

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 H1	2015 H2	2016 H1	2016 H2	2017 H1	2017 H2	2018 H1	2018 H2	2019 H1	2019 H2	2020 H1	
1	1	1		MAP	10/1/11	11/11/19	2036 d	70%				116,863 hrs	\$0	\$18,252,366	\$19,775,638	\$21,795,795												
2	2	1.01		Program Management	10/1/11	11/11/19	2036 d	55%				10,826 hrs	\$0	\$1,940,238	\$2,042,426	\$2,042,426												
3	3	1.01.01		Program Coordination and Activities	10/1/11	11/11/19	2036 d	55%				6,064 hrs	\$0	\$1,367,896	\$1,447,695	\$1,447,695												
140	4	1.01.01.01		Project Management for Program Coordination and Activities	10/1/14	9/29/17	753 d	55%				6,064 hrs	\$0	\$1,367,896	\$1,447,695	\$1,447,695												
72	5	1.01.01.01.01	FNAL(01)	FY15 Project Management - (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	6SS	FNAL_N_PALM	3,413 hrs	\$0	\$708,505	\$726,218	\$726,218												
169	6	1.01.01.01.02	FNAL(01)	FY15 Project Management - (FNAL - M&S)(Includes Carryover for FY16)	10/1/14	9/30/15	251 d	100%	5SS	7SS	FN_M&S_TRVL	0 hrs	\$32,000	\$32,000	\$40,379	\$40,379												
2076	7	1.01.01.01.03	BNL(03)	FY15 Project Management - (BNL - Resources)	10/1/14	9/30/15	251 d	100%	6SS	8SS		0 hrs	\$0	\$0	\$0	\$0												
3138	8	1.01.01.01.04	IIT(23)	FY15 Project Management - (IIT - Resources)	10/1/14	9/30/15	251 d	100%	7SS	9SS		0 hrs	\$0	\$0	\$0	\$0												
3139	9	1.01.01.01.05	LBNL(05)	FY15 Project Management - (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	8SS	10SS		0 hrs	\$0	\$0	\$0	\$0												
3944	10	1.01.01.01.06	LBNL(05)	FY15 Project Management - (LBNL - M&S)	10/1/14	9/30/15	251 d	100%	9SS	11SS		0 hrs	\$0	\$0	\$0	\$0												
3940	11	1.01.01.01.07	SLAC(07)	FY15 Project Management - (SLAC - Resources)	10/1/14	9/30/15	251 d	100%	10SS	12SS		0 hrs	\$0	\$0	\$0	\$0												
3941	12	1.01.01.01.08	SLAC(07)	FY15 Project Management - (SLAC - M&S)	10/1/14	9/30/15	251 d	100%	11SS	50		0 hrs	\$0	\$0	\$0	\$0												
477	13	1.01.01.01.09	FNAL(01)	FY16 Project Management - (FNAL - Labor)(Includes Carryover into FY17)	10/1/15	9/30/16	252 d	42%	29FS-14 d	14SS	FNAL_N_PALM	2,191 hrs	\$0	\$465,011	\$490,959	\$490,959												
476	14	1.01.01.01.10	FNAL(01)	FY16 Project Management - (FNAL - M&S)	10/1/15	9/30/16	252 d	42%	13SS	15SS	FN_M&S_TRVL	0 hrs	\$55,000	\$55,000	\$70,722	\$70,722												
2077	15	1.01.01.01.11	BNL(03)	FY16 Project Management - (BNL - Resources)	10/1/15	9/30/16	252 d	42%	14SS	16SS		0 hrs	\$0	\$0	\$0	\$0												
3140	16	1.01.01.01.12	IIT(23)	FY16 Project Management - (IIT - Resources)	10/1/15	9/30/16	252 d	42%	15SS	17SS		0 hrs	\$0	\$0	\$0	\$0												
3141	17	1.01.01.01.13	LBNL(05)	FY16 Project Management - (LBNL - Resources)	10/1/15	9/30/16	252 d	42%	16SS	18SS		0 hrs	\$0	\$0	\$0	\$0												
3942	18	1.01.01.01.14	SLAC(07)	FY16 Project Management - (SLAC - Resources)	10/1/15	9/30/16	252 d	42%	17SS	19SS		0 hrs	\$0	\$0	\$0	\$0												
3943	19	1.01.01.01.15	SLAC(07)	FY16 Project Management - (SLAC - M&S)	10/1/15	9/30/16	252 d	42%	18SS	50		0 hrs	\$0	\$0	\$0	\$0												
544	20	1.01.01.01.16	FNAL(01)	FY17 Project Management - (FNAL - Labor)	10/3/16	9/29/17	250 d	0%	30FS-14 d	21SS	FNAL_N_PALM	460 hrs	\$0	\$96,380	\$105,006	\$105,006												
548	21	1.01.01.01.17	FNAL(01)	FY17 Project Management - (FNAL - M&S)	10/3/16	9/29/17	250 d	0%	20SS	22SS	FN_M&S_TRVL	0 hrs	\$11,000	\$11,000	\$14,413	\$14,413												
2078	22	1.01.01.01.18	BNL(03)	FY17 Project Management - (BNL - Resources)	10/3/16	9/29/17	250 d	0%	21SS	23SS		0 hrs	\$0	\$0	\$0	\$0												
3142	23	1.01.01.01.19	IIT(23)	FY17 Project Management - (IIT - Resources)	10/3/16	9/29/17	250 d	0%	22SS	24SS		0 hrs	\$0	\$0	\$0	\$0												
3143	24	1.01.01.01.20	LBNL(05)	FY17 Project Management - (LBNL - Resources)	10/3/16	9/29/17	250 d	0%	23SS	50		0 hrs	\$0	\$0	\$0	\$0												
377	25	1.01.01.02	FNAL(01)	L4 - [MAP Start] - Start of Project 10-01-2011 (FY12) (L0)	10/1/11	10/1/11	0 d	100%		26FS+251 d,28F		0 hrs	\$0	\$0	\$0	\$0												
378	26	1.01.01.03	FNAL(01)	Project Re-Organization 10-01-2012 (FY13)	10/1/12	10/1/12	0 d	100%	25FS+251 d	32,238		0 hrs	\$0	\$0	\$0	\$0												
4271	27	1.01.01.04	FNAL(01)	FY14 Funds Available	10/1/13	10/1/13	0 d	100%	25FS+502 d	684FS+150 d		0 hrs	\$0	\$0	\$0	\$0												
404	28	1.01.01.05	FNAL(01)	FY15 Funds Available	10/21/14	10/21/14	0 d	0%	25FS+767 d	273FS+6 d,260F		0 hrs	\$0	\$0	\$0	\$0												
524	29	1.01.01.06	FNAL(01)	FY16 Funds Available	10/20/15	10/20/15	0 d	0%	25FS+1017 d	233FS-14 d,38FS		0 hrs	\$0	\$0	\$0	\$0												
525	30	1.01.01.07	FNAL(01)	FY17 Funds Available	10/20/16	10/20/16	0 d	0%	25FS+1269 d	39FS-14 d,20FS-		0 hrs	\$0	\$0	\$0	\$0												
4334	31	1.01.01.08	FNAL(01)	FY18 Funds Available	10/20/17	10/20/17	0 d	0%	25FS+1520 d			0 hrs	\$0	\$0	\$0	\$0												
2005	32	1.01.01.09	FNAL(01)	L4 - [MAP End] - End of MAP Project (L0)	11/11/19	11/11/19	0 d	0%	708,235,186,50,232			0 hrs	\$0	\$0	\$0	\$0												
11	33	1.01.02		Program Management Office	10/1/14	9/29/17	753 d	68%				4,762 hrs	\$0	\$572,342	\$594,731	\$594,731												
145	34	1.01.02.01		Project Management for Program Management Office	10/1/14	9/29/17	753 d	68%				4,762 hrs	\$0	\$572,342	\$594,731	\$594,731												
56	35	1.01.02.01.01	FNAL(01)	FY15 Project Management (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	36SS	FNAL_N_BARC	2,811 hrs	\$0	\$339,908	\$348,406	\$348,406												
4040	36	1.01.02.01.02	LBNL(05)	FY15 Project Management (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	35SS	50,37SS		0 hrs	\$0	\$0	\$0	\$0												
