(RISK)-(R2) - 201 MHz Production Cavity (Approval of Coupler Surface Preparation) Possible Costs	100%	5/5/15	5/5/15	0	0	0	0	\$0												
3948	303	1.05.02.01.03.04.07	201 MHz Coupler Surface Preparation (Production Units) (LBNL - Resources)	0%	7/2/15	9/18/15	0	0	0	0	\$0												
3949	304	1.05.02.01.03.04.08	201 MHz Coupler Surface Preparation (Production Units) (LBNL - M&S)	0%	7/2/15	9/18/15	0	36190.8	0	0	\$36,191												
3950	305	1.05.02.01.03.04.09	201 MHz Coupler Assembly (Production Units) (LBNL - Resources)	0%	9/21/15	10/30/15	0	4732.16	15032.78	0	\$19,765												
3951	306	1.05.02.01.03.04.10	201 MHz Coupler Assembly (Production Units) (LBNL - M&S)	0%	9/21/15	10/30/15	0	0	0	0	\$0												
3823	307	1.05.02.01.03.04.11	L4 - [Ready] - 201 MHz Coupler Fabrication (Production Units) - Complete	0%	10/30/15	10/30/15	0	0	0	0	\$0												
3824	308	1.05.02.01.03.04.12	L4 - [Required] - 201 MHz Coupler Fabrication (Production Units) - Complete	0%	12/2/15	12/2/15	0	0	0	0	\$0												
1430	309	1.05.02.01.03.05	201 MHz Ceramic RF Window (Production)	100%	10/3/11	10/3/11	0	0	0	0	\$0												
1431	310	1.05.02.01.03.05.01	201 MHz Ceramic RF Window (Production) (LBNL - Resources)	100%	10/3/11	10/3/11	0	0	0	0	\$0												
1432	311	1.05.02.01.03.05.02	201 MHz Ceramic RF Window (Production) (LBNL - M&S)	100%	10/3/11	10/3/11	0	0	0	0	\$0												
1433	312	1.05.02.01.03.06	201 MHz Be Cavity Iris Window (Production)	100%	10/3/11	10/3/11	0	0	0	0	\$0												
1434	313	1.05.02.01.03.06.01	201 MHz Be Cavity Iris Window (Production) (LBNL - Resources)	100%	10/3/11	10/3/11	0	0	0	0	\$0												
1435	314	1.05.02.01.03.06.02	201 MHz Be Cavity Iris Window (Production) (LBNL - M&S)	100%	10/3/11	10/3/11	0	0	0	0	\$0												
4249	315	1.05.02.01.03.07	Additional MICE Beamline Bellows for Cooling Demonstration	0%	10/1/15	1/29/16	0	0	104547.44	0	\$104,547												
4250	316	1.05.02.01.03.07.01	Fabrication of Additional MICE Beamline Bellows (FNAL - M&S)	0%	10/1/15	12/29/15	0	0	104547.44	0	\$104,547												
4251	317	1.05.02.01.03.07.02	L4 - [Ready] - Fabrication of Additional MICE Beamline Bellows - Complete	0%	12/29/15	12/29/15	0	0	0	0	\$0												
4252	318	1.05.02.01.03.07.03	L4 - [Required] - Fabrication of Additional MICE Beamline Bellows - Complete	0%	1/29/16	1/29/16	0	0	0	0	\$0												
4253	319	1.05.02.01.03.08	Additional MICE Beamline Bellows for Cooling Demonstration Shipped to the UK	0%	2/1/16	3/25/16	0	0	25654.71	0	\$25,655												
4254	320	1.05.02.01.03.08.01	Additional MICE Beamline Bellows for Cooling Demonstration Shipped to the UK (FNAL - M&S)	0%	2/1/16	3/11/16	0	0	25654.71	0	\$25,655												
4255	321	1.05.02.01.03.08.02	L4 - [Ready] - Additional MICE Beamline Bellows for Cooling Demonstration Shipped to the UK - Cor	0%	3/11/16	3/11/16	0	0	0	0	\$0												
4256	322	1.05.02.01.03.08.03	L4 - [Required] - Additional MICE Beamline Bellows for Cooling Demonstration Shipped to the UK - C	0%	3/25/16	3/25/16	0	0	0	0	\$0												
