





UID	ID	WBS	Resp Instt Name/Code	Name	Start	Finish	Duration	% Complete	Predecessors	Successors	Resource Names	Work	Fixed Cost	Cost	BaseEstCost Escalated	TPC (+Contingency) (All Institutions)	2015				2016		2017		20
																	H1	H2	H1	H2	H1	H2	H1		
3958	151	1.03.03.01.02	FNAL(01)	FY15 Vacuum RF Cavity R&D (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	150SS	152SS		0 hrs	\$0	\$0	\$0	\$0									
3959	152	1.03.03.01.03	IIT(23)	FY15 Vacuum RF Cavity R&D (IIT - Resources)	10/1/14	9/30/15	251 d	100%	151SS	153SS		0 hrs	\$0	\$0	\$0	\$0									
3960	153	1.03.03.01.04	IIT(23)	FY15 Vacuum RF Cavity R&D (IIT - M&S)	10/1/14	9/30/15	251 d	100%	152SS	175,154SS		0 hrs	\$0	\$0	\$0	\$0									
4028	154	1.03.03.01.05	LBNL(05)	FY15 Vacuum RF Cavity R&D (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	153SS	155SS	LBNL_N_LUO[20	502 hrs	\$54,700	\$54,700	\$55,739	\$55,739									
4029	155	1.03.03.01.06	LBNL(05)	FY15 Vacuum RF Cavity R&D (LBNL - M&S)	10/1/14	9/30/15	251 d	100%	154SS	156SS		0 hrs	\$0	\$0	\$0	\$0									
4030	156	1.03.03.01.07	UC(28)	FY15 Vacuum RF Cavity R&D (UC - Resources)	10/1/14	9/30/15	251 d	100%	155SS	157SS	UC_N_KOCHEM	1,004 hrs	\$21,200	\$21,200	\$22,251	\$22,251									
4031	157	1.03.03.01.08	UC(28)	FY15 Vacuum RF Cavity R&D (UC - M&S)	10/1/14	9/30/15	251 d	100%	156SS	175		0 hrs	\$0	\$0	\$0	\$0									
4086	158	1.03.03.01.09	FNAL(01)	FY16 Vacuum RF Cavity R&D (FNAL - Labor)	10/1/15	3/31/16	124 d	0%	29FS-14 d	159SS,160SS	FNAL_N_BOWR	793 hrs	\$0	\$111,204	\$117,409	\$117,409	\$117,409								
4087	159	1.03.03.01.10	FNAL(01)	FY16 Vacuum RF Cavity R&D (FNAL - M&S)	10/1/15	3/31/16	124 d	0%	158SS	175		0 hrs	\$0	\$0	\$0	\$0									
4088	160	1.03.03.01.11	UC(28)	FY16 Vacuum RF Cavity R&D (UC - Resources)	10/1/15	3/31/16	124 d	0%	158SS	161SS	UC_N_KOCHEM	496 hrs	\$10,600	\$10,600	\$11,337	\$11,337									
4089	161	1.03.03.01.12	UC(28)	FY16 Vacuum RF Cavity R&D (UC - M&S)	10/1/15	3/31/16	124 d	0%	160SS	175		0 hrs	\$0	\$0	\$0	\$0									
4021	162	1.03.03.02		<b>High Pressure RF Cavity R&amp;D</b>	10/1/14	3/31/16	375 d	67%				8,490 hrs	\$0	\$568,065	\$592,316	\$592,316									
4022	163	1.03.03.02.01	FNAL(01)	FY15 High Pressure RF Cavity R&D (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	164SS	FNAL_N_YONEH	1,667 hrs	\$0	\$244,619	\$250,735	\$250,735									
4023	164	1.03.03.02.02	FNAL(01)	FY15 High Pressure RF Cavity R&D (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	163SS	165SS		0 hrs	\$0	\$0	\$0	\$0									
4024	165	1.03.03.02.03	IIT(23)	FY15 High Pressure RF Cavity R&D (IIT - Resources)	10/1/14	9/30/15	251 d	100%	164SS	166SS	IIT_N_FREEMIR	2,008 hrs	\$77,230	\$77,230	\$81,058	\$81,058									
4025	166	1.03.03.02.04	IIT(23)	FY15 High Pressure RF Cavity R&D (IIT - M&S)	10/1/14	9/30/15	251 d	100%	165SS	175,167SS		0 hrs	\$0	\$0	\$0	\$0									
4032	167	1.03.03.02.05	SUNY(33)	FY15 High Pressure RF Cavity R&D (SUNY - Resources)	10/1/14	9/30/15	251 d	100%	166SS	168SS	SUNY_N_MA,SU	2,008 hrs	\$57,900	\$57,900	\$60,770	\$60,770									
4033	168	1.03.03.02.06	SUNY(33)	FY15 High Pressure RF Cavity R&D (SUNY - M&S)	10/1/14	9/30/15	251 d	100%	167SS	175		0 hrs	\$0	\$0	\$0	\$0									
4090	169	1.03.03.02.07	FNAL(01)	FY16 High Pressure RF Cavity R&D (FNAL - Labor)	10/1/15	3/31/16	124 d	0%	29FS-14 d	170SS	FNAL_N_YONEH	823 hrs	\$0	\$120,751	\$127,489	\$127,489	\$127,489								
4091	170	1.03.03.02.08	FNAL(01)	FY16 High Pressure RF Cavity R&D (FNAL - M&S)	10/1/15	3/31/16	124 d	0%	169SS	171SS		0 hrs	\$0	\$0	\$0	\$0									
4092	171	1.03.03.02.09	IIT(23)	FY16 High Pressure RF Cavity R&D (IIT - Resources)	10/1/15	3/31/16	124 d	0%	170SS	172SS	IIT_N_FREEMIR	992 hrs	\$38,615	\$38,615	\$41,301	\$41,301									
4093	172	1.03.03.02.10	IIT(23)	FY16 High Pressure RF Cavity R&D (IIT - M&S)	10/1/15	3/31/16	124 d	0%	171SS	173SS		0 hrs	\$0	\$0	\$0	\$0									
4094	173	1.03.03.02.11	SUNY(33)	FY16 High Pressure RF Cavity R&D (SUNY - Resources)	10/1/15	3/31/16	124 d	0%	172SS	174SS	SUNY_N_MA,SU	992 hrs	\$28,950	\$28,950	\$30,964	\$30,964									
4095	174	1.03.03.02.12	SUNY(33)	FY16 High Pressure RF Cavity R&D (SUNY - M&S)	10/1/15	3/31/16	124 d	0%	173SS	175		0 hrs	\$0	\$0	\$0	\$0									
2264	175	1.03.04	FNAL(01)	<b>L4 - [End WBS3] - End of MuCool Test Area Support (MTA) (L1)</b>	3/31/16	3/31/16	0 d	0%	112,97,91,90,153,16	31		0 hrs	\$0	\$0	\$0	\$0									
8	176	1.04		<b>Muon Ionization Cooling Experiment (MICE)</b>	10/1/14	9/29/17	753 d	33%				30,742 hrs	\$0	\$3,271,691	\$3,538,523	\$3,538,523									
576	177	1.04.01		<b>MICE Experimental Support</b>	10/1/14	9/29/17	753 d	33%				30,742 hrs	\$0	\$3,271,691	\$3,538,523	\$3,538,523									
580	178	1.04.01.01		<b>MICE Commissioning and Operations</b>	10/1/14	9/29/17	753 d	33%				30,742 hrs	\$0	\$2,948,879	\$3,123,284	\$3,123,285									
3198	179	1.04.01.01.01	FNAL(01)	FY15 - MICE Commissioning and Operations (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	210,180SS	FNAL_N_ADEY[5	3,614 hrs	\$0	\$386,889	\$396,561	\$396,561									
3215	180	1.04.01.01.02	FNAL(01)	FY15 - MICE Commissioning and Operations (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	179SS	181SS	FN_M&S_TRVL_	0 hrs	\$13,400	\$13,400	\$16,868	\$16,868									
4036	181	1.04.01.01.03	LBNL(05)	FY15 - MICE Commissioning and Operations (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	180SS	182SS	LBNL_N_LUO[10	201 hrs	\$16,700	\$16,700	\$17,017	\$17,017									