4043	37	1.01.02.01.03	SLAC(07)	FY15 Project Management (SLAC - Resources)	10/1/14	10/1/15	252 d	100%	36SS	50		0 hrs	\$0	\$0	\$0	\$0												
479	38	1.01.02.01.04	FNAL(01)	FY16 Project Management (FNAL - Labor)	10/1/15	9/30/16	252 d	42%	29FS-14 d	50	FNAL_N_NEST	1,711 hrs	\$0	\$205,094	\$216,538	\$216,538												
550	39	1.01.02.01.05	FNAL(01)	FY17 Project Management (FNAL - Labor)	10/3/16	9/29/17	250 d	0%	30FS-14 d	50	FNAL_N_NEST	240 hrs	\$0	\$27,340	\$29,787	\$29,787												
4359	40	1.01.03		ISIS Beam Dates	7/14/15	3/28/17	428 d	0%				0 hrs	\$0	\$0	\$0	\$0												
4361	41	1.01.03.01	FNAL(01)	User Run Cycle - 2015-01b	7/14/15	7/24/15	9 d	0%	28FS+180 d	42FS+30 d		0 hrs	\$0	\$0	\$0	\$0												
4362	42	1.01.03.02	LBNL(05)	User Run Cycle - 2015-02	9/8/15	10/16/15	29 d	0%	41FS+30 d	43FS+11 d		0 hrs	\$0	\$0	\$0	\$0												
4363	43	1.01.03.03	SLAC(07)	User Run Cycle - 2015-03	11/3/15	12/18/15	32 d	0%	42FS+11 d	44FS+36 d		0 hrs	\$0	\$0	\$0	\$0												
4364	44	1.01.03.04	FNAL(01)	User Run Cycle - 2015-04	2/16/16	3/25/16	29 d	0%	43FS+36 d	45FS+11 d		0 hrs	\$0	\$0	\$0	\$0												
4366	45	1.01.03.05	FNAL(01)	User Run Cycle - 2016-01	4/12/16	5/31/16	35 d	0%	44FS+11 d	46FS+19 d		0 hrs	\$0	\$0	\$0	\$0												
4365	46	1.01.03.06	FNAL(01)	User Run Cycle - 2016-02	6/28/16	7/29/16	23 d	0%	45FS+19 d	50,47FS+32 d		0 hrs	\$0	\$0	\$0	\$0												
4385	47	1.01.03.07	FNAL(01)	User Run Cycle - 2016-03	9/15/16	10/28/16	32 d	0%	46FS+32 d	48FS+11 d		0 hrs	\$0	\$0	\$0	\$0												
4386	48	1.01.03.08	FNAL(01)	User Run Cycle - 2016-04	11/15/16	12/16/16	22 d	0%	47FS+11 d	50,49FS+30 d		0 hrs	\$0	\$0	\$0	\$0												
4387	49	1.01.03.09	FNAL(01)	User Run Cycle - 2016-xx	2/6/17	3/28/17	37 d	0%	48FS+30 d	50,419		0 hrs	\$0	\$0	\$0	\$0												
2265	50	1.01.04	FNAL(01)	L4 - [End WBS1] - End of Program Management (L1)	9/29/17	9/29/17	0 d	0%	24,39,38,12,19,36,332			0 hrs	\$0	\$0	\$0	\$0												
3952	51	1.02		Advanced Concepts for Muon and Neutrino Sources	10/1/14	9/30/15	251 d	100%				21,687 hrs	\$0	\$2,115,574	\$2,173,368	\$2,173,368												
3953	52	1.02.01		Activities Management	10/1/14	9/30/15	251 d	100%				2,008 hrs	\$0	\$349,214	\$355,849	\$355,849												
3968	53	1.02.01.01	LBNL(05)																									

UID	ID	WBS	Resp Inst 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	2018 H2	2019 H1	2019 H2	2020 H1	
4001	76	1.02.03.06	UCLA(26)	FY15 High Brightness Muon Sources - (UCLA - M&S)	10/1/14	9/30/15	251 d	100%	75SS	77SS		0 hrs	\$0	\$0	\$0	\$0												
4002	77	1.02.03.07	IIT(23)	FY15 High Brightness Muon Sources - (IIT - Resources)	10/1/14	9/30/15	251 d	100%	76SS	78SS	IIT_N_SNOPOK	1,004 hrs	\$0	\$0	\$0	\$0												
4003	78	1.02.03.08	IIT(23)	FY15 High Brightness Muon Sources - (IIT - M&S)	10/1/14	9/30/15	251 d	100%	77SS	79SS		0 hrs	\$0	\$0	\$0	\$0												
4004	79	1.02.03.09	UC(28)	FY15 High Brightness Muon Sources - (UC - Resources)	10/1/14	9/30/15	251 d	100%	78SS	80SS	UC_N_KOCHEI	1,004 hrs	\$21,200	\$21,200	\$22,251	\$22,251												
4005	80	1.02.03.10	UC(28)	FY15 High Brightness Muon Sources - (UC - M&S)	10/1/14	9/30/15	251 d	100%	79SS	81SS		0 hrs	\$0	\$0	\$0	\$0												
4006	81	1.02.03.11	UCR(27)	FY15 High Brightness Muon Sources - (UCR - Resources)	10/1/14	9/30/15	251 d	100%	80SS	82SS	UCR_N_BAOJ8	1,606 hrs	\$86,460	\$86,460	\$90,746	\$90,746												
4007	82	1.02.03.12	UCR(27)	FY15 High Brightness Muon Sources - (UCR - M&S)	10/1/14	9/30/15	251 d	100%	81SS	98		0 hrs	\$0	\$0	\$0	\$0												
3965	83	1.02.04		Precision Neutrino Sources	10/1/14	9/30/15	251 d	100%				2,511 hrs	\$0	\$282,207	\$290,205	\$290,205												
3996	84	1.02.04.01	FNAL(01)	FY15 Precision Neutrino Sources - (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	85SS	FNAL_N_ADEY	1,004 hrs	\$0	\$83,332	\$85,415	\$85,415												
3997	85	1.02.04.02	FNAL(01)	FY15 Precision Neutrino Sources - (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	84SS	86SS		0 hrs	\$0	\$0	\$0	\$0												
4008	86	1.02.04.03	BNL(03)	FY15 Precision Neutrino Sources - (BNL - Resources)	10/1/14	9/30/15	251 d	100%	85SS	87SS	BNL_N_BERG[	201 hrs	\$129,000	\$129,000	\$131,451	\$131,451											
4009	87	1.02.04.04	BNL(03)	FY15 Precision Neutrino Sources - (BNL - M&S)	10/1/14	9/30/15	251 d	100%	86SS	88SS		0 hrs	\$0	\$0	\$0	\$0												
4010	88	1.02.04.05	JLAB(04)	FY15 Precision Neutrino Sources - (JLAB - Resources)	10/1/14	9/30/15	251 d	100%	87SS	89SS	JLAB_N_BOGA	402 hrs	\$0	\$0	\$0	\$0												
4011	89	1.02.04.06	JLAB(04)	FY15 Precision Neutrino Sources - (JLAB - M&S)	10/1/14	9/30/15	251 d	100%	88SS	90SS		0 hrs	\$0	\$0	\$0	\$0												
4012	90	1.02.04.07	CU(22)	FY15 Precision Neutrino Sources - (CU - Resources)	10/1/14	9/30/15	251 d	100%	89SS	91SS	CU_N_FURUT	402 hrs	\$28,165	\$28,165	\$29,561	\$29,561												
4013	91	1.02.04.08	CU(22)	FY15 Precision Neutrino Sources - (CU - M&S)	10/1/14	9/30/15	251 d	100%	90SS	92SS		0 hrs	\$0	\$0	\$0	\$0												
4014	92	1.02.04.09	ICL(32)	FY15 Precision Neutrino Sources - (ICL - Resources)	10/1/14	9/30/15	251 d	100%	91SS	93SS	ICL_N_LAGRAI	502 hrs	\$41,710	\$41,710	\$43,778	\$43,778												
4015	93	1.02.04.10	ICL(32)	FY15 Precision Neutrino Sources - (ICL - M&S)	10/1/14	9/30/15	251 d	100%	92SS	94SS		0 hrs	\$0	\$0	\$0	\$0												
4016	94	1.02.04.11	GENERIC(53)	FY15 Precision Neutrino Sources - (GENERIC - Resources)(Indiana)	10/1/14	9/30/15	251 d	100%	93SS	95SS		0 hrs	\$0	\$0	\$0	\$0												