1436	323	1.05.02.01.03.09	L4 - [Complete] - All RF Parts (Except Couplers) for RF Modules Ready	0%	10/26/15	10/26/15	0	0	0	0	\$0												
1466	324	1.05.02.01.04	MICE RF Vacuum Vessel Fabrication	10%	5/21/15	1/8/16	0	435351.73	262398.86	0	\$697,751												
1467	325	1.05.02.01.04.01	RF Vacuum Vessel Fabrication	24%	5/21/15	1/8/16	0	220684.63	205794.7	0	\$426,479												
4243	326	1.05.02.01.04.01.01	RF Vacuum Vessel Bid Process (FNAL - Labor)	100%	5/21/15	7/31/15	0	0	0	0	\$0												
1468	327	1.05.02.01.04.01.02	RF Vacuum Vessel Fabrication (LBNL - Resources)	0%	8/3/15	11/23/15	0	11173.85	10419.94	0	\$21,594												
1469	328	1.05.02.01.04.01.03	RF Vacuum Vessel Fabrication (FNAL - M&S)	0%	8/3/15	11/23/15	0	209510.77	195374.76	0	\$404,886												
3829	329	1.05.02.01.04.01.04	L4 - [Ready] - RF Vacuum Vessel Fabrication	0%	11/23/15	11/23/15	0	0	0	0	\$0												
3830	330	1.05.02.01.04.01.05	L4 - [Required] - RF Vacuum Vessel Fabrication	0%	1/8/16	1/8/16	0	0	0	0	\$0												
1470	331	1.05.02.01.04.02	RF Vacuum System Assembly & Test	0%	6/10/15	1/8/16	0	214667.1	56604.17	0	\$271,271												
1471	332	1.05.02.01.04.02.01	RF Vacuum System Assembly & Test (LBNL - Resources)	0%	6/10/15	10/29/15	0	39666.59	10459.42	0	\$50,126												
1472	333	1.05.02.01.04.02.02	RF Vacuum System Assembly & Test (LBNL - M&S)	0%	6/10/15	10/29/15	0	0	0	0	\$0												
4270	334	1.05.02.01.04.02.03	RF Vacuum System Assembly & Test (FNAL - M&S)	0%	6/10/15	10/29/15	0	175000.51	46144.74	0	\$221,145												
3831	335	1.05.02.01.04.02.04	L4 - [Ready] - RF Vacuum System Assembly & Test	0%	10/29/15	10/29/15	0	0	0	0	\$0												
3832	336	1.05.02.01.04.02.05	L4 - [Required] - RF Vacuum System Assembly & Test	0%	12/16/15	12/16/15	0	0	0	0	\$0												
1473	337	1.05.02.01.04.02.06	L4 - [Complete] - RF Vacuum System Assembly & Test (Complete) (L3)	0%	1/8/16	1/8/16	0	0	0	0	\$0												
1681	338	1.05.02.01.05	RF Module#1 & RF Module#2 Assembly	1%	5/4/15	8/30/17	0	195707.2	609892.5	333071.9	\$1,138,672												
1717	339	1.05.02.01.05.01	RF Module#1 & RF Module#2 Integration	5%	5/4/15	5/31/16	0	195707.2	371726.43	0	\$567,434												
1718	340	1.05.02.01.05.01.01	RF Module#1 & RF Module#2 - Purchase & Assemble Components (LBNL - Resources)	10%	5/4/15	8/25/15	0	65707.77	0	0	\$65,708												
1719	341	1.05.02.01.05.01.02	RF Module#1 & RF Module#2 - Purchase & Assemble Components (LBNL - M&S)	10%	5/4/15	8/25/15	0	129999.44	0	0	\$129,999												
3839	342	1.05.02.01.05.01.03	L4 - [Ready] - RF Module#1 & RF Module#2 - Purchase & Assemble Components	0%	8/25/15	8/25/15	0	0	0	0	\$0												
3840	343	1.05.02.01.05.01.04	L4 - [Required] - RF Module#1 & RF Module#2 - Purchase & Assemble Components	0%	10/5/15	10/5/15	0	0	0	0	\$0												
1720	344	1.05.02.01.05.01.05	RF Module#1 to Vacuum Vessel Fit-up (LBNL - Resources) (LBNL - Resources)	0%	1/11/16	2/22/16	0	0	150464.16	0	\$150,464												
1721	345	1.05.02.01.05.01.06	RF Module#1 to Vacuum Vessel Fit-up (LBNL - M&S)	0%	1/11/16	2/22/16	0	0	18628.9	0	\$18,629												