4037	182	1.04.01.01.04	LBNL(05)	FY15 - MICE Commissioning and Operations (LBNL - M&S)	10/1/14	9/30/15	251 d	100%	181SS	183SS		0 hrs	\$0	\$0	\$0	\$0									
4041	183	1.04.01.01.05	BNL(03)	FY15 - MICE Commissioning and Operations (BNL - Resources)	10/1/14	9/30/15	251 d	100%	182SS	184SS	BNL_N_WITTE[4	1,646 hrs	\$227,000	\$227,000	\$231,313	\$231,313									
4042	184	1.04.01.01.06	BNL(03)	FY15 - MICE Commissioning and Operations (BNL - M&S)	10/1/14	9/30/15	251 d	100%	183SS	185SS		0 hrs	\$0	\$0	\$0	\$0									
3203	185	1.04.01.01.07	IIT(23)	FY15 - MICE Commissioning and Operations (IIT - Resources)	10/1/14	9/30/15	251 d	100%	184SS	186SS	IIT_N_HANLET[5	4,217 hrs	\$260,750	\$260,750	\$273,675	\$273,675									
3218	186	1.04.01.01.08	IIT(23)	FY15 - MICE Commissioning and Operations (IIT - M&S)	10/1/14	9/30/15	251 d	100%	185SS	187SS	IIT_M&S_TRVL_	0 hrs	\$45,700	\$45,700	\$47,965	\$47,965									
3202	187	1.04.01.01.09	ICL(32)	FY15 - MICE Commissioning and Operations (ICL - Resources)	10/1/14	9/30/15	251 d	100%	186SS	188SS	ICL_N_LAGRAN	502 hrs	\$41,700	\$41,700	\$43,767	\$43,767									
4047	188	1.04.01.01.10	UCR(27)	FY15 - MICE Commissioning and Operations (UCR - Resources)	10/1/14	9/30/15	251 d	100%	187SS	224	UCR_N_BAO[20	402 hrs	\$21,610	\$21,610	\$22,681	\$22,681									
4051	189	1.04.01.01.11	FNAL(01)	FY16 - MICE Commissioning and Operations (FNAL - Labor)	10/1/15	9/30/16	252 d	0%	29FS-14 d	190SS	FNAL_N_ADEY[5	3,614 hrs	\$0	\$386,889	\$408,477	\$408,477									
4052	190	1.04.01.01.12	FNAL(01)	FY16 - MICE Commissioning and Operations (FNAL - M&S)	10/1/15	9/30/16	252 d	0%	189SS	191SS	FN_M&S_TRVL_	0 hrs	\$13,400	\$13,400	\$17,189	\$17,189									
4053	191	1.04.01.01.13	LBNL(05)	FY16 - MICE Commissioning and Operations (LBNL - Resources)	10/1/15	9/30/16	252 d	0%	190SS	192SS	LBNL_N_LUO[10	201 hrs	\$16,700	\$16,700	\$17,341	\$17,341									
4054	192	1.04.01.01.14	LBNL(05)	FY16 - MICE Commissioning and Operations (LBNL - M&S)	10/1/15	9/30/16	252 d	0%	191SS	193SS		0 hrs	\$0	\$0	\$0	\$0									
4055	193	1.04.01.01.15	BNL(03)	FY16 - MICE Commissioning and Operations (BNL - Resources)	10/1/15	9/30/16	252 d	0%	192SS	194SS	BNL_N_WITTE[4	1,646 hrs	\$227,000	\$227,000	\$235,717	\$235,717									
4056	194	1.04.01.01.16	BNL(03)	FY16 - MICE Commissioning and Operations (BNL - M&S)	10/1/15	9/30/16	252 d	0%	193SS	195SS		0 hrs	\$0	\$0	\$0	\$0									
4057	195	1.04.01.01.17	IIT(23)	FY16 - MICE Commissioning and Operations (IIT - Resources)	10/1/15	9/30/16	252 d	0%	194SS	196SS	IIT_N_HANLET[5	4,217 hrs	\$260,750	\$260,750	\$278,886	\$278,886									
4058	196	1.04.01.01.18	IIT(23)	FY16 - MICE Commissioning and Operations (IIT - M&S)	10/1/15	9/30/16	252 d	0%	195SS	197SS	IIT_M&S_TRVL_	0 hrs	\$45,700	\$45,700	\$48,879	\$48,879									
4059	197	1.04.01.01.19	ICL(32)	FY16 - MICE Commissioning and Operations (ICL - Resources)	10/1/15	9/30/16	252 d	0%	196SS	198SS	ICL_N_LAGRAN	502 hrs	\$41,700	\$41,700	\$44,600	\$44,600									
4060	198	1.04.01.01.20	UCR(27)	FY16 - MICE Commissioning and Operations (UCR - Resources)	10/1/15	9/30/16	252 d	0%	197SS	224	UCR_N_BAO[20	402 hrs	\$21,610	\$21,610	\$23,113	\$23,113									
4061	199	1.04.01.01.21	FNAL(01)	FY17 - MICE Commissioning and Operations (FNAL - Labor)	10/3/16	9/29/17	250 d	0%	30FS-14 d	200SS	FNAL_N_ADEY[5	2,610 hrs	\$0	\$294,521	\$320,881	\$320,881									
4062	200	1.04.01.01.22	FNAL(01)	FY17 - MICE Commissioning and Operations (FNAL - M&S)	10/3/16	9/29/17	250 d	0%	199SS	201SS	FN_M&S_TRVL_	0 hrs	\$13,400	\$13,40											





UID	ID	WBS	Resp Instt Name/Code	Name	Start	Finish	Duration	% Complete	Predecessors	Successors	Resource Names	Work	Fixed Cost	Cost	BaseEstCost Escalated	TPC (+Contingency) (All Institutions)	2015 2016 2017 20						
																	H1	H2	H1	H2	H1	H2	H1
4269	376	1.05.02.01.05.04.04	LBNL(05)	RF Module#2 Installation & Commissioning at RAL (LBNL - M&S)	6/8/16	5/8/17	230 d	0%	375SS	379,377	LBNL_M&S_FY1	0 hrs	\$12,880	\$12,880	\$13,541	\$17,604							
4280	377	1.05.02.01.05.04.05	FNAL(01)	(RISK)-(R2) - RF Modules #1 and 2 Installation and Commissioning Risk	5/8/17	5/8/17	0 d	0%	375,376	378,379		0 hrs	\$0	\$0	\$0	\$0							
4281	378	1.05.02.01.05.04.06	FNAL(01)	(RISK)-(R2) - RF Modules #1 and 2 Installation and Commissioning Risk - Possible	5/9/17	8/30/17	80 d	0%	377		FN_M&S_MITIG	0 hrs	\$128,500	\$128,500	\$167,959	\$167,959							
1733	379	1.05.02.01.05.04.07	LBNL(05)	L4 - [US Commissioning Complete(UK)] - RF Module#1 & RF Module#2 Installa	5/8/17	5/8/17	0 d	0%	373,374,375,376,377	610		0 hrs	\$0	\$0	\$0	\$0							
1489	380	1.05.03		MICE Magnet Design, Fabrication and Testing	1/5/15	12/16/15	242 d	99%				576 hrs	\$0	\$129,702	\$132,343	\$182,372							
1490	381	1.05.03.01		MICE Magnet Systems	1/5/15	12/16/15	242 d	99%				576 hrs	\$0	\$129,702	\$132,343	\$182,372							
1534	382	1.05.03.01.01		Spectrometer Solenoid Delivery, Installation, Commissioning	4/3/15	12/16/15	179 d	99%				576 hrs	\$0	\$129,702	\$132,343	\$182,372							
1545	383	1.05.03.01.01.01		SS#1 and SS#2 Installation and Commissioning	4/3/15	12/16/15	179 d	99%				576 hrs	\$0	\$129,702	\$132,343	\$182,372							
1546	384	1.05.03.01.01.01.01	LBNL(05)	SS#1 & SS#2 US Support for Spectrometer Solenoids Installation & Cooldown (LBN	4/3/15	5/29/15	40 d	100%	475	385SS,386SS,388	LBNL_MECH_EM	160 hrs	\$35,820	\$35,820	\$36,501	\$51,101							