4017	95	1.02.04.12	GENERIC(53)	FY15 Precision Neutrino Sources - (GENERIC - M&S)(Indiana)	10/1/14	9/30/15	251 d	100%	94SS	96SS		0 hrs	\$0	\$0	\$0	\$0												
4018	96	1.02.04.13	GENERIC(53)	FY15 Precision Neutrino Sources - (GENERIC - Resources)(RAL)	10/1/14	9/30/15	251 d	100%	95SS	97SS		0 hrs	\$0	\$0	\$0	\$0												
4019	97	1.02.04.14	GENERIC(53)	FY15 Precision Neutrino Sources - (GENERIC - M&S)(RAL)	10/1/14	9/30/15	251 d	100%	96SS	98		0 hrs	\$0	\$0	\$0	\$0												
3955	98	1.02.05	FNAL(01)	L4 - [End WBS2] - End of Advanced Concepts for Muon and Neutrino Sources	9/30/15	9/30/15	0 d	100%	56,69,82,97	32		0 hrs	\$0	\$0	\$0	\$0												
6	99	1.03		MuCool Test Area (MTA)	8/1/14	5/17/16	450 d	95%				31,034 hrs	\$0	\$3,484,665	\$3,714,814	\$3,714,814												
31	100	1.03.01		Facility Management, Operations & Experimental Support	10/1/14	3/31/16	375 d	95%				15,169 hrs	\$0	\$1,958,590	\$2,105,755	\$2,105,755												
3701	101	1.03.01.01	IIT(23)	FY15 MuCool Level 2 Management (IIT - Resources)	10/1/14	9/30/15	251 d	100%	28FS-15 d	186	IIT_N_TORUN[	401 hrs	\$31,400	\$31,400	\$32,957	\$32,957											
3702	102	1.03.01.02	IIT(23)	FY16 MuCool Level 2 Management (IIT - Resources)	10/1/15	3/31/16	124 d	100%	29FS-14 d	186	IIT_N_TORUN[	198 hrs	\$15,700	\$15,700	\$16,792	\$16,792											
3713	103	1.03.01.03	FNAL(01)	FY15 MTA Support (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	104SS	FNAL_N_YONE	7,631 hrs	\$0	\$1,011,084	\$1,036,361	\$1,036,361												
3714	104	1.03.01.04	FNAL(01)	FY15 MTA Support (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	103SS	105SS	FN_M&S_STNC	0 hrs	\$185,058	\$185,058	\$233,511	\$233,511												
4038	105	1.03.01.05	LBNL(05)	FY15 MTA Support (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	104SS	106SS	LBNL_N_LI[5%	100 hrs	\$21,600	\$21,600	\$22,010	\$22,010												
4039	106	1.03.01.06	LBNL(05)	FY15 MTA Support (LBNL - M&S)	10/1/14	9/30/15	251 d	100%	105SS	107SS		0 hrs	\$0	\$0	\$0	\$0												
3719	107	1.03.01.07	IIT(23)	FY15 MTA Support (IIT - Resources)	10/1/14	9/30/15	251 d	100%	106SS	108SS	IIT_N_LANE,IIT	2,008 hrs	\$30,400	\$30,400	\$31,907	\$31,907												
3720	108	1.03.01.08	IIT(23)	FY15 MTA Support (IIT - M&S)	10/1/14	9/30/15	251 d	100%	107SS	186		0 hrs	\$0	\$0	\$0	\$0												
3717	109	1.03.01.09	FNAL(01)	FY16 MTA Support (FNAL - Labor)	10/1/15	3/31/16	124 d	83%	29FS-14 d	110SS	FNAL_N_YONE	3,777 hrs	\$0	\$498,976	\$526,819	\$526,819												
3718	110	1.03.01.10	FNAL(01)	FY16 MTA Support (FNAL - M&S)	10/1/15	3/31/16	124 d	83%	109SS	111SS	FN_M&S_STNC	0 hrs	\$138,372	\$138,372	\$177,926	\$177,926												
4228	111	1.03.01.11	LBNL(05)	FY16 MTA Support (LBNL - Resources)	10/1/15	3/31/16	124 d	83%	110SS	112SS	LBNL_N_LI[5%	50 hrs	\$10,800	\$10,800	\$11,215	\$11,215												
4229	112	1.03.01.12	LBNL(05)	FY16 MTA Support (LBNL - M&S)	10/1/15	3/31/16	124 d	83%	111SS	113SS		0 hrs	\$0	\$0	\$0	\$0												
4230	113	1.03.01.13	IIT(23)	FY16 MTA Support (IIT - Resources)	10/1/15	3/31/16	124 d	83%	112SS	114SS	IIT_N_LANE,IIT	1,004 hrs	\$15,200	\$15,200	\$16,257	\$16,257												
4231	114	1.03.01.14	IIT(23)	FY16 MTA Support (IIT - M&S)	10/1/15	3/31/16	124 d	83%	113SS	186		0 hrs	\$0	\$0	\$0	\$0												
35	115	1.03.02		MICE Component Testing Support	8/1/14	5/17/16	450 d	93%				2,973 hrs	\$0	\$534,910	\$578,976	\$578,976												
3689	116	1.03.02.01	FNAL(01)	FY15 MICE Component Testing Support (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	117SS	FNAL_N_LEON	1,486 hrs	\$0	\$226,561	\$232,225	\$232,225												
3690	117	1.03.02.02	FNAL(01)	FY15 MICE Component Testing Support (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	116SS	118SS	FN_M&S_TRVL	0 hrs	\$9,600	\$9,600	\$12,114	\$12,114												
4034	118	1.03.02.03	LBNL(05)	FY15 MICE Component Testing Support (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	117SS	119SS	LBNL_N_LUO[2	502 hrs	\$54,700	\$54,700	\$55,739	\$55,739												
4035	119	1.03.02.04	LBNL(05)	FY15 MICE Component Testing Support (LBNL - M&S)	10/1/14	9/30/15	251 d	100%	118SS	120SS		0 hrs	\$0	\$0	\$0	\$0												
4045	120	1.03.02.05	IIT(23)	FY15 MICE Component Testing Support (IIT - Resources)	10/1/14	9/30/15	251 d	100%	119SS	121SS		0 hrs	\$0	\$0	\$0	\$0												
4046	121	1.03.02.06	IIT(23)	FY15 MICE Component Testing Support (IIT - M&S)	10/1/14	9/30/15	251 d	100%	120SS	186		0 hrs	\$0	\$0	\$0	\$0												
3691	122	1.03.02.07	FNAL(01)	FY16 MICE Component Testing Support (FNAL - Labor)	10/1/15	3/31/16	124 d	83%	29FS-14 d	123SS	FNAL_N_LEON	734 hrs	\$0	\$111,899	\$118,143	\$118,143												
3692	123	1.03.02.08	FNAL(01)	FY16 MICE Component Testing Support (FNAL - M&S)	10/1/15	3/31/16	124 d	83%	122SS	186,124SS	FN_M&S_TRVL	0 hrs	\$4,800	\$4,800	\$6,172	\$6,172												
4232	124	1.03.02.09	LBNL(05)	FY16 MICE Component Testing Support (LBNL - Resources)	10/1/15	3/31/16	124 d	83%	123SS	125SS	LBNL_N_LUO[2	251 hrs	\$27,350	\$27,350	\$28,400	\$28,400												
4233	125	1.03.02.10	LBNL(05)	FY16 MICE Component Testing Support (LBNL - M&S)	10/1/15	3/31/16	124 d	83%	124SS	126SS		0 hrs	\$0	\$0	\$0	\$0												
4234	126	1.03.02.11	IIT(23)	FY16 MICE Component Testing Support (IIT - Resources)	10/1/15	3/31/16	124 d	83%	125SS	127SS		0 hrs	\$0	\$0	\$0	\$0												
4235	127	1.03.02.12	IIT(23)	FY16 MICE Component Testing Support (IIT - M&S)	10/1/15	3/31/16	124 d	83%	126SS	186		0 hrs	\$0	\$0	\$0	\$0												
4071	128	1.03.02.13		MICE 201MHz Cavity Experimental Schedule	8/1/14	5/17/16	450 d	81%				0 hrs	\$0	\$100,000	\$126,183	\$126,183												