2174	346	1.05.02.01.05.01.07	L4 - [Ready] - RF Module#1 to Vacuum Vessel Fit-up - Complete	0%	2/22/16	2/22/16	0	0	0	0	\$0												
2175	347	1.05.02.01.05.01.08	L4 - [Required] - RF Module#1 to Vacuum Vessel Fit-up - Complete	0%	3/14/16	3/14/16	0	0	0	0	\$0												
4257	348	1.05.02.01.05.01.09	Module#2 RF to Vacuum Vessel Fit-up (LBNL - Resources) (LBNL - Resources)	0%	2/2/16	3/14/16	0	0	150464.16	0	\$150,464												
4258	349	1.05.02.01.05.01.10	Module#2 RF to Vacuum Vessel Fit-up (LBNL - M&S)	0%	2/2/16	3/14/16	0	0	18628.9	0	\$18,629												
4259	350	1.05.02.01.05.01.11	L4 - [Ready] - RF Module#2 RF to Vacuum Vessel Fit-up - Complete	0%	3/14/16	3/14/16	0	0	0	0	\$0												
4260	351	1.05.02.01.05.01.12	L4 - [Required] - RF Module#2 RF to Vacuum Vessel Fit-up - Complete	0%	4/4/16	4/4/16	0	0	0	0	\$0												
1722	352	1.05.02.01.05.01.13	L4 - [Complete] - RF Module#1 & RF Module#2 Integration - Complete (L3)	0%	4/4/16	4/4/16	0	0	0	0	\$0												
4102	353	1.05.02.01.05.01.14	(RISK)-(R3) - RF Module#1 & RF Module#2 Assembly	0%	4/4/16	4/4/16	0	0	0	0	\$0												
4103	354	1.05.02.01.05.01.15	(RISK)-(R3) - RF Module#1 & RF Module#2 Assembly - Possible Costs for this R3 Risk	0%	4/5/16	5/31/16	0	0	33540.32	0	\$33,540												
1723	355	1.05.02.01.05.02	RF Module#1 & RF Module#2 Preparation for Shipment to RAL	0%	3/15/16	5/9/16	0	0	95804.86	0	\$95,805												
1724	356	1.05.02.01.05.02.01	RF Module#1 Preparation for Shipment to RAL (LBNL - Resources)	0%	3/15/16	4/4/16	0	0	34403.23	0	\$34,403												
1725	357	1.05.02.01.05.02.02	RF Module#1 Preparation for Shipment to RAL (LBNL - M&S)	0%	3/15/16	4/4/16	0	0	13499.2	0	\$13,499												
3843	358	1.05.02.01.05.02.03	L4 - [Ready] - RF Module#1 Preparation for Shipment to RAL	0%	4/4/16	4/4/16	0	0															





UID	ID	WBS	Name	% Complete	Start	Finish	- FY14 Costs - (+ Contingency) (All Institutions)	- FY15 Costs - (+ Contingency) (All Institutions)	- FY16 Costs - (+ Contingency) (All Institutions)	- FY17 Costs - (+ Contingency) (All Institutions)	TPC (+Contingency) (All Institutions)	2015				2016				2017		20
												H1	H2	H1	H2	H1	H2	H1	H2			
2142	526	1.05.04.01.03.02	FY15 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0											
2143	527	1.05.04.01.03.03	FY16 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - Resources)	0%	10/1/15	9/30/16	0	0	87225.6	0	\$87,226											
2144	528	1.05.04.01.03.04	FY16 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M&S)	0%	10/1/15	9/30/16	0	0	0	0	\$0											
2185	529	1.05.04.01.03.05	FY17 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - Resources)	0%	10/3/16	9/29/17	0	0	0	88880.4	\$88,880											
2186	530	1.05.04.01.03.06	FY17 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M&S)	0%	10/3/16	9/29/17	0	0	0	0	\$0											
1815	531	1.05.05	<b>MICE Detector Design, Fabrication and Testing and Commissioning</b>	37%	10/3/11	9/29/17	0	51210.84	19038.19	19645.86	\$89,895											
2146	532	1.05.05.01	<b>MICE Detector Design, Fabrication and Testing - Roll-Up</b>	37%	10/3/11	9/29/17	0	51210.84	19038.19	19645.86	\$89,895											