1547	385	1.05.03.01.01.01.02	LBNL(05)	SS#1 & SS#2 US Support for Spectrometer Solenoids Installation & Cooldown (LBN	4/3/15	5/29/15	40 d	100%	384SS	388	LBNL_M&S_FY1	0 hrs	\$14,275	\$14,275	\$14,546	\$18,910							
4275	386	1.05.03.01.01.01.03	FNAL(01)	Support for Spectrometer Solenoids Installation & Cooldown (FNAL - Labor)	4/3/15	6/16/15	52 d	100%	384SS	387SS,388	FNTD_ELEC_DE	124 hrs	\$0	\$14,756	\$15,125	\$21,175							
4276	387	1.05.03.01.01.01.04	FNAL(01)	Support for Spectrometer Solenoids Installation & Cooldown (FNAL - M&S)	4/3/15	6/16/15	52 d	100%	386SS	388		0 hrs	\$0	\$0	\$0	\$0							
4272	388	1.05.03.01.01.01.05	LBNL(05)	L4 - [Ready] - SS#1 & SS#2 Spectrometer Solenoids Ready for Commissioning	7/6/15	7/6/15	0 d	100%	387,386,384,385	389FS+34 d		0 hrs	\$0	\$0	\$0	\$0							
4273	389	1.05.03.01.01.01.06	LBNL(05)	L4 - [Required] - SS#1 & SS#2 Spectrometer Solenoids Ready for Commissioning	8/21/15	8/21/15	0 d	100%	388FS+34 d	396,390,588		0 hrs	\$0	\$0	\$0	\$0							
3744	390	1.05.03.01.01.01.07	LBNL(05)	SS#1 & SS#2 US Support for Spectrometer Solenoids Commissioning (LBNL - Resc	8/24/15	9/22/15	21 d	100%	389	391SS,394,392SS	LBNL_MECH_EM	168 hrs	\$35,820	\$35,820	\$36,501	\$51,101							
3745	391	1.05.03.01.01.01.08	LBNL(05)	SS#1 & SS#2 US Support for Spectrometer Solenoids Commissioning (LBNL - M&S	8/24/15	9/22/15	21 d	100%	390SS	394	LBNL_M&S_FY1	0 hrs	\$14,275	\$14,275	\$14,546	\$18,910							
4026	392	1.05.03.01.01.01.09	FNAL(01)	Support for Spectrometer Solenoids Commissioning (FNAL - Labor)	8/24/15	9/22/15	21 d	100%	390SS	393SS,394	FNTD_ELEC_DE	124 hrs	\$0	\$14,756	\$15,125	\$21,175							
4027	393	1.05.03.01.01.01.10	FNAL(01)	Support for Spectrometer Solenoids Commissioning (FNAL - M&S)	8/24/15	9/22/15	21 d	100%	392SS	394		0 hrs	\$0	\$0	\$0	\$0							
4195	394	1.05.03.01.01.01.11	LBNL(05)	L4 - [Ready] - SS#1 & SS#2 Spectrometer Solenoids Ready for Operations	9/22/15	9/22/15	0 d	100%	391,393,392,390	395FS+7 d		0 hrs	\$0	\$0	\$0	\$0							
4196	395	1.05.03.01.01.01.12	LBNL(05)	L4 - [Required] - SS#1 & SS#2 Spectrometer Solenoids Ready for Operations	12/16/15	12/16/15	0 d	0%	394FS+7 d,589	397		0 hrs	\$0	\$0	\$0	\$0							
4274	396	1.05.03.01.01.02	LBNL(05)	L4 - [US Commission Start] - SS#1 & SS#2 Spectrometer Solenoids Ready for Cor	8/21/15	8/21/15	0 d	100%	389	397		0 hrs	\$0	\$0	\$0	\$0							
1548	397	1.05.03.01.01.03	LBNL(05)	L4 - [US Commission Complete] - SS#1 & SS#2 Spectrometer Solenoids Ready for	12/16/15	12/16/15	0 d	0%	395,396	610,570		0 hrs	\$0	\$0	\$0	\$0							
1552	398	1.05.03.01.02		CC Cold Mass Preparation	1/5/15	3/23/15	55 d	100%				0 hrs	\$0	\$0	\$0	\$0							
3888	399	1.05.03.01.02.01		Cold Mass #2 Shipping from China to LBNL	1/5/15	3/23/15	55 d	100%				0 hrs	\$0	\$0	\$0	\$0							
3889	400	1.05.03.01.02.01.01	LBNL(05)	Cold Mass #2 Shipping from China to LBNL (LBNL - Resources)	1/5/15	2/9/15	25 d	100%	28FS+47 d	401SS		0 hrs	\$0	\$0	\$0	\$0							
3890	401	1.05.03.01.02.01.02	LBNL(05)	Cold Mass #2 Shipping from China to LBNL (LBNL - M&S)	1/5/15	2/9/15	25 d	100%	400SS	402		0 hrs	\$0	\$0	\$0	\$0							
4138	402	1.05.03.01.02.01.03	LBNL(05)	L4 - [Ready] - Cold Mass #2 Arrives at LBNL (Removed L4 Milestone info so it does	2/9/15	2/9/15	0 d	100%	401	403FS+30 d		0 hrs	\$0	\$0	\$0	\$0							
3891	403	1.05.03.01.02.01.04	LBNL(05)	L4 - [Required] - Cold Mass #2 Arrives at LBNL (Removed L4 Milestone info so it do	3/23/15	3/23/15	0 d	100%	402FS+30 d	610		0 hrs	\$0	\$0	\$0	\$0							
1763	404	1.05.04		MICE Magnetic Shielding	1/6/14	9/29/17	941 d	60%				5,019 hrs	\$0	\$1,876,137	\$2,078,525	\$2,360,562							
2148	405	1.05.04.01		MICE Magnetic Shielding - Roll-Up	1/6/14	9/29/17	941 d	60%				5,019 hrs	\$0	\$1,876,137	\$2,078,525	\$2,360,562							
1764	406	1.05.04.01.01		MICE Step IV Shielding	1/6/14	5/29/15	353 d	100%				394 hrs	\$0	\$789,867	\$868,455	\$915,032							
1777	407	1.05.04.01.01.01		MICE Step IV Magnetic Shielding Fabricate (FRAMEs & WALLs)	1/6/14	5/27/15	351 d	100%				250 hrs	\$0	\$616,241	\$662,053	\$674,549							
3788	408	1.05.04.01.01.01.01	BNL(03)	MICE Step IV Magnetic Shielding FRAME Material Bid and Contract (BNL - M&S)	1/6/14	7/2/14	126 d	100%	28FS-203 d	423FS+6 d,410SS	BNL_M&S_FY14	0 hrs	\$300,000	\$300,000	\$300,000	\$300,000							
4244	409	1.05.04.01.01.01.02	BNL(03)	MICE Step IV Magnetic Shielding FRAME Material Bid and Contract (Additional Fab	3/2/15	3/6/15	5 d	100%	28FS+86 d	458	BNL_M&S_FY14	0 hrs	\$93,200	\$93,200	\$94,971	\$94,971							
3789	410	1.05.04.01.01.01.03	FNAL(01)	MICE Step IV Magnetic Shielding WALL Material Bid and Contract (FNAL - M&S)	1/6/14	5/19/14	95 d	100%	408SS	424,426,411SS	FN_M&S_STND	0 hrs	\$153,000	\$153,000	\$189,001	\$189,001							
4245	411	1.05.04.01.01.01.04	FNAL(01)	MICE Step IV Magnetic Shielding WALL Material Shipping Long Beach to Tonawand	3/18/15	3/31/15	10 d	100%	410SS,28FS+98 d	610	FN_M&S_STND	0 hrs	\$28,941	\$28,941	\$36,430	\$36,430							
1785	412	1.05.04.01.01.01.05	BNL(03)	MICE Step IV Magnetic Shielding Procurement and Fabrication - SOUTH FRAME (E	7/3/14	9/10/14	48 d	100%	28FS-77 d	413SS,416,414		0 hrs	\$0	\$0	\$0	\$0							
1786	413	1.05.04.01.01.01.06	BNL(03)	MICE Step IV Magnetic Shielding Procurement and Fabrication - SOUTH FRAME (E	7/3/14	9/10/14	48 d	100%	412SS	416		0 hrs	\$0	\$0	\$0	\$0							