4072	129	1.03.02.13.01	FNAL(01)	MICE 201MHz Cavity Preliminary Power Tests (B=0, 1MW, Cu Windows)	8/1/14	9/29/14	41 d	100%	28FS-57 d	130		0 hrs	\$0	\$0	\$0	\$0												
4198	130	1.03.02.13.02	FNAL(01)	L4 - [Ready] - MICE 201MHz Cavity Preliminary Power Tests (B=0, 1MW, Cu Window	9/29/14	9/29/14	0 d	100%	129	131		0 hrs	\$0	\$0	\$0	\$0												
4199	131	1.03.02.13.03	FNAL(01)	L4 - [Required] - MICE 201MHz Cavity Preliminary Power Tests (B=0, 1MW, Cu Winc	9/29/14	9/29/14	0 d	100%	130	132		0 hrs	\$0	\$0	\$0	\$0												
4073	132	1.03.02.13.04	FNAL(01)	MICE 201MHz Cavity Characterization (B=0, Cu Windows)	9/30/14	11/18/14	36 d	100%	131	133		0 hrs	\$0	\$0	\$0	\$0												
4200	133	1.03.02.13.05	FNAL(01)	L4 - [Ready] - MICE 201MHz Cavity Characterization (B=0, Cu Windows)	11/18/14	11/18/14	0 d	100%	132	134FS+4 d		0 hrs	\$0	\$0	\$0	\$0												
4201	134	1.03.02.13.06	FNAL(01)	L4 - [Required] - MICE 201MHz Cavity Characterization (B=0, Cu Windows)	11/24/14	11/24/14	0 d	100%	133FS+4 d	135		0 hrs	\$0	\$0	\$0	\$0												
4074	135	1.03.02.13.07	FNAL(01)	MICE 201MHz Cavity Actuator/Tuner Characterization (B=0)	11/25/14	12/1/14	3 d	100%	134	136		0 hrs	\$0	\$0	\$0	\$0												
4202	136	1.03.02.13.08	FNAL(01)	L4 - [Ready] - MICE 201MHz Cavity Actuator/Tuner Characterization (B=0)	12/1/14	12/1/14	0 d	100%	135	137		0 hrs	\$0	\$0	\$0	\$0												
4203	137	1.03.02.13.09	FNAL(01)	L4 - [Required] - MICE 201MHz Cavity Actuator/Tuner Characterization (B=0)	12/1/14	12/1/14	0 d	100%	136	138		0 hrs	\$0	\$0	\$0	\$0												
4197	138	1.03.02.13.10	FNAL(01)	MICE 201 MHz Cavity Vacuum System Re-configuration	12/2/14	2/2/15	40 d	100%	137	139	FN_M&S																	

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)	2015					2016		2017		2018		2019		20					
																	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1				
4220	151	1.03.02.13.23	FNAL(01)	MICE 201MHz Cavity Actuator/Tuner Characterization (B=5T)	5/19/15	6/1/15	9 d	100%	150	152		0 hrs	\$0	\$0	\$0	\$0																			
4221	152	1.03.02.13.24	FNAL(01)	L4 - [Ready] - MICE 201MHz Cavity Actuator/Tuner Characterization (B=5T)	6/1/15	6/1/15	0 d	100%	151	153		0 hrs	\$0	\$0	\$0	\$0																			
4222	153	1.03.02.13.25	FNAL(01)	L4 - [Required] - MICE 201MHz Cavity Actuator/Tuner Characterization (B=5T)	6/1/15	6/1/15	0 d	100%	152	154,270FS+29 d		0 hrs	\$0	\$0	\$0	\$0																			
4226	154	1.03.02.13.26	FNAL(01)	MICE 201 MHz Cavity Production Coupler Re-configuration	1/26/16	2/29/16	25 d	100%	153,319	155		0 hrs	\$0	\$0	\$0	\$0																			
4223	155	1.03.02.13.27	FNAL(01)	MICE 201MHz Production Coupler Power Processing (1st pair)	3/1/16	3/7/16	5 d	100%	154	156		0 hrs	\$0	\$0	\$0	\$0																			
4224	156	1.03.02.13.28	FNAL(01)	L4 - [Ready] - MICE 201MHz Production Coupler Power Processing (1st pair)	3/7/16	3/7/16	0 d	100%	155	157FS+5 d		0 hrs	\$0	\$0	\$0	\$0																			
4225	157	1.03.02.13.29	FNAL(01)	L4 - [Required] - MICE 201MHz Production Coupler Power Processing (1st pair)	3/14/16	3/14/16	0 d	100%	156FS+5 d	158		0 hrs	\$0	\$0	\$0	\$0																			
4227	158	1.03.02.13.30	FNAL(01)	MICE 201MHz Cavity Run 6 (Beam Test)	3/15/16	5/17/16	46 d	0%	157,29FS+47 d	186		0 hrs	\$0	\$0	\$0	\$0																			
3956	159	1.03.03		RF Cavities in Magnetic Field R&D	10/1/14	3/31/16	375 d	96%				12,892 hrs	\$0	\$991,165	\$1,030,084	\$1,030,084																			
4020	160	1.03.03.01		Vacuum RF Cavity R&D	10/1/14	3/31/16	375 d	97%				4,402 hrs	\$0	\$423,100	\$437,768	\$437,768																			
3957	161	1.03.03.01.01	FNAL(01)	FY15 Vacuum RF Cavity R&D (FNAL - Labor)	10/1/14	9/30/15	251 d	100%	28FS-15 d	162SS	FNAL_N_BOWI	1,607 hrs	\$0	\$225,396	\$231,031	\$231,031																			
3958	162	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%	161SS	163SS		0 hrs	\$0	\$0	\$0	\$0																			
3959	163	1.03.03.01.03	IIT(23)	FY15 Vacuum RF Cavity R&D (IIT - Resources)	10/1/14	9/30/15	251 d	100%	162SS	164SS		0 hrs	\$0	\$0	\$0	\$0																			
3960	164	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%	163SS	186,165SS		0 hrs	\$0	\$0	\$0	\$0																			
4028	165	1.03.03.01.05	LBNL(05)	FY15 Vacuum RF Cavity R&D (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	164SS	166SS	LBNL_N_LUO[2	502 hrs	\$54,700	\$54,700	\$55,739	\$55,739																			
4029	166	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%	165SS	167SS		0 hrs	\$0	\$0	\$0	\$0																			
4030	167	1.03.03.01.07	UC(28)	FY15 Vacuum RF Cavity R&D (UC - Resources)	10/1/14	9/30/15	251 d	100%	166SS	168SS	UC_N_KOCHEI	1,004 hrs	\$21,200	\$21,200	\$22,251	\$22,251																			
4031	168	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%	167SS	186		0 hrs	\$0	\$0	\$0	\$0																			
4086	169	1.03.03.01.09	FNAL(01)	FY16 Vacuum RF Cavity R&D (FNAL - Labor)	10/1/15	3/31/16	124 d	83%	29FS-14 d	170SS,171SS	FNAL_N_BOWI	793 hrs	\$0	\$111,204	\$117,409	\$117,409																			
4087	170	1.03.03.01.10	FNAL(01)	FY16 Vacuum RF Cavity R&D (FNAL - M&S)	10/1/15	3/31/16	124 d	83%	169SS	186		0 hrs	\$0	\$0	\$0	\$0																			
4088	171	1.03.03.01.11	UC(28)	FY16 Vacuum RF Cavity R&D (UC - Resources)	10/1/15	3/31/16	124 d	83%	169SS	172SS	UC_N_KOCHEI	496 hrs	\$10,600	\$10,600	\$11,337	\$11,337																			
4089	172	1.03.03.01.12	UC(28)	FY16 Vacuum RF Cavity R&D (UC - M&S)	10/1/15	3/31/16	124 d	83%	171SS	186		0 hrs	\$0	\$0	\$0	\$0																			
4021	173	1.03.03.02		High Pressure RF Cavity R&D	10/1/14	3/31/16	375 d	94%				8,490 hrs	\$0	\$568,065	\$592,316	\$592,316																			