1816	533	1.05.05.01.01	<b>MICE Detectors (US Contributions)</b>	33%	10/1/14	9/29/17	0	18482.8	19038.19	19645.86	\$57,167											
1817	534	1.05.05.01.01.01	<b>MICE-US Tracker Detector</b>	33%	10/1/14	9/29/17	0	18482.8	19038.19	19645.86	\$57,167											
1822	535	1.05.05.01.01.01.01	FY15 - MICE-US Tracker Detector (FNAL - Labor)	100%	10/1/14	9/30/15	0	18482.8	0	0	\$18,483											
1823	536	1.05.05.01.01.01.02	FY15 - MICE-US Tracker Detector (FNAL - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0											
1824	537	1.05.05.01.01.01.03	FY16 - MICE-US Tracker Detector (FNAL - Labor)	0%	10/1/15	9/30/16	0	0	19038.19	0	\$19,038											
1825	538	1.05.05.01.01.01.04	FY16 - MICE-US Tracker Detector (FNAL - M&S)	0%	10/1/15	9/30/16	0	0	0	0	\$0											
1826	539	1.05.05.01.01.01.05	FY17 - MICE-US Tracker Detector (FNAL - Labor)	0%	10/3/16	9/29/17	0	0	0	19645.86	\$19,646											
1827	540	1.05.05.01.01.01.06	FY17 - MICE-US Tracker Detector (FNAL - M&S)	0%	10/3/16	9/29/17	0	0	0	0	\$0											
1835	541	1.05.05.01.02	<b>MICE Absorbers (US Contributions) - Roll-Up</b>	47%	10/3/11	5/27/16	0	32728.04	0	0	\$32,728											
1836	542	1.05.05.01.02.01	<b>MICE-US LiH Disk Fabrication</b>	100%	10/3/11	4/4/12	0	0	0	0	\$0											
1837	543	1.05.05.01.02.01.01	MICE-US LiH Disk Fabrication (FNAL - Labor)	100%	10/3/11	4/3/12	0	0	0	0	\$0											
1838	544	1.05.05.01.02.01.02	MICE-US LiH Disk Fabrication (FNAL - M&S)	100%	10/3/11	4/3/12	0	0	0	0	\$0											
3784	545	1.05.05.01.02.01.03	L4 - [Ready] - MICE-US LiH Disk Fabrication - Complete	100%	4/3/12	4/3/12	0	0	0	0	\$0											
3785	546	1.05.05.01.02.01.04	L4 - [Required] - MICE-US LiH Disk Fabrication	100%	4/4/12	4/4/12	0	0	0	0	\$0											
1839	547	1.05.05.01.02.02	<b>MICE-US LiH Disk Shipping to RAL</b>	100%	8/15/14	11/14/14	0	32728.04	0	0	\$32,728											
4123	548	1.05.05.01.02.02.01	L4 - [DOE Approval] - MICE-US LiH Disk Shipping Approval by DOE (L3)	100%	8/15/14	8/15/14	0	0	0	0	\$0											
4184	549	1.05.05.01.02.02.02	L4 - [Required] - MICE-US LiH Disk Shipping Approval by Y12 - Complete	100%	10/29/14	10/29/14	0	0	0	0	\$0											
1840	550	1.05.05.01.02.02.03	MICE-US LiH Disk Shipping to Y12 (FNAL - Labor)	100%	11/4/14	11/5/14	0	0	0	0	\$0											
1841	551	1.05.05.01.02.02.04	MICE-US LiH Disk Shipping to Y12 (FNAL - M&S)	100%	11/4/14	11/5/14	0	16364.02	0	0	\$16,364											
4177	552	1.05.05.01.02.02.05	L4 - [Ready] - MICE-US LiH Disk Shipping to Y12 - Complete	100%	11/5/14	11/5/14	0	0	0	0	\$0											
4178	553	1.05.05.01.02.02.06	L4 - [Required] - MICE-US LiH Disk Shipping to Y12 - Complete	100%	11/5/14	11/5/14	0	0	0	0	\$0											
4180	554	1.05.05.01.02.02.07	MICE-US LiH Disk Shipping from Y12 to RAL (FNAL - M&S)	100%	11/6/14	11/7/14	0	16364.02	0	0	\$16,364											
4181	555	1.05.05.01.02.02.08	L4 - [Ready] - MICE-US LiH Disk Shipping from Y12 to RAL - Complete	100%	11/7/14	11/7/14	0	0	0	0	\$0											
4182	556	1.05.05.01.02.02.09	L4 - [Required] - MICE-US LiH Disk Shipping from Y12 to RAL - Complete	100%	11/14/14	11/14/14	0	0	0	0	\$0											