3762	414	1.05.04.01.01.01.07	BNL(03)	MICE Step IV Magnetic Shielding Procurement and Fabrication - NORTH FRAME (E	9/11/14	10/16/14	26 d	100%	412	415SS,418		0 hrs	\$0	\$0	\$0	\$0							
3763	415	1.05.04.01.01.01.08	BNL(03)	MICE Step IV Magnetic Shielding Procurement and Fabrication - NORTH FRAME (E	9/11/14	10/16/14	26 d	100%	414SS	418		0 hrs	\$0	\$0	\$0	\$0							
3776	416	1.05.04.01.01.01.09	BNL(03)	L4 - [Ready] - MICE Step IV Magnetic Shielding Procurement and Fabrication - SOU	9/10/14	9/10/14	0 d	100%	412,413	417		0 hrs	\$0	\$0	\$0	\$0							
3777	417	1.05.04.01.01.01.10	BNL(03)	L4 - [Required] - MICE Step IV Magnetic Shielding Procurement and Fabrication - S	9/10/14	9/10/14	0 d	100%	416			0 hrs	\$0	\$0	\$0	\$0							
3780	418	1.05.04.01.01.01.11	BNL(03)	L4 - [Ready] - MICE Step IV Magnetic Shielding Procurement and Fabrication - NOF	10/16/14	10/16/14	0 d	100%	414,415	419FS+14 d		0 hrs	\$0	\$0	\$0	\$0							
3781	419	1.05.04.01.01.01.12	BNL(03)	L4 - [Required] - MICE Step IV Magnetic Shielding Procurement and Fabrication - N	11/5/14	11/5/14	0 d	100%	418FS+14 d	420FS+36 d		0 hrs	\$0	\$0	\$0	\$0							
4186	420	1.05.04.01.01.01.13	BNL(03)	MICE Step IV Magnetic Shielding North & South Frame Fit-up and Survey (BNL - Re	1/5/15	1/16/15	10 d	100%	419FS+36 d	421		0 hrs	\$0	\$0	\$0	\$0							
4187	421	1.05.04.01.01.01.14	BNL(03)	L4 - [Ready] -MICE Step IV Magnetic Shielding North & South Frame Fit-up and Sur	1/16/15	1/16/15	0 d	100%	420	422FS+4 d		0 hrs	\$0	\$0	\$0	\$0							
4188	422	1.05.04.01.01.01.15	BNL(03)	L4 - [Required] - MICE Step IV Magnetic Shielding North & South Frame Fit-up and	1/23/15	1/23/15	0 d	100%	421FS+4 d	421		0 hrs	\$0	\$0	\$0	\$0							
3930	423	1.05.04.01.01.01.16	BNL(03)	MICE MICE Step IV Magnetic Shielding Fabrication Engineering Oversight (BNL - R	7/14/14	4/8/15	185 d	100%	408FS+6 d	467	BNL_N_PLATEI2	250 hrs	\$41,100	\$41,100	\$41,651	\$54,147							
3803	424	1.05.04.01.01.01.17	FNAL(01)	MICE MICE Step IV Magnetic Shielding RAW Material Procurement - SOUTH WALL	5/20/14	12/19/14	149 d	100%	410	425SS,432,441		0 hrs	\$0	\$0	\$0	\$0							
1779	425	1.05.04.01.01.01.18	FNAL(01)	MICE Step IV Magnetic Shielding RAW Material Procurement - SOUTH WALL (FNA	5/20/14	12/19/14	149 d	100%	424SS	428,432,441		0 hrs	\$0	\$0	\$0	\$0							
3738	426	1.05.04.01.01.01.19	FNAL(01)	MICE Step IV Magnetic Shielding RAW Material Procurement - NORTH WALL (FNA	5/20/14	12/19/14	149 d	100%	410	427SS,430		0 hrs	\$0	\$0	\$0	\$0							
3739	427	1.05.04.01.01.01.20	FNAL(01)	MICE Step IV Magnetic Shielding RAW Material Procurement - NORTH WALL (FNA	5/20/14	12/19/14	149 d	100%	426SS	430		0 hrs	\$0	\$0	\$0	\$0							
3778	428	1.05.04.01.01.01.21	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding RAW Material Procurement - SOUT	12/19/14	12/19/14	0 d																

UID	ID	WBS	Resp Instt Name/Code	Name	Start	Finish	Duration	% Complete	Predecessors	Successors	Resource Names	Work	Fixed Cost	Cost	BaseEstCost Escalated	TPC (+Contingency) (All Institutions)	Timeline						
																	2015	2016	2017	20	H1	H2	H1
3742	451	1.05.04.01.01.02.01	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FRAME (FNAL - Labor)	1/26/15	2/12/15	14 d	100%	422	452SS,453		0 hrs	\$0	\$0	\$0	\$0							
3743	452	1.05.04.01.01.02.02	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FRAME (FNAL - M&S)(S	1/26/15	2/12/15	14 d	100%	451SS	453,483	FN_M&S_STND	0 hrs	\$10,631	\$10,631	\$13,382	\$13,382							
3796	453	1.05.04.01.01.02.03	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FRAME - C	2/12/15	2/12/15	0 d	100%	451,452	454		0 hrs	\$0	\$0	\$0	\$0							
3797	454	1.05.04.01.01.02.04	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FRAME	2/12/15	2/12/15	0 d	100%	453	469,467		0 hrs	\$0	\$0	\$0	\$0							
1781	455	1.05.04.01.01.02.05	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH WALL (FNAL - Labor)	3/6/15	3/24/15	13 d	100%	435,439	456SS,457		0 hrs	\$0	\$0	\$0	\$0							
1782	456	1.05.04.01.01.02.06	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH WALL (FNAL - M&S)(Shi	3/6/15	3/24/15	13 d	100%	455SS	457	FN_M&S_STND	0 hrs	\$61,120	\$61,120	\$76,936	\$76,936							
3808	457	1.05.04.01.01.02.07	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH WALL - Cc	3/24/15	3/24/15	0 d	100%	455,456	458,471FS+3 d		0 hrs	\$0	\$0	\$0	\$0							
3809	458	1.05.04.01.01.02.08	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH WALL -	3/24/15	3/24/15	0 d	100%	457,409	471FS+3 d,467		0 hrs	\$0	\$0	\$0	\$0							
3764	459	1.05.04.01.01.02.09	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH FRAME (FNAL - Labor)	4/1/15	4/30/15	22 d	100%	447,448	460SS,465,461		0 hrs	\$0	\$0	\$0	\$0							
3765	460	1.05.04.01.01.02.10	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH FRAME (FNAL - M&S)(S	4/1/15	4/30/15	22 d	100%	459SS	465,461	FN_M&S_STND	0 hrs	\$10,250	\$10,250	\$12,902	\$12,902							
3817	461	1.05.04.01.01.02.11	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH FRAME - C	4/30/15	4/30/15	0 d	100%	460,459	462		0 hrs	\$0	\$0	\$0	\$0							
3818	462	1.05.04.01.01.02.12	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH FRAME	4/30/15	4/30/15	0 d	100%	461	476FS+11 d,467		0 hrs	\$0	\$0	\$0	\$0							
3740	463	1.05.04.01.01.02.13	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH WALL (FNAL - Labor)	4/1/15	4/30/15	22 d	100%	447,444,448	464SS,465		0 hrs	\$0	\$0	\$0	\$0							