4022	174	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	175SS	FNAL_N_YONE	1,667 hrs	\$0	\$244,619	\$250,735	\$250,735																			
4023	175	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%	174SS	176SS		0 hrs	\$0	\$0	\$0	\$0																			
4024	176	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%	175SS	177SS	IIT_N_FREEMIE	2,008 hrs	\$77,230	\$77,230	\$81,058	\$81,058																			
4025	177	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%	176SS	186,178SS		0 hrs	\$0	\$0	\$0	\$0																			
4032	178	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%	177SS	179SS	SUNY_N_MAS	2,008 hrs	\$57,900	\$57,900	\$60,770	\$60,770																			
4033	179	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%	178SS	186		0 hrs	\$0	\$0	\$0	\$0																			
4090	180	1.03.03.02.07	FNAL(01)	FY16 High Pressure RF Cavity R&D (FNAL - Labor)	10/1/15	3/31/16	124 d	83%	29FS-14 d	181SS	FNAL_N_YONE	823 hrs	\$0	\$120,751	\$127,489	\$127,489																			
4091	181	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	83%	180SS	182SS		0 hrs	\$0	\$0	\$0	\$0																			
4092	182	1.03.03.02.09	IIT(23)	FY16 High Pressure RF Cavity R&D (IIT - Resources)	10/1/15	3/31/16	124 d	83%	181SS	183SS	IIT_N_FREEMIE	992 hrs	\$38,615	\$38,615	\$41,301	\$41,301																			
4093	183	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	83%	182SS	184SS		0 hrs	\$0	\$0	\$0	\$0																			
4094	184	1.03.03.02.11	SUNY(33)	FY16 High Pressure RF Cavity R&D (SUNY - Resources)	10/1/15	3/31/16	124 d	83%	183SS	185SS	SUNY_N_MAS	992 hrs	\$28,950	\$28,950	\$30,964	\$30,964																			
4095	185	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	83%	184SS	186		0 hrs	\$0	\$0	\$0	\$0																			
2264	186	1.03.03.04	FNAL(01)	L4 - [End WBS3] - End of MuCool Test Area Support (MTA) (L1)	5/17/16	5/17/16	0 d	0%	123,108,102,101,1632			0 hrs	\$0	\$0	\$0	\$0																			
8	187	1.04		Muon Ionization Cooling Experiment (MICE)	10/1/14	9/29/17	753 d	46%				30,742 hrs	\$0	\$3,271,691	\$3,539,657	\$3,539,657																			
576	188	1.04.01		MICE Experimental Support	10/1/14	9/29/17	753 d	46%				30,742 hrs	\$0	\$3,271,691	\$3,539,657	\$3,539,657																			
580	189	1.04.01.01		MICE Commissioning and Operations	10/1/14	9/29/17	753 d	45%				30,742 hrs	\$0	\$2,948,879	\$3,123,410	\$3,123,410																			
3198	190	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	221,191SS	FNAL_N_ADEY	3,614 hrs	\$0	\$386,889	\$396,561	\$396,561																			
3215	191	1.04.01.01.02	FNAL(01)	FY15 - MICE Commissioning and Operations (FNAL - M&S)	10/1/14	9/30/15	251 d	100%	190SS	192SS	FN_M&S_TRVL	0 hrs	\$13,400	\$13,400	\$16,909	\$16,909																			
4036	192	1.04.01.01.03	LBNL(05)	FY15 - MICE Commissioning and Operations (LBNL - Resources)	10/1/14	9/30/15	251 d	100%	191SS	193SS	LBNL_N_LUO[1	201 hrs	\$16,700	\$16,700	\$17,017	\$17,017																			
4037	193	1.04.01.01.04	LBNL(05)	FY15 - MICE Commissioning and Operations (LBNL - M&S)	10/1/14	9/30/15	251 d	100%	192SS	194SS		0 hrs	\$0	\$0	\$0	\$0																			
4041	194	1.04.01.01.05	BNL(03)	FY15 - MICE Commissioning and Operations (BNL - Resources)	10/1/14	9/30/15	251 d	100%	193SS	195SS	BNL_N_WITTE	1,646 hrs	\$227,000	\$227,000	\$231,313	\$231,313																			
4042	195	1.04.01.01.06	BNL(03)	FY15 - MICE Commissioning and Operations (BNL - M&S)	10/1/14	9/30/15	251 d	100%	194SS	196SS		0 hrs	\$0	\$0	\$0	\$0																			
3203	196	1.04.01.01.07	IIT(23)	FY15 - MICE Commissioning and Operations (IIT - Resources)	10/1/14	9/30/15	251 d	100%	195SS	197SS	IIT_N_HANLET	4,217 hrs	\$260,750	\$260,750	\$273,675	\$273,675																			
3218	197	1.04.01.01.08	IIT(23)	FY15 - MICE Commissioning and Operations (IIT - M&S)	10/1/14	9/30/15	25																												

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 2018 2019 20											
																	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	
3778	526	1.05.04.01.01.01.21	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding RAW Material Procurement - S	12/19/14	12/19/14	0 d	100%	523	527		0 hrs	\$0	\$0	\$0	\$0												
3779	527	1.05.04.01.01.01.22	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding RAW Material Procurement	12/19/14	12/19/14	0 d	100%	526	530		0 hrs	\$0	\$0	\$0	\$0												
3782	528	1.05.04.01.01.01.23	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding RAW Material Procurement - N	12/19/14	12/19/14	0 d	100%	525,524	529		0 hrs	\$0	\$0	\$0	\$0												
3783	529	1.05.04.01.01.01.24	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding RAW Material Procurement	12/19/14	12/19/14	0 d	100%	528	539		0 hrs	\$0	\$0	\$0	\$0												
3799	530	1.05.04.01.01.01.25	BNL(03)	MICE Step IV Magnetic Shielding Fabrication - SOUTH WALL (BNL - Resource	12/22/14	2/20/15	40 d	100%	522,523,527	531SS,532		0 hrs	\$0	\$0	\$0	\$0												
3800	531	1.05.04.01.01.01.26	BNL(03)	MICE Step IV Magnetic Shielding Fabrication - SOUTH WALL (BNL - M&S)	12/22/14	2/20/15	40 d	100%	530SS	532		0 hrs	\$0	\$0	\$0	\$0												
3801	532	1.05.04.01.01.01.27	BNL(03)	L4 - [Ready] - MICE Step IV Magnetic Shielding Fabrication - SOUTH WALL - C	2/20/15	2/20/15	0 d	100%	530,531	533FS+8 d		0 hrs	\$0	\$0	\$0	\$0												
3802	533	1.05.04.01.01.01.28	BNL(03)	L4 - [Required] - MICE Step IV Magnetic Shielding Fabrication - SOUTH WALL	3/4/15	3/4/15	0 d	100%	532FS+8 d	553,534FS-4 d		0 hrs	\$0	\$0	\$0	\$0												