4183	557	1.05.05.01.02.02.10	L4 - [US Deliverable] - MICE-US LiH Disk Shipping from Y12 to RAL - Complete (L3) (Removed L4 M	100%	11/14/14	11/14/14	0	0	0	0	\$0											
1842	558	1.05.05.01.02.03	<b>MICE-US Extra LiH Disk Fabrication</b>	0%	10/1/15	4/29/16	0	0	0	0	\$0											
1843	559	1.05.05.01.02.03.01	MICE-US Extra LiH Disk Fabrication (FNAL - Labor)	0%	10/1/15	4/1/16	0	0	0	0	\$0											
1844	560	1.05.05.01.02.03.02	MICE-US Extra LiH Disk Fabrication (FNAL - M&S)	0%	10/1/15	4/1/16	0	0	0	0	\$0											
3786	561	1.05.05.01.02.03.03	L4 - [Ready] - MICE-US Extra LiH Disk Fabrication - Complete (Removed L4 Milestone info so it does	0%	4/1/16	4/1/16	0	0	0	0	\$0											
3787	562	1.05.05.01.02.03.04	L4 - [Required] - MICE-US Extra LiH Disk Fabrication	0%	4/29/16	4/29/16	0	0	0	0	\$0											
1845	563	1.05.05.01.02.04	<b>MICE-US Extra LiH Disk Shipping to RAL</b>	0%	5/2/16	5/27/16	0	0	0	0	\$0											
1846	564	1.05.05.01.02.04.01	MICE-US Extra LiH Disk Shipping to RAL (FNAL - Labor)	0%	5/2/16	5/27/16	0	0	0	0	\$0											
1847	565	1.05.05.01.02.04.02	MICE-US Extra LiH Disk Shipping to RAL (FNAL - M&S)	0%	5/2/16	5/27/16	0	0	0	0	\$0											
1848	566	1.05.06	<b>MICE US Component Integration</b>	30%	5/9/14	3/30/18	0	381641.45	665024.07	630737.35	\$1,678,654											
4107	567	1.05.06.01	<b>MICE UK Target Dates</b>	0%	7/6/15	3/30/18	0	0	0	0	\$0											
4108	568	1.05.06.01.01	L4 - [UK Construction Complete] - MICE Step IV Construction Complete (L2)	100%	7/6/15	7/6/15	0	0	0	0	\$0											
4110	569	1.05.06.01.02	L4 - [UK Start Commissioning] - MICE Step IV Commissioning Start (L2)	100%	7/22/15	7/22/15	0	0	0	0	\$0											
4114	570	1.05.06.01.03	L4 - [UK Commissioning Complete] - MICE Step IV Commissioning Complete (L2)	0%	12/16/15	12/16/15	0	0	0	0	\$0											
4111	571	1.05.06.01.04	L4 - [UK Start Data] - MICE Step IV Data Taking Start (L2)	0%	12/16/15	12/16/15	0	0	0	0	\$0											
4115	572	1.05.06.01.05	L4 - [UK Data Complete] - MICE Step IV Data Taking Complete (L2)	0%	6/2/16	6/2/16	0	0	0	0	\$0											
4122	573	1.05.06.01.06	L4 - [UK Start Construction] - MICE Cooling Demonstration Construction Start (L2)	0%	6/2/16	6/2/16	0	0	0	0	\$0											
4116	574	1.05.06.01.07	L4 - [UK Construction Complete] - MICE Cooling Demonstration Construction Complete (L2)	0%	3/27/17	3/27/17	0	0	0	0	\$0											
4117	575	1.05.06.01.08	L4 - [UK Start Commissioning] - MICE Cooling Demonstration Commissioning Start (L2)	0%	3/27/17	3/27/17	0	0	0	0	\$0											
4118	576	1.05.06.01.09	L4 - [UK Commissioning Complete] - MICE Cooling Demonstration Commissioning Complete (L2)	0%	5/3/17	5/3/17	0	0	0	0	\$0											
4119	577	1.05.06.01.10	L4 - [UK Start Data] - MICE Cooling Demonstration Data Taking Start (L2)	0%	5/3/17	5/3/17	0	0	0	0	\$0											
4120	578	1.05.06.01.11	L4 - [UK Data Complete] - MICE Cooling Demonstration Data Taking Complete (L2)	0%	3/30/18	3/30/18	0	0	0	0	\$0											
2145	579	1.05.06.02	<b>MICE US Component Integration - Roll-Up</b>	30%	5/9/14	10/12/17	0	381641.45	665024.07	630737.35	\$1,678,654											