3741	464	1.05.04.01.01.02.14	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH WALL (FNAL - M&S)(Shi	4/1/15	4/30/15	22 d	100%	463SS	465FS+1 d	FN_M&S_STND	0 hrs	\$40,935	\$40,935	\$51,528	\$66,986							
3810	465	1.05.04.01.01.02.15	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH WALL - Cc	5/1/15	5/1/15	0 d	100%	459,463,460,464FS+1	466		0 hrs	\$0	\$0	\$0	\$0							
3811	466	1.05.04.01.01.02.16	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH WALL -	5/1/15	5/1/15	0 d	100%	465	478,467		0 hrs	\$0	\$0	\$0	\$0							
1783	467	1.05.04.01.01.02.17	FNAL(01)	L4 - [US Deliverable] - MICE Step IV Magnetic Shielding Full Delivery Complete in U	5/1/15	5/1/15	0 d	100%	423,454,458,462,466	592		0 hrs	\$0	\$0	\$0	\$0							
1784	468	1.05.04.01.01.03		<b>MICE Step IV Magnetic Shielding Installation at RAL</b>	<b>2/13/15</b>	<b>5/29/15</b>	<b>75 d</b>	<b>100%</b>				<b>144 hrs</b>	<b>\$0</b>	<b>\$50,690</b>	<b>\$51,653</b>	<b>\$70,276</b>							
3754	469	1.05.04.01.01.03.01	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH FRAME (BNL - Reso	2/13/15	2/20/15	6 d	100%	454	470SS,471		0 hrs	\$0	\$0	\$0	\$0							
3755	470	1.05.04.01.01.03.02	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH FRAME (BNL - M&S)	2/13/15	2/20/15	6 d	100%	469SS	471		0 hrs	\$0	\$0	\$0	\$0							
3760	471	1.05.04.01.01.03.03	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH WALL (BNL - Resour	3/30/15	4/2/15	4 d	100%	469,470,457FS+3 d,45	472SS	BNL_N_WITTE,E	104 hrs	\$16,440	\$16,440	\$16,752	\$23,453							
3761	472	1.05.04.01.01.03.04	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH WALL (BNL - M&S)	3/30/15	4/2/15	4 d	100%	471SS	473	BNL_M&S_FY14	0 hrs	\$10,000	\$10,000	\$10,190	\$13,247							
4236	473	1.05.04.01.01.03.05	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Installation at RAL - SOUTH PRY -	4/2/15	4/2/15	0 d	100%	472	474		0 hrs	\$0	\$0	\$0	\$0							
4237	474	1.05.04.01.01.03.06	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Installation at RAL - SOUTH PR	4/2/15	4/2/15	0 d	100%	473	475		0 hrs	\$0	\$0	\$0	\$0							
3813	475	1.05.04.01.01.03.07	BNL(03)	L4 - [US Installation Complete(UK)] - MICE Step IV Magnetic Shielding Installati	4/2/15	4/2/15	0 d	100%	474	476,477,384		0 hrs	\$0	\$0	\$0	\$0							
3766	476	1.05.04.01.01.03.08	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH FRAME (BNL - Reso	5/18/15	5/21/15	4 d	100%	475,462FS+11 d	477SS,478		0 hrs	\$0	\$0	\$0	\$0							
3767	477	1.05.04.01.01.03.09	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH FRAME (BNL - M&S)	5/18/15	5/21/15	4 d	100%	476SS,475	478		0 hrs	\$0	\$0	\$0	\$0							
3772	478	1.05.04.01.01.03.10	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH WALL (BNL - Resour	5/22/15	5/26/15	2 d	100%	476,477,466	479SS	BNL_N_WITTE,E	40 hrs	\$14,250	\$14,250	\$14,521	\$20,329							
3773	479	1.05.04.01.01.03.11	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH WALL (BNL - M&S)	5/22/15	5/29/15	5 d	100%	478SS	480	BNL_M&S_FY14	0 hrs	\$10,000	\$10,000	\$10,190	\$13,247							
4238	480	1.05.04.01.01.03.12	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Installation at RAL - NORTH PRY -	5/29/15	5/29/15	0 d	100%	479	481		0 hrs	\$0	\$0	\$0	\$0							
4239	481	1.05.04.01.01.03.13	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Installation at RAL - NORTH PR	5/29/15	5/29/15	0 d	100%	480	482		0 hrs	\$0	\$0	\$0	\$0							
4241	482	1.05.04.01.01.03.14	BNL(03)	L4 - [US Installation Complete(UK)] - MICE Step IV Magnetic Shielding Installati	5/29/15	5/29/15	0 d	100%	481	485		0 hrs	\$0	\$0	\$0	\$0							
1871	483	1.05.04.01.01.03.15	FNAL(01)	MICE-US Shielding MICE Step IV Component Integration (FNAL - Labor)	2/13/15	5/29/15	75 d	100%	452	484SS		0 hrs	\$0	\$0	\$0	\$0							
1872	484	1.05.04.01.01.03.16	FNAL(01)	MICE-US Shielding MICE Step IV Component Integration (FNAL - M&S)	2/13/15	5/29/15	75 d	100%	483SS	597,598		0 hrs	\$0	\$0	\$0	\$0							
4140	485	1.05.04.01.01.04	BNL(03)	L4 - [US Installation Complete(UK)] - MICE Step IV Magnetic Shielding Installation at R	5/29/15	5/29/15	0 d	100%	482	611,592FF		0 hrs	\$0	\$0	\$0	\$0							
1788	486	1.05.04.01.02		<b>MICE Cooling Demonstration Shielding</b>	<b>6/2/14</b>	<b>9/18/17</b>	<b>829 d</b>	<b>43%</b>				<b>2,275 hrs</b>	<b>\$0</b>	<b>\$768,050</b>	<b>\$882,295</b>	<b>\$986,644</b>							
1789	487	1.05.04.01.02.01		<b>MICE Cooling Demonstration Magnetic Shielding Conceptual Design Stu</b>	<b>6/2/14</b>	<b>10/28/14</b>	<b>105 d</b>	<b>100%</b>				<b>800 hrs</b>	<b>\$0</b>	<b>\$131,000</b>	<b>\$131,470</b>	<b>\$184,058</b>							
1790	488	1.05.04.01.02.01.01	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Conceptual Design Studies (BNL -	6/2/14	10/28/14	105 d	100%	28FS-100 d	489SS,523,490	BNL_N_WITTE,E	800 hrs	\$131,000	\$131,000	\$131,470	\$184,058							
1791	489	1.05.04.01.02.01.02	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Conceptual Design Studies (BNL -	6/2/14	10/28/14	105 d	100%	488SS	490		0 hrs	\$0	\$0	\$0	\$0							
3847	490	1.05.04.01.02.01.03	BNL(03)	L4 - [Ready] - MICE Cooling Demonstration Magnetic Shielding Conceptual Design	10/28/14	10/28/14	0 d	100%	488,489	491		0 hrs	\$0	\$0	\$0	\$0							
3848	491	1.05.04.01.02.01.04	BNL(03)	L4 - [Required] - MICE Cooling Demonstration Magnetic Shielding Conceptual Desig	10/28/14	10/28/14	0 d	100%	490	493		0 hrs	\$0	\$0	\$0	\$0							