4171	534	1.05.04.01.01.01.29	BNL(03)	MICE Step IV Magnetic Shielding SOUTH FRAME and WALL Fit-Up	2/27/15	3/5/15	5 d	100%	533FS-4 d	535		0 hrs	\$0	\$0	\$0	\$0												
4172	535	1.05.04.01.01.01.30	BNL(03)	L4 - [Ready] - MICE Step IV Magnetic Shielding SOUTH FRAME and WALL Fit	3/5/15	3/5/15	0 d	100%	534	536		0 hrs	\$0	\$0	\$0	\$0												
4173	536	1.05.04.01.01.01.31	BNL(03)	L4 - [Required] - MICE Step IV Magnetic Shielding SOUTH FRAME and WALL	3/5/15	3/5/15	0 d	100%	535	537		0 hrs	\$0	\$0	\$0	\$0												
4174	537	1.05.04.01.01.01.32	FNAL(01)	(RISK)-(R2) - MICE-US SOUTH Shielding MICE Step IV Fit-up	3/5/15	3/5/15	0 d	100%	536	538,553		0 hrs	\$0	\$0	\$0	\$0												
4175	538	1.05.04.01.01.01.33	FNAL(01)	(RISK)-(R2) - MICE-US SOUTH Shielding MICE Step IV Fit-up - Possible Cost	3/6/15	4/30/15	40 d	100%	537			0 hrs	\$0	\$0	\$0	\$0												
3804	539	1.05.04.01.01.01.34	BNL(03)	MICE Step IV Magnetic Shielding Fabrication - NORTH WALL (BNL - Resource	12/22/14	2/27/15	45 d	100%	522,523,529	540SS,541		0 hrs	\$0	\$0	\$0	\$0												
3805	540	1.05.04.01.01.01.35	BNL(03)	MICE Step IV Magnetic Shielding Fabrication - NORTH WALL (BNL - M&S)	12/22/14	2/27/15	45 d	100%	539SS	541		0 hrs	\$0	\$0	\$0	\$0												
3806	541	1.05.04.01.01.01.36	BNL(03)	L4 - [Ready] - MICE Step IV Magnetic Shielding Fabrication - NORTH WALL - C	2/27/15	2/27/15	0 d	100%	539,540	542FS+16 d		0 hrs	\$0	\$0	\$0	\$0												
3807	542	1.05.04.01.01.01.37	BNL(03)	L4 - [Required] - MICE Step IV Magnetic Shielding Fabrication - NORTH WALL	3/23/15	3/23/15	0 d	100%	541FS+16 d	561,543		0 hrs	\$0	\$0	\$0	\$0												
3793	543	1.05.04.01.01.01.38	BNL(03)	MICE Step IV Magnetic Shielding NORTH FRAME and WALL Fit-Up	3/24/15	3/30/15	5 d	100%	542	544		0 hrs	\$0	\$0	\$0	\$0												
3794	544	1.05.04.01.01.01.39	BNL(03)	L4 - [Ready] - MICE Step IV Magnetic Shielding NORTH FRAME and WALL Fit	3/30/15	3/30/15	0 d	100%	543	545FS+1 d		0 hrs	\$0	\$0	\$0	\$0												
3795	545	1.05.04.01.01.01.40	BNL(03)	L4 - [Required] - MICE Step IV Magnetic Shielding NORTH FRAME and WALL	3/31/15	3/31/15	0 d	100%	544FS+1 d	557,561,546		0 hrs	\$0	\$0	\$0	\$0												
1873	546	1.05.04.01.01.01.41	FNAL(01)	(RISK)-(R3) - MICE-US NORTH Shielding MICE Step IV Fit-up	3/31/15	3/31/15	0 d	100%	545	547,557,561		0 hrs	\$0	\$0	\$0	\$0												
1874	547	1.05.04.01.01.01.42	FNAL(01)	(RISK)-(R3) - MICE-US NORTH Shielding MICE Step IV Fit-up - Possible Cost	4/1/15	5/27/15	40 d	100%	546			0 hrs	\$0	\$0	\$0	\$0												
1780	548	1.05.04.01.01.02		MICE Step IV Magnetic Shielding Shipped to UK	1/26/15	5/1/15	70 d	100%				0 hrs	\$0	\$122,936	\$155,124	\$170,620												
3742	549	1.05.04.01.01.02.01	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FRAME (FNAL - La	1/26/15	2/12/15	14 d	100%	520	550SS,551		0 hrs	\$0	\$0	\$0	\$0												
3743	550	1.05.04.01.01.02.02	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FRAME (FNAL - M&	1/26/15	2/12/15	14 d	100%	549SS	551,581	FN_M&S_STNC	0 hrs	\$10,631	\$10,631	\$13,415	\$13,415												
3796	551	1.05.04.01.01.02.03	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FRAM	2/12/15	2/12/15	0 d	100%	549,550	552		0 hrs	\$0	\$0	\$0	\$0												
3797	552	1.05.04.01.01.02.04	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH FR	2/12/15	2/12/15	0 d	100%	551	567,565		0 hrs	\$0	\$0	\$0	\$0												
1781	553	1.05.04.01.01.02.05	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH WALL (FNAL - Labo	3/6/15	3/24/15	13 d	100%	553,537	554SS,555		0 hrs	\$0	\$0	\$0	\$0												
1782	554	1.05.04.01.01.02.06	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - SOUTH WALL (FNAL - M&S	3/6/15	3/24/15	13 d	100%	553SS	555	FN_M&S_STNC	0 hrs	\$61,120	\$61,120	\$77,123	\$77,123												
3808	555	1.05.04.01.01.02.07	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH WALL	3/24/15	3/24/15	0 d	100%	553,554	556,569FS+3 d		0 hrs	\$0	\$0	\$0	\$0												
3809	556	1.05.04.01.01.02.08	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - SOUTH W	3/24/15	3/24/15	0 d	100%	555,507	569FS+3 d,565		0 hrs	\$0	\$0	\$0	\$0												
3764	557	1.05.04.01.01.02.09	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH FRAME (FNAL - La	4/1/15	4/30/15	22 d	100%	545,546	558SS,563,559		0 hrs	\$0	\$0	\$0	\$0												
3765	558	1.05.04.01.01.02.10	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH FRAME (FNAL - M	4/1/15	4/30/15	22 d	100%	557SS	563,559	FN_M&S_STNC	0 hrs	\$10,250	\$10,250	\$12,934	\$12,934												
3817	559	1.05.04.01.01.02.11	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH FRAM	4/30/15	4/30/15	0 d	100%	558,557	560		0 hrs	\$0	\$0	\$0	\$0												
3818	560	1.05.04.01.01.02.12	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH FR	4/30/15	4/30/15	0 d	100%	559	574FS+11 d,565		0 hrs	\$0	\$0	\$0	\$0												
3740	561	1.05.04.01.01.02.13	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH WALL (FNAL - Labo	4/1/15	4/30/15	22 d	100%	545,542,546	562SS,563		0 hrs	\$0	\$0	\$0	\$0												
3741	562	1.05.04.01.01.02.14	FNAL(01)	MICE Step IV Magnetic Shielding Shipped to UK - NORTH WALL (FNAL - M&S	4/1/15	4/30/15	22 d	100%	561SS	563FS+1 d	FN_M&S_STNC	0 hrs	\$40,935	\$40,935	\$51,653	\$67,149												
3810	563	1.05.04.01.01.02.15	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH WALL	5/1/15	5/1/15	0 d	100%	557,561,558,562FS+1	564		0 hrs	\$0	\$0	\$0	\$0												
3811	564	1.05.04.01.01.02.16	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Shipped to UK - NORTH W	5/1/15	5/1/15	0 d	100%	563	576,565		0 hrs	\$0	\$0	\$0	\$0												
