AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO. 0140

3. EFFECTIVE DATE 04/29/2014

4. REQUISITION/PURCHASE REQ. NO. 14SC001544

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE 06006

Fermi Site Office
U.S. Department of Energy
Fermi Site Office
P.O. Box 2000
Batavia IL 60510

7. ADMINISTERED BY *(If other than Item 6)* CODE 06006

Fermi Site Office
U.S. Department of Energy
Fermi Site Office
P.O. Box 2000
Batavia IL 60510

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

FERMI RESEARCH ALLIANCE, LLC
Attn: KAREN BORMANN
FERMI RESEARCH ALLIANCE, LLC
PINE ST. AND KIRK RD, MS-213
BATAVIA IL 605105011

CODE 626399831 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC02-07CH11359

10B. DATED *(SEE ITEM 13)* 11/01/2006

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)* Net Increase: $54,396,563.07
SEE APPROVED FUNDING PROGRAM NO. 12; ATTACHED; DATED 4/25/2014

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Part II, Section I, Clause I. 119 - DEAR 970.5232-4, OBLIGATION OF FUNDS (DEC 2000)
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return 0 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

As provided in paragraph (a) of Part II, Section I, Clause I.119 - DEAR 970.5232-4, OBLIGATION OF FUNDS (DEC 2000) of the subject contract as initially awarded, the amount obligated hereunder is increased by $54,396,563.07, from a total of $3,219,268,282.47, to a total of $3,273,664,845.54.
FOB: Destination
Period of Performance: 01/01/2007 to 12/31/2016

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
Rory S. Simpson

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
Signature on File
(Signature of Contracting Officer)

16C. DATE SIGNED 04/29/2014

CHICAGO OPERATIONS OFFICE
FY 2014 APPROVED FUNDING PROGRAM NO. 12
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
SUMMARY

	BUDGET AUTHORITY (BA)				
	BEGINNING UNCOSTED OBLIGATIONS	NEW BA			TOTAL AVAILABLE
		PREVIOUS	CHANGE	REVISED	
OPERATING EXPENSES	104,830,634.72	224,593,101.11	39,772,058.00	264,365,159.11	369,195,793.83
CAPITAL EQUIPMENT	25,099,051.02	11,898,499.95	2,241,500.00	14,139,999.95	39,239,050.97
CONSTRUCTION	40,290,644.15	69,916,411.00	11,946,742.00	81,863,153.00	122,153,797.15
REIMBURSABLE WORK	403,549.08	336,175.84	436,263.07	772,438.91	1,175,987.99
GRAND TOTAL	170,623,878.97	306,744,187.90	54,396,563.07	361,140,750.97	531,764,629.94

Certification of Funds Availability:

Certifying Official 4-25-14
Date

CHICAGO OPERATIONS OFFICE
FY 2014 APPROVED FUNDING PROGRAM NO. 12
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
HQ B&R CONTROL SUMMARY

APPROPRIATION YEAR FT	HQ B&R CONTROL	BUDGET REFERENCE NUMBER	BUDGET AUTHORITY (BA) BEGINNING UNCOSTED OBLIGATIONS	NEW BA PREVIOUS	NEW BA CHANGE	NEW BA REVISED	TOTAL AVAILABLE
8909/100227 2009 Science, Science, Recovery Act							
WO	KA-00-00-00-0	KA0000000, High Energy Physics	1,921,738.60	(9,178.85)	0.00	(9,178.85)	1,912,559.75
89120243 2012 Other Defense Activities Non-Program Directi							
U2	HQ-00-00-00-0	HQ0000000	452.89	0.00	0.00	0.00	452.89
89140243 2014 Other Defense Activities							
10	HQ-00-00-00-0	HQ0000000	0.00	0.00	0.00	0.00	0.00
89X0222 2005 General Science and Research Activities, Oper							
WA	KA-00-00-00-0	KA0000000, High Energy Physics	205,161.36	0.00	0.00	0.00	205,161.36
	KS-01-00-00-0	KS0100000 - Research, Development And Operations	142,493.76	0.00	0.00	0.00	142,493.76
89X0222 2008 General Science and Research Activities, Oper							
	KA-00-00-00-0	KA0000000, High Energy Physics	81,080.21	0.00	0.00	0.00	81,080.21
89X0222 2009 General Science and Research Activities, Reim							
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	0.08	0.00	0.00	0.00	0.08
WA	KA-00-00-00-0	KA0000000, High Energy Physics	484,488.09	0.00	0.00	0.00	484,488.09
89X0222 2010 General Science and Research Activities, Reim							
3W	40-00-00-00-0	400000000 - Cost Of Reimbursable Work And Cooperative Work -	8,092.80	0.00	0.00	0.00	8,092.80
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	97,488.06	0.00	0.00	0.00	97,488.06
WA	FS-10-00-00-0	FS1000000 - Safeguards and Security - Science	71,862.97	0.00	0.00	0.00	71,862.97
	KA-00-00-00-0	KA0000000, High Energy Physics	127.99	0.00	0.00	0.00	127.99
	KC-00-00-00-0	KC0000000, Basic Energy Sciences	9,785.34	(9,785.34)	0.00	(9,785.34)	0.00
	KL-00-00-00-0	KL0000000 - Workforce Development for Teachers and Scientist	25,000.00	0.00	0.00	0.00	25,000.00
89X0222 2011 General Science and Research Activities, Reim							
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	3,666.32	0.00	0.00	0.00	3,666.32
WA	KA-00-00-00-0	KA0000000, High Energy Physics	6,437,986.18	(0.75)	0.00	(0.75)	6,437,985.43
	KB-00-00-00-0	KB0000000 - Nuclear Physics	6,645.20	0.00	0.00	0.00	6,645.20
	KC-00-00-00-0	KC0000000, Basic Energy Sciences	11,823.80	0.00	0.00	0.00	11,823.80
	KJ-00-00-00-0	KJ0000000 - Advanced Scientific Computing Research	146,472.30	0.00	0.00	0.00	146,472.30
89X0222 2012 General Science and Research Activities, Oper							
	39-KA-00-00-0 PRN11SC40000	39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE	1,462,125.98	0.00	0.00	0.00	1,462,125.98
	39-KA-00-00-0 PRN11SC41000	39KA00000PRN11SC41000, Muon to Electron Coversion Experiment	9,346,916.24	0.00	0.00	0.00	9,346,916.24
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	48,921.31	(43,555.98)	0.00	(43,555.98)	5,365.33
WA	KA-00-00-00-0	KA0000000, High Energy Physics	10,266,070.12	0.00	0.00	0.00	10,266,070.12
	KB-00-00-00-0	KB0000000 - Nuclear Physics	187,562.84	0.00	0.00	0.00	187,562.84
	KC-00-00-00-0	KC0000000, Basic Energy Sciences	35,000.00	0.00	0.00	0.00	35,000.00
	KJ-00-00-00-0	KJ0000000 - Advanced Scientific Computing Research	47,720.15	0.00	0.00	0.00	47,720.15