1795	492	1.05.04.01.02.02		<b>MICE Cooling Demonstration Magnetic Shielding Detailed Engineering</b>	<b>10/29/14</b>	<b>6/24/15</b>	<b>163 d</b>	<b>100%</b>				<b>455 hrs</b>	<b>\$0</b>	<b>\$182,300</b>	<b>\$185,764</b>	<b>\$185,764</b>							
1796	493	1.05.04.01.02.02.01	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Detailed Engineering (BNL - Reso	10/29/14	6/17/15	158 d	100%	491	494SS,523,495	BNL_N_PLATE[3	455 hrs	\$146,500	\$146,500	\$149,284	\$149,284							
1797	494	1.05.04.01.02.02.02	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Detailed Engineering (BNL - M&S)	10/29/14	6/17/15	158 d	100%	493SS	495	BNL_M&S_FY14	0 hrs	\$35,800	\$35,800	\$36,480	\$36,480							
3849	495	1.05.04.01.02.02.03	BNL(03)	L4 - [Ready] - MICE Cooling Demonstration Magnetic Shielding Detailed Engineeri	6/17/15	6/17/15	0 d	100%	493,494	496		0 hrs	\$0	\$0	\$0	\$0							
3850	496	1.05.04.01.02.02.04	BNL(03)	L4 - [Required] - MICE Cooling Demonstration Magnetic Shielding Detailed Enginee	6/17/15	6/17/15	0 d	100%	495	497FS+5 d,498		0 hrs	\$0	\$0	\$0	\$0							
4158	497	1.05.04.01.02.02.05	BNL(03)	L4 - [Review] - MICE Cooling Demonstration Magnetic Shielding 1 Week Review Wi	6/24/15	6/24/15	0 d	100%	496FS+5 d	498		0 hrs	\$0	\$0	\$0	\$0							
1799	498	1.05.04.01.02.02.06	BNL(03)	(RISK)-(R3) - MICE Cooling Demonstration Magnetic Shielding 1 Week Review Win	6/24/15	6/24/15	0 d	100%	496,497	499,505FS-13 d		0 hrs	\$0	\$0	\$0	\$0							
1800	499	1.05.04.01.02.02.07	FNAL(01)	(RISK)-(R3) - MICE Cooling Demonstration Magnetic Shielding 1 Week Review Win	6/24/15	6/24/15	0 d	100%	498			0 hrs	\$0	\$0	\$0	\$0							
1801	500	1.05.04.01.02.03		<b>MICE Cooling Demonstration Magnetic Shielding Fabricate Parts</b>	<b>1/8/15</b>	<b>9/18/17</b>	<b>679 d</b>	<b>29%</b>				<b>560 hrs</b>	<b>\$0</b>	<b>\$392,950</b>	<b>\$490,818</b>	<b>\$518,026</b>							
3856	501	1.05.04.01.02.03.01	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding WALL Material Contract (FNAL - M	1/8/15	3/3/15	38 d	100%	238	502,508		0 hrs	\$0	\$0	\$0	\$0							
4169	502	1.05.04.01.02.03.02	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding WALL Procurement (FNAL - M&S)	3/4/15	7/10/15	91 d	100%	501	508FS-30 d,503	FN_M&S_STND	0 hrs	\$83,000	\$83,000	\$104,478	\$104,478							
4248	503	1.05.04.01.02.03.03	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding WALL Material Shipping from Phili	7/13/15	7/24/15	10 d	100%	502	508FS-30 d,504FS+1	FN_M&S_STND	0 hrs	\$4,250	\$4,250	\$5,350	\$5,350							
4277	504	1.05.04.01.02.03.04	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding WALL Material Shipping from Corr	10/19/15	10/30/15	10 d	0%	503FS+59 d	508,506SS,507SS	FN_M&S_STND	0 hrs	\$3,780	\$3,780	\$4,849	\$6,303							
3855	505	1.05.04.01.02.03.05	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding Contract for FRAME and WALL Fa	6/8/15	9/29/15	80 d	100%	498FS-13 d	508		0 hrs	\$0	\$0	\$0	\$0							
4278	506	1.05.04.01.02.03.06	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Revise Drawings for FRAME and W	10/19/15	10/30/15	10 d	0%	504SS	508	BNL_N_PLATE,E	80 hrs	\$12,375	\$12,375	\$12,850	\$16,705							
4279	507	1.05.04.01.02.03.07	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding Revise Drawings Change Order fo	10/19/15	10/30/15	10 d	0%	504SS	508	FN_M&S_STND	0 hrs	\$15,350	\$15,350	\$19,690	\$25,597							
4170	508	1.05.04.01.02.03.																					

UID	ID	WBS	Resp Instt Name/Code	Name	Start	Finish	Duration	% Complete	Predecessors	Successors	Resource Names	Work	Fixed Cost	Cost	BaseEstCost Escalated	TPC (+Contingency) (All Institutions)	2015 2016 2017 20						
																	H1	H2	H1	H2	H1	H2	H1
2142	526	1.05.04.01.03.02	BNL(03)	FY15 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M&S)	10/1/14	9/30/15	251 d	100%	525SS	610		0 hrs	\$0	\$0	\$0	\$0							
2143	527	1.05.04.01.03.03	BNL(03)	FY16 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - Resou	10/1/15	9/30/16	252 d	0%	29FS-14 d	528SS	BNL_N_WITTE 2	504 hrs	\$60,000	\$60,000	\$62,304	\$87,226							
2144	528	1.05.04.01.03.04	BNL(03)	FY16 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M&S)	10/1/15	9/30/16	252 d	0%	527SS	610		0 hrs	\$0	\$0	\$0	\$0							
2185	529	1.05.04.01.03.05	BNL(03)	FY17 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - Resou	10/3/16	9/29/17	250 d	0%	30FS-14 d	530SS	BNL_N_WITTE 2	502 hrs	\$60,000	\$60,000	\$63,486	\$88,880							
2186	530	1.05.04.01.03.06	BNL(03)	FY17 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M&S)	10/3/16	9/29/17	250 d	0%	529SS	610		0 hrs	\$0	\$0	\$0	\$0							
1815	531	1.05.05		<b>MICE Detector Design, Fabrication and Testing and Commissioning</b>	10/3/11	9/29/17	1505 d	37%				240 hrs	\$0	\$58,640	\$66,009	\$89,895							
2146	532	1.05.05.01		<b>MICE Detector Design, Fabrication and Testing - Roll-Up</b>	10/3/11	9/29/17	1505 d	37%				240 hrs	\$0	\$58,640	\$66,009	\$89,895							
1816	533	1.05.05.01.01		<b>MICE Detectors (US Contributions)</b>	10/1/14	9/29/17	753 d	33%				240 hrs	\$0	\$38,640	\$40,834	\$57,167							
1817	534	1.05.05.01.01.01		<b>MICE-US Tracker Detector</b>	10/1/14	9/29/17	753 d	33%				240 hrs	\$0	\$38,640	\$40,834	\$57,167							
1822	535	1.05.05.01.01.01.01	FNAL(01)	FY15 - MICE-US Tracker Detector (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	536SS	FNAL_N_RUBIN	80 hrs	\$0	\$12,880	\$13,202	\$18,483							