1783	565	1.05.04.01.01.02.17	FNAL(01)	L4 - [US Deliverable] - MICE Step IV Magnetic Shielding Full Delivery Comple	5/1/15	5/1/15	0 d	100%	561,552,556,560,564	690		0 hrs	\$0	\$0	\$0	\$0												
1784	566	1.05.04.01.01.03		MICE Step IV Magnetic Shielding Installation at RAL	2/13/15	5/29/15	75 d	100%				144 hrs	\$0	\$50,690	\$51,653	\$70,276												
3754	567	1.05.04.01.01.03.01	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH FRAME (BNL -	2/13/15	2/20/15	6 d	100%	552	568SS,569		0 hrs	\$0	\$0	\$0	\$0												
3755	568	1.05.04.01.01.03.02	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH FRAME (BNL -	2/13/15	2/20/15	6 d	100%	567SS	569		0 hrs	\$0	\$0	\$0	\$0												
3760	569	1.05.04.01.01.03.03	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH WALL (BNL - R	3/30/15	4/2/15	4 d	100%	567,568,555FS+3 d,5	570SS	BNL_N_WITTE	104 hrs	\$16,440	\$16,440	\$16,752	\$23,453												
3761	570	1.05.04.01.01.03.04	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - SOUTH WALL (BNL - M	3/30/15	4/2/15	4 d	100%	569SS	571	BNL_M&S_FY1	0 hrs	\$10,000	\$10,000	\$10,190	\$13,247												
4236	571	1.05.04.01.01.03.05	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Installation at RAL - SOUTH F	4/2/15	4/2/15	0 d	100%	570	572		0 hrs	\$0	\$0	\$0	\$0												
4237	572	1.05.04.01.01.03.06	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Installation at RAL - SOUTH	4/2/15	4/2/15	0 d	100%	571	573		0 hrs	\$0	\$0	\$0	\$0												
3813	573	1.05.04.01.01.03.07	BNL(03)	L4 - [US Installation Complete(UK)] - MICE Step IV Magnetic Shielding Install	4/2/15	4/2/15	0 d	100%	572	574,575,395		0 hrs	\$0	\$0	\$0	\$0												
3766	574	1.05.04.01.01.03.08	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH FRAME (BNL -	5/18/15	5/21/15	4 d	100%	573,560FS+11 d	575SS,576		0 hrs	\$0	\$0	\$0	\$0												
3767	575	1.05.04.01.01.03.09	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH FRAME (BNL -	5/18/15	5/21/15	4 d	100%	574SS,573	576		0 hrs	\$0	\$0	\$0	\$0												
3772	576	1.05.04.01.01.03.10	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH WALL (BNL - R	5/22/15	5/26/15	2 d	100%	574,575,564	577SS	BNL_N_WITTE	40 hrs	\$14,250	\$14,250	\$14,521	\$20,329												
3773	577	1.05.04.01.01.03.11	BNL(03)	MICE Step IV Magnetic Shielding Installation at RAL - NORTH WALL (BNL - M	5/22/15	5/29/15	5 d	100%	576SS	578	BNL_M&S_FY1	0 hrs	\$10,000	\$10,000	\$10,190	\$13,247												
4238	578	1.05.04.01.01.03.12	FNAL(01)	L4 - [Ready] - MICE Step IV Magnetic Shielding Installation at RAL - NORTH P	5/29/15	5/29/15	0 d	100%	577	579		0 hrs	\$0	\$0	\$0	\$0												
4239	579	1.05.04.01.01.03.13	FNAL(01)	L4 - [Required] - MICE Step IV Magnetic Shielding Installation at RAL - NORTH	5/29/15	5/29/15	0 d	100%	578	580		0 hrs	\$0	\$0	\$0	\$0												
4241	580	1.05.04.01.01.03.14	BNL(03)	L4 - [US Installation Complete(UK)] - MICE Step IV Magnetic Shielding Install	5/29/15	5/29/15	0 d	100%	579	583		0 hrs	\$0	\$0	\$0	\$0												
1871	581	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%	550	582SS		0 hrs	\$0	\$0	\$0	\$0												
1872	582	1.05.04.01.01.03.16	FNAL(

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 H1	2015 H2	2016 H1	2016 H2	2017 H1	2017 H2	2018 H1	2018 H2	2019 H1	2019 H2	2020 H1		
4248	601	1.05.04.01.02.03.03	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding WALL Material Shipping from	7/13/15	7/24/15	10 d	100%	600	606FS-30 d,602FS-	FN_M&S_STNC	0 hrs	\$4,250	\$4,250	\$5,363	\$5,363													
4277	602	1.05.04.01.02.03.04	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding WALL Material Shipping from	1/25/16	2/3/16	8 d	100%	601FS+122 d	606,604SS,605SS	FN_M&S_STNC	0 hrs	\$3,780	\$3,780	\$4,861	\$6,319													
3855	603	1.05.04.01.02.03.05	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding Contract for FRAME and WA	6/8/15	9/29/15	80 d	100%	596FS-13 d	606		0 hrs	\$0	\$0	\$0	\$0													
4278	604	1.05.04.01.02.03.06	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Revise Drawings for FRAME	1/25/16	2/5/16	10 d	100%	602SS	606	BNL_N_PLATE	80 hrs	\$12,375	\$12,375	\$12,850	\$16,705													
4279	605	1.05.04.01.02.03.07	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding Revise Drawings Change Or	1/25/16	2/5/16	10 d	100%	602SS	606	FN_M&S_STNC	0 hrs	\$15,350	\$15,350	\$19,738	\$25,659													
4170	606	1.05.04.01.02.03.08	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding FRAME and WALL Fabricatio	2/8/16	4/1/16	40 d	0%	599,600FS-30 d,603,607SS,608		FN_M&S_STNC	0 hrs	\$153,220	\$153,220	\$197,018	\$197,018													
3857	607	1.05.04.01.02.03.09	BNL(03)	MICE Cooling Demonstration Magnetic Shielding FRAME and WALL Fabricatio	2/8/16	4/1/16	40 d	0%	606SS	608	BNL_N_PLATE	320 hrs	\$38,500	\$38,500	\$39,978	\$55,970													
3851	608	1.05.04.01.02.03.10	BNL(03)	L4 - [Ready] - MICE Cooling Demonstration Magnetic Shielding Parts - Comple	4/1/16	4/1/16	0 d	0%	607,606	609FS+32 d		0 hrs	\$0	\$0	\$0	\$0													
3852	609	1.05.04.01.02.03.11	BNL(03)	L4 - [Required] - MICE Cooling Demonstration Magnetic Shielding Parts - Com	5/17/16	5/17/16	0 d	0%	608FS+32 d	613,621,610		0 hrs	\$0	\$0	\$0	\$0													
4104	610	1.05.04.01.02.03.12	FNAL(01)	(RISK)-(R3) - MICE-US Shielding Cooling Demonstration Fit-up	5/17/16	5/17/16	0 d	0%	609	611		0 hrs	\$0	\$0	\$0	\$0													
4105	611	1.05.04.01.02.03.13	FNAL(01)	(RISK)-(R3) - MICE-US Shielding Cooling Demonstration Fit-up - Possible Cos	5/18/16	11/16/17	379 d	0%	610		FN_M&S_MITIC	0 hrs	\$82,475	\$82,475	\$107,740	\$107,740													