1849	580	1.05.06.02.01	<b>MICE-US RF Component Integration</b>	0%	10/3/16	6/21/17	0	0	0	118420.63	\$118,421											
1853	581	1.05.06.02.01.01	MICE-US RF Module#1 & RF Module#2 Component Integration (FNAL - Labor)	0%	10/3/16	2/28/17	0	0	0	0	\$0											
1854	582	1.05.06.02.01.02	MICE-US RF Module#1 & RF Module#2 Component Integration (FNAL - M&S)	0%	10/3/16	2/28/17	0	0	0	0	\$0											
1855	583	1.05.06.02.01.03	(RISK)-(R2) - RF Module#1 & RF Module#2 Component Integration	0%	2/28/17	2/28/17	0	0	0	0	\$0											
2207	584	1.05.06.02.01.04	(RISK)-(R2) - RF Module#1 & RF Module#2 Component Integration - Possible Costs for this R2 Risk	0%	3/1/17	6/21/17	0	0	0	118420.63	\$118,421											
1858	585	1.05.06.02.02	<b>MICE-US SS Component Integration</b>	0%	5/9/14	12/16/15	0	85676.98	176756.15	0	\$262,433											
1859	586	1.05.06.02.02.01	MICE-US SS#1 & SS#2 Component Integration (FNAL - Labor)	0%	5/9/14	8/3/15	0	0	0	0	\$0											
1860	587	1.05.06.02.02.02	MICE-US SS#1 & SS#2 Component Integration (FNAL - M&S)	0%	5/9/14	8/3/15	0	0	0	0	\$0											
1861	588	1.05.06.02.02.03	(RISK)-(R2) - MICE-US SS Component Integration	0%	8/21/15	8/21/15	0	0	0	0	\$0											
1862	589	1.05.06.02.02.04	(RISK)-(R2) - MICE-US SS Component Integration - Possible Costs for this R2 Risk																			



UID	ID	WBS	Name	% Complete	Start	Finish	- FY14 Costs - (+ Contingency) (All Institutions)	- FY15 Costs - (+ Contingency) (All Institutions)	- FY16 Costs - (+ Contingency) (All Institutions)	- FY17 Costs - (+ Contingency) (All Institutions)	TPC (+Contingency) (All Institutions)	2015		2016		2017		20
												H1	H2	H1	H2	H1	H2	
1881	601	1.05.06.02.05	MICE-US Component Integration (Cost for Coordination & Oversight for above Integration)	50%	10/1/14	9/29/17	0	295964.48	488267.92	502304.63	\$1,286,537							
1886	602	1.05.06.02.05.01	FY15 Cost - MICE-US Component Integration (FNAL - Labor)	100%	10/1/14	9/30/15	0	108055.5	0	0	\$108,056							
1887	603	1.05.06.02.05.02	FY15 Cost - MICE-US Component Integration (FNAL - M&S)	100%	10/1/14	9/30/15	0	117346.38	0	0	\$117,346							
4048	604	1.05.06.02.05.03	FY15 Cost - MICE-US Component Integration (IIT - Resources)	100%	10/1/14	9/30/15	0	70562.59	0	0	\$70,563							
4049	605	1.05.06.02.05.04	FY15 Cost - MICE-US Component Integration (IIT - M&S)	100%	10/1/14	9/30/15	0	0	0	0	\$0							
1888	606	1.05.06.02.05.05	FY16 Cost - MICE-US Component Integration (FNAL - Labor)	0%	10/1/15	9/30/16	0	0	368687.47	0	\$368,688							
1889	607	1.05.06.02.05.06	FY16 Cost - MICE-US Component Integration (FNAL - M&S)	0%	10/1/15	9/30/16	0	0	119580.45	0	\$119,581							
1890	608	1.05.06.02.05.07	FY17 Cost - MICE-US Component Integration (FNAL - Labor)	0%	10/3/16	9/29/17	0	0	0	380455.56	\$380,456							
1891	609	1.05.06.02.05.08	FY17 Cost - MICE-US Component Integration (FNAL - M&S)	0%	10/3/16	9/29/17	0	0	0	121849.07	\$121,849							
2261	610	1.05.07	L4 - [End WBS5] - End of MAP/MICE (L1)	0%	9/29/17	9/29/17	0	0	0	0	\$0							
4106	611	1.05.08	L4 - [UK - End WBS5] - End of UK Effort (L1)	0%	3/30/18	3/30/18	0	0	0	0	\$0							