1823	536	1.05.05.01.01.01.02	FNAL(01)	FY15 - MICE-US Tracker Detector (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	535SS	610		0 hrs	\$0	\$0	\$0	\$0							
1824	537	1.05.05.01.01.01.03	FNAL(01)	FY16 - MICE-US Tracker Detector (FNAL - Labor)	10/1/15	9/30/16	252 d	0%	29FS-14 d	538SS	FNAL_N_RUBIN	80 hrs	\$0	\$12,880	\$13,599	\$19,038							
1825	538	1.05.05.01.01.01.04	FNAL(01)	FY16 - MICE-US Tracker Detector (FNAL - M&S)	10/1/15	9/30/16	252 d	0%	537SS	610		0 hrs	\$0	\$0	\$0	\$0							
1826	539	1.05.05.01.01.01.05	FNAL(01)	FY17 - MICE-US Tracker Detector (FNAL - Labor)	10/3/16	9/29/17	250 d	0%	30FS-14 d	540SS	FNAL_N_RUBIN	80 hrs	\$0	\$12,880	\$14,033	\$19,646							
1827	540	1.05.05.01.01.01.06	FNAL(01)	FY17 - MICE-US Tracker Detector (FNAL - M&S)	10/3/16	9/29/17	250 d	0%	539SS	610		0 hrs	\$0	\$0	\$0	\$0							
1835	541	1.05.05.01.02		<b>MICE Absorbers (US Contributions) - Roll-Up</b>	10/3/11	5/27/16	1168 d	47%				0 hrs	\$0	\$20,000	\$25,175	\$32,728							
1836	542	1.05.05.01.02.01		<b>MICE-US LiH Disk Fabrication</b>	10/3/11	4/4/12	126 d	100%				0 hrs	\$0	\$0	\$0	\$0							
1837	543	1.05.05.01.02.01.01	FNAL(01)	MICE-US LiH Disk Fabrication (FNAL - Labor)	10/3/11	4/3/12	125 d	100%	25	544SS,545		0 hrs	\$0	\$0	\$0	\$0							
1838	544	1.05.05.01.02.01.02	FNAL(01)	MICE-US LiH Disk Fabrication (FNAL - M&S)	10/3/11	4/3/12	125 d	100%	543SS	545		0 hrs	\$0	\$0	\$0	\$0							
3784	545	1.05.05.01.02.01.03	FNAL(01)	L4 - [Ready] - MICE-US LiH Disk Fabrication - Complete	4/3/12	4/3/12	0 d	100%	543,544	546FS+1 d		0 hrs	\$0	\$0	\$0	\$0							
3785	546	1.05.05.01.02.01.04	FNAL(01)	L4 - [Required] - MICE-US LiH Disk Fabrication	4/4/12	4/4/12	0 d	100%	545FS+1 d	548		0 hrs	\$0	\$0	\$0	\$0							
1839	547	1.05.05.01.02.02		<b>MICE-US LiH Disk Shipping to RAL</b>	8/15/14	11/14/14	64 d	100%				0 hrs	\$0	\$20,000	\$25,175	\$32,728							
4123	548	1.05.05.01.02.02.01	FNAL(01)	L4 - [DOE Approval] - MICE-US LiH Disk Shipping Approval by DOE (L3)	8/15/14	8/15/14	0 d	100%	25,546	549FS+52 d		0 hrs	\$0	\$0	\$0	\$0							
4184	549	1.05.05.01.02.02.02	FNAL(01)	L4 - [Required] - MICE-US LiH Disk Shipping Approval by Y12 - Complete	10/29/14	10/29/14	0 d	100%	548FS+52 d	550FS+3 d		0 hrs	\$0	\$0	\$0	\$0							
1840	550	1.05.05.01.02.02.03	FNAL(01)	MICE-US LiH Disk Shipping to Y12 (FNAL - Labor)	11/4/14	11/5/14	2 d	100%	549FS+3 d	551SS		0 hrs	\$0	\$0	\$0	\$0							
1841	551	1.05.05.01.02.02.04	FNAL(01)	MICE-US LiH Disk Shipping to Y12 (FNAL - M&S)	11/4/14	11/5/14	2 d	100%	550SS	552	FN_M&S_STND_	0 hrs	\$10,000	\$10,000	\$12,588	\$16,364							
4177	552	1.05.05.01.02.02.05	FNAL(01)	L4 - [Ready] - MICE-US LiH Disk Shipping to Y12 - Complete	11/5/14	11/5/14	0 d	100%	551	553		0 hrs	\$0	\$0	\$0	\$0							
4178	553	1.05.05.01.02.02.06	FNAL(01)	L4 - [Required] - MICE-US LiH Disk Shipping to Y12 - Complete	11/5/14	11/5/14	0 d	100%	552	554		0 hrs	\$0	\$0	\$0	\$0							
4180	554	1.05.05.01.02.02.07	FNAL(01)	MICE-US LiH Disk Shipping from Y12 to RAL (FNAL - M&S)	11/6/14	11/7/14	2 d	100%	553	555	FN_M&S_STND_	0 hrs	\$10,000	\$10,000	\$12,588	\$16,364							
4181	555	1.05.05.01.02.02.08	FNAL(01)	L4 - [Ready] - MICE-US LiH Disk Shipping from Y12 to RAL - Complete	11/7/14	11/7/14	0 d	100%	554	556FS+5 d		0 hrs	\$0	\$0	\$0	\$0							
4182	556	1.05.05.01.02.02.09	FNAL(01)	L4 - [Required] - MICE-US LiH Disk Shipping from Y12 to RAL - Complete	11/14/14	11/14/14	0 d	100%	555FS+5 d	557		0 hrs	\$0	\$0	\$0	\$0							
4183	557	1.05.05.01.02.02.10	FNAL(01)	L4 - [US Deliverable] - MICE-US LiH Disk Shipping from Y12 to RAL - Complete (L3)	11/14/14	11/14/14	0 d	100%	556	610		0 hrs	\$0	\$0	\$0	\$0							
1842	558	1.05.05.01.02.03		<b>MICE-US Extra LiH Disk Fabrication</b>	10/1/15	4/29/16	145 d	0%				0 hrs	\$0	\$0	\$0	\$0							
1843	559	1.05.05.01.02.03.01	FNAL(01)	MICE-US Extra LiH Disk Fabrication (FNAL - Labor)	10/1/15	4/1/16	125 d	0%	29FS-14 d	560SS,561		0 hrs	\$0	\$0	\$0	\$0							
1844	560	1.05.05.01.02.03.02	FNAL(01)	MICE-US Extra LiH Disk Fabrication (FNAL - M&S)	10/1/15	4/1/16	125 d	0%	559SS	561		0 hrs	\$0	\$0	\$0	\$0							
3786	561	1.05.05.01.02.03.03	FNAL(01)	L4 - [Ready] - MICE-US Extra LiH Disk Fabrication - Complete (Removed L4 Milesto	4/1/16	4/1/16	0 d	0%	559,560	562FS+20 d		0 hrs	\$0	\$0	\$0	\$0							
3787	562	1.05.05.01.02.03.04	FNAL(01)	L4 - [Required] - MICE-US Extra LiH Disk Fabrication	4/29/16	4/29/16	0 d	0%	561FS+20 d	564		0 hrs	\$0	\$0	\$0	\$0							
1845	563	1.05.05.01.02.04		<b>MICE-US Extra LiH Disk Shipping to RAL</b>	5/2/16	5/27/16	20 d	0%				0 hrs	\$0	\$0	\$0	\$0							
1846	564	1.05.05.01.02.04.01	FNAL(01)	MICE-US Extra LiH Disk Shipping to RAL (FNAL - Labor)	5/2/16	5/27/16	20 d	0%	562	565SS		0 hrs	\$0	\$0	\$0	\$0							
1847	565	1.05.05.01.02.04.02	FNAL(01)	MICE-US Extra LiH Disk Shipping to RAL (FNAL - M&S)	5/2/16	5/27/16	20 d	0%	564SS	610		0 hrs	\$0	\$0	\$0	\$0							
1848	566	1.05.06		<b>MICE US Component Integration</b>	5/9/14	3/30/18	976 d	30%				6,572 hrs	\$0	\$1,210,020	\$1,350,946	\$1,678,654							
4107	567	1.05.06.01		<b>MICE UK Target Dates</b>	7/6/15	3/30/18	686 d	0%				0 hrs	\$0	\$0	\$0	\$0							
4108	568	1.05.06.01.01	RAL(18)	L4 - [UK Construction Complete] - MICE Step IV Construction Complete (L2)	7/6/15	7/6/15	0 d	100%	28FS+175 d	569FS+12 d		0 hrs	\$0	\$0	\$0	\$0							
4110	569	1.05.06.01.02	RAL(18)	L4 - [UK Start Commissioning] - MICE Step IV Commissioning Start (L2)	7/22/15	7/22/15	0 d	100%	568FS+12 d	611		0 hrs	\$0	\$0	\$0	\$0							