1804	612	1.05.04.01.02.04		MICE Cooling Demonstration Magnetic Shielding Shipped to UK	5/18/16	7/18/16	42 d	0%				100 hrs	\$0	\$36,800	\$45,637	\$60,034													
1805	613	1.05.04.01.02.04.01	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Shipped to UK (BNL - Resour	5/18/16	6/29/16	30 d	0%	609	614SS,617,621,615	BNL_N_WITTE	100 hrs	\$6,800	\$6,800	\$7,061	\$9,886													
1806	614	1.05.04.01.02.04.02	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding Shipped to UK (FNAL - M&S)	5/18/16	6/29/16	30 d	0%	613SS	615	FN_M&S_STNC	0 hrs	\$30,000	\$30,000	\$38,576	\$50,148													
3853	615	1.05.04.01.02.04.03	BNL(03)	L4 - [Ready] - MICE Cooling Demonstration Magnetic Shielding Shipped to U	6/29/16	6/29/16	0 d	0%	613,614	616FS+12 d		0 hrs	\$0	\$0	\$0	\$0													
3854	616	1.05.04.01.02.04.04	BNL(03)	L4 - [Required] - MICE Cooling Demonstration Magnetic Shielding Shipped to U	7/18/16	7/18/16	0 d	0%	615FS+12 d	617		0 hrs	\$0	\$0	\$0	\$0													
1807	617	1.05.04.01.02.04.05	BNL(03)	L4 - [US Deliverable] - MICE Cooling Demonstration Magnetic Shielding Receiv	7/18/16	7/18/16	0 d	0%	613,616	695,619		0 hrs	\$0	\$0	\$0	\$0													
1808	618	1.05.04.01.02.05		MICE Cooling Demonstration Magnetic Shielding Installation at RAL	5/24/17	3/26/18	209 d	0%				360 hrs	\$0	\$25,000	\$29,291	\$39,683													
1809	619	1.05.04.01.02.05.01	BNL(03)	MICE Cooling Demonstration Magnetic Shielding Installation at RAL (BNL - Re	5/24/17	3/26/18	209 d	0%	617,419FS+40 d	620SS,621	BNL_MECH_TE	360 hrs	\$15,000	\$15,000	\$16,045	\$22,464													
1810	620	1.05.04.01.02.05.02	FNAL(01)	MICE Cooling Demonstration Magnetic Shielding Installation at RAL (FNAL - Re	5/24/17	3/26/18	209 d	0%	619SS	621	FN_M&S_STNC	0 hrs	\$10,000	\$10,000	\$13,246	\$17,220													
1814	621	1.05.04.01.02.06	BNL(03)	L4 - [US Installation Complete(UK)] - MICE Cooling Demonstration Magneti Shiel	9/21/18	9/21/18	0 d	0%	586,591,613,619,620,1	708,672		0 hrs	\$0	\$0	\$0	\$0													
2138	622	1.05.04.01.03		Level 2 - Project Management for MICE Magnetic Shielding	10/1/14	9/29/17	753 d	40%				2,350 hrs	\$0	\$318,220	\$327,776	\$458,887													
2141	623	1.05.04.01.03.01	BNL(03)	FY15 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - F	10/1/14	9/30/15	251 d	100%	28FS-15 d	624SS	BNL_N_WITTE	1,344 hrs	\$198,220	\$198,220	\$201,986	\$282,781													
2142	624	1.05.04.01.03.02	BNL(03)	FY15 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M	10/1/14	9/30/15	251 d	100%	623SS	708		0 hrs	\$0	\$0	\$0	\$0													
2143	625	1.05.04.01.03.03	BNL(03)	FY16 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - F	10/1/15	9/30/16	252 d	42%	29FS-14 d	626SS	BNL_N_WITTE	504 hrs	\$60,000	\$60,000	\$62,304	\$87,226													
2144	626	1.05.04.01.03.04	BNL(03)	FY16 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M	10/1/15	9/30/16	252 d	0%	625SS	708		0 hrs	\$0	\$0	\$0	\$0													
2185	627	1.05.04.01.03.05	BNL(03)	FY17 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - F	10/3/16	9/29/17	250 d	0%	30FS-14 d	628SS	BNL_N_WITTE	502 hrs	\$60,000	\$60,000	\$63,486	\$88,880													
2186	628	1.05.04.01.03.06	BNL(03)	FY17 - Level 2 - Project Management for MICE Magnetic Shielding - LOE (BNL - M	10/3/16	9/29/17	250 d	0%	627SS	708		0 hrs	\$0	\$0	\$0	\$0													
1815	629	1.05.05		MICE Detector Design, Fabrication and Testing and Commissioning	10/3/11	9/29/17	1505 d	46%				240 hrs	\$0	\$58,640	\$66,070	\$89,974													
2146	630	1.05.05.01		MICE Detector Design, Fabrication and Testing - Roll-Up	10/3/11	9/29/17	1505 d	46%				240 hrs	\$0	\$58,640	\$66,070	\$89,974													
1816	631	1.05.05.01.01		MICE Detectors (US Contributions)	10/1/14	9/29/17	753 d	46%				240 hrs	\$0	\$38,640	\$40,834	\$57,167													
1817	632	1.05.05.01.01.01		MICE-US Tracker Detector	10/1/14	9/29/17	753 d	46%				240 hrs	\$0	\$38,640	\$40,834	\$57,167													
1822	633	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	634SS	FNAL_N_RUBII	80 hrs	\$0	\$12,880	\$13,202	\$18,483													
1823	634	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%	633SS	708		0 hrs	\$0	\$0	\$0	\$0													
1824	635	1.05.05.01.01.01.03	FNAL(01)	FY16 - MICE-US Tracker Detector (FNAL - Labor)	10/1/15	9/30/16	252 d	42%	29FS-14 d	636SS	FNAL_N_RUBII	80 hrs	\$0	\$12,880	\$13,599	\$19,038													
1825	636	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	33%	635SS	708		0 hrs	\$0	\$0	\$0	\$0													
1826	637	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	638SS	FNAL_N_RUBII	80 hrs	\$0	\$12,880	\$14,033	\$19,646													
1827	638	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%	637SS	708		0 hrs	\$0	\$0	\$0	\$0													
1835	639	1.05.05.01.02		MICE Absorbers (US Contributions) - Roll-Up	10/3/11	11/22/16	1292 d	47%				0 hrs	\$0	\$20,000	\$25,237	\$32,808													
1836	640	1.05.05.01.02.01		MICE-US LiH Disk Fabrication	10/3/11	4/4/12	126 d	100%				0 hrs	\$0	\$0	\$0	\$0													
1837	641	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	642SS,643		0 hrs	\$0	\$0	\$0	\$0													
1838	642	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%	641SS	643		0 hrs	\$0	\$0	\$0	\$0													
3784	643	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%	641,642	644FS+1 d		0 hrs	\$0	\$0	\$0	\$0													
3785	644	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%	643FS+1 d	646		0 hrs	\$0	\$0	\$0	\$0													
1839	645	1.05.05.01.02.02		MICE-US LiH Disk Shipping to RAL	8/15/14	11/14/14	64 d	100%				0 hrs	\$0	\$20,000	\$25,237	\$32,808													