4114	570	1.05.06.01.03	RAL(18)	L4 - [UK Commissioning Complete] - MICE Step IV Commissioning Complete (L2)	12/16/15	12/16/15	0 d	0%	28FS+195 d,397	571		0 hrs	\$0	\$0	\$0	\$0							
4111	571	1.05.06.01.04	RAL(18)	L4 - [UK Start Data] - MICE Step IV Data Taking Start (L2)	12/16/15	12/16/15	0 d	0%	570	611		0 hrs	\$0	\$0	\$0	\$0							
4115	572	1.05.06.01.05	RAL(18)	L4 - [UK Data Complete] - MICE Step IV Data Taking Complete (L2)	6/2/16	6/2/16	0 d	0%	26	573		0 hrs	\$0	\$0	\$0	\$0							
4122	573	1.05.06.01.06	RAL(18)	L4 - [UK Start Construction] - MICE Cooling Demonstration Construction Start (L2)	6/2/16	6/2/16	0 d	0%	572	611		0 hrs	\$0	\$0	\$0	\$0							
4116	574	1.05.06.01.07	RAL(18)	L4 - [UK Construction Complete] - MICE Cooling Demonstration Construction Complete (L	3/27/17	3/27/17	0 d	0%	26	575		0 hrs	\$0	\$0	\$0	\$0							
4117	575	1.05.06.01.08	RAL(18)	L4 - [UK Start Commissioning] - MICE Cooling Demonstration Commissioning Start (L2)	3/27/17	3/27/17	0 d	0%	574	611		0 hrs	\$0	\$0	\$0	\$0							
4118	576	1.05.06.01.09	RAL(18)	L4 - [UK Commissioning Complete] - MICE Cooling Demonstration Commissioning Comple	5/3/17	5/3/17	0 d	0%	26	577,597FF		0 hrs	\$0	\$0	\$0	\$0							
4119	577	1.05.06.01.10	RAL(18)	L4 - [UK Start Data] - MICE Cooling Demonstration Data Taking Start (L2)	5/3/17	5/3/17	0 d	0%	576	611		0 hrs	\$0	\$0	\$0	\$0							
4120	578	1.05.06.01.11	RAL(18)	L4 - [UK Data Complete] - MICE Cooling DemonstrationData Taking Complete (L2)	3/30/18	3/30/18	0 d	0%	26	611		0 hrs	\$0	\$0	\$0	\$0							
2145	579	1.05.06.02		<b>MICE US Component Integration - Roll-Up</b>	5/9/14	10/12/17	862 d	30%				6,572 hrs	\$0	\$1,210,020	\$1,350,946	\$1,678,654							
1849	580	1.05.06.02.01		<b>MICE-US RF Component Integration</b>	10/3/16	6/21/17	180 d	0%				0 hrs	\$0	\$90,600	\$118,421	\$118,421							
1853	581	1.05.06.02.01.01	FNAL(01)	MICE-US RF Module#1 & RF Module#2 Component Integration (FNAL - Labor)	10/3/16	2/28/17	100 d	0%	371FS+60 d,30FS-14 d	582SS,583		0 hrs	\$0	\$0	\$0	\$0							
1854	582	1.05.06.02.01.02	FNAL(01)	MICE-US RF Module#1 & RF Module#2 Component Integration (FNAL - M&S)	10/3/16	2/28/17	100 d	0%	581SS	583		0 hrs	\$0	\$0	\$0	\$0							
1855	583	1.05.06.02.01.03	FNAL(01)	(RISK)-(R2) - RF Module#1 & RF Module#2 Component Integration	2/28/17	2/28/17	0 d	0%	581,582	584		0 hrs	\$0	\$0	\$0	\$0							
2207	584	1.05.06.02.01.04	FNAL(01)	(RISK)-(R2) - RF Module#1 & RF Module#2 Component Integration - Possible Costs for	3/1/17	6/21/17	80 d	0%	583		FN_M&S_MITIG/	0 hrs	\$90,600	\$90,600	\$118,421	\$118,421							
1858	585	1.05.06.02.02		<b>MICE-US SS Component Integration</b>	5/9/14	12/16/15	404 d	0%				0 hrs	\$0	\$254,300	\$262,433	\$262,433							
1859	586	1.05.06.02.02.01	LBNL(05)	MICE-US SS#1 & SS#2 Component Integration (FNAL - Labor)	5/9/14	8/3/15	310 d	0%	27FS+150 d	587SS,610,588		0 hrs	\$0	\$0	\$0	\$0							
1860	587	1.05.06.02.02.02	LBNL(05)	MICE-US SS#1 & SS#2 Component Integration (FNAL - M&S)	5/9/14	8/3/15	310 d	0%	586SS	610,588		0 hrs	\$0	\$0									



UID	ID	WBS	Resp Instit Name/Code	Name	Start	Finish	Duration	% Complete	Predecessors	Successors	Resource Names	Work	Fixed Cost	Cost	BaseEstCost Escalated	TPC (+Contingency) (All Institutions)	Timeline						
																	2015 H1	2015 H2	2016 H1	2016 H2	2017 H1	2017 H2	2018 H1
1881	601	1.05.06.02.05		<b>MICE-US Component Integration (Cost for Coordination &amp; Oversight for ab</b>	10/1/14	9/29/17	753 d	50%				6,572 hrs	\$0	\$856,520	\$958,829	\$1,286,537							
1886	602	1.05.06.02.05.01	FNAL(01)	FY15 Cost - MICE-US Component Integration (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	603SS	FNAL_N_FEHER	502 hrs	\$0	\$75,300	\$77,183	\$108,056							
1887	603	1.05.06.02.05.02	FNAL(01)	FY15 Cost - MICE-US Component Integration (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	602SS	610,604SS	FN_M&S_STND	0 hrs	\$71,710	\$71,710	\$90,267	\$117,346							
4048	604	1.05.06.02.05.03	IIT(23)	FY15 Cost - MICE-US Component Integration (IIT - Resources)	10/1/14	9/30/15	251 d	100%	603SS	605SS	IIT_N_HANLET	1,004 hrs	\$67,230	\$67,230	\$70,563	\$70,563							
4049	605	1.05.06.02.05.04	IIT(23)	FY15 Cost - MICE-US Component Integration (IIT - M&S)	10/1/14	9/30/15	251 d	100%	604SS	610		0 hrs	\$0	\$0	\$0	\$0							
1888	606	1.05.06.02.05.05	FNAL(01)	FY16 Cost - MICE-US Component Integration (FNAL - Labor)	10/1/15	9/30/16	252 d	0%	29FS-14 d	607SS	FNAL_POSTDO	2,533 hrs	\$0	\$249,430	\$263,348	\$368,688							
1889	607	1.05.06.02.05.06	FNAL(01)	FY16 Cost - MICE-US Component Integration (FNAL - M&S)	10/1/15	9/30/16	252 d	0%	606SS	610	FN_M&S_STND	0 hrs	\$71,710	\$71,710	\$91,985	\$119,581							
1890	608	1.05.06.02.05.07	FNAL(01)	FY17 Cost - MICE-US Component Integration (FNAL - Labor)	10/3/16	9/29/17	250 d	0%	30FS-14 d	609SS	FNAL_POSTDO	2,533 hrs	\$0	\$249,430	\$271,754	\$380,456							
1891	609	1.05.06.02.05.08	FNAL(01)	FY17 Cost - MICE-US Component Integration (FNAL - M&S)	10/3/16	9/29/17	250 d	0%	608SS	610	FN_M&S_STND	0 hrs	\$71,710	\$71,710	\$93,730	\$121,849							
2261	610	1.05.07	FNAL(01)	L4 - [End WBS5] - End of MAP/MICE (L1)	9/29/17	9/29/17	0 d	0%	523,565,586,587,243,31			0 hrs	\$0	\$0	\$0	\$0							
4106	611	1.05.08	FNAL(01)	L4 - [UK - End WBS5] - End of UK Effort (L1)	3/30/18	3/30/18	0 d	0%	569,571,573,575,577,31			0 hrs	\$0	\$0	\$0	\$0							