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89X0222 2013 General Science and Research Activities, Oper								
WA	39-KA-00-00-0	PRN11SC40000	39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE	3,180,793.00	0.00	0.00	0.00	3,180,793.00
	39-KA-00-00-0	PRN11SC41000	39KA00000PRN11SC41000, Muon to Electron Coversion Experiment	8,000,000.00	0.00	0.00	0.00	8,000,000.00
2W	60-00-00-00-0		600000000 - Cost Of Reimbursable And Cooperative Work - Non-	245,380.51	(145,097.01)	0.00	(145,097.01)	100,283.50
WA	FS-10-00-00-0		FS1000000 - Safeguards and Security - Science	1,305,182.36	0.00	0.00	0.00	1,305,182.36
	KA-00-00-00-0		KA0000000, High Energy Physics	125,777,084.78	0.00	0.00	0.00	125,777,084.78
	KB-00-00-00-0		KB0000000 - Nuclear Physics	456,324.00	0.00	0.00	0.00	456,324.00
	KC-00-00-00-0		KC0000000, Basic Energy Sciences	45,000.00	0.00	0.00	0.00	45,000.00
	KJ-00-00-00-0		KJ0000000 - Advanced Scientific Computing Research	555,274.21	0.00	0.00	0.00	555,274.21
	KL-00-00-00-0		KL0000000 - Workforce Development for Teachers and Scientist	8,334.21	0.00	0.00	0.00	8,334.21
89X0222 2014 General Science and Research Activities, Oper								
	39-KA-00-00-0	PRN11SC40000	39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE	0.00	9,921,134.00	2,370,245.00	12,291,379.00	12,291,379.00
	39-KA-00-00-0	PRN11SC41000	39KA00000PRN11SC41000, Muon to Electron Coversion Experiment	0.00	15,000,000.00	0.00	15,000,000.00	15,000,000.00
	39-KG-02-00-0	PRN13SC70000	39KG02000PRN13SC70000, Utilities Upgrade at FNAL	0.00	26,793,677.00	5,170,097.00	31,963,774.00	31,963,774.00
2W	60-00-00-00-0		600000000 - Cost Of Reimbursable And Cooperative Work - Non-	0.00	524,828.83	436,263.07	961,091.90	961,091.90
WA	FS-10-00-00-0		FS1000000 - Safeguards and Security - Science	0.00	2,635,000.00	594,000.00	3,229,000.00	3,229,000.00
	KA-00-00-00-0		KA0000000, High Energy Physics	0.00	251,160,000.00	45,278,480.00	296,438,480.00	296,438,480.00
	KB-00-00-00-0		KB0000000 - Nuclear Physics	0.00	212,166.00	44,478.00	256,644.00	256,644.00
	KC-00-00-00-0		KC0000000, Basic Energy Sciences	0.00	45,000.00	0.00	45,000.00	45,000.00
	KJ-00-00-00-0		KJ0000000 - Advanced Scientific Computing Research	0.00	458,000.00	0.00	458,000.00	458,000.00
	KL-00-00-00-0		KL0000000 - Workforce Development for Teachers and Scientist	0.00	197,000.00	500,000.00	697,000.00	697,000.00
89X0243 2010 Materials Production and Other Defense Progra								
TF	HQ-00-00-00-0		HQ0000000	1,823.31	0.00	0.00	0.00	1,823.31
89X0243 2014 Materials Production and Other Defense Progra								
	HQ-00-00-00-0		HQ0000000	0.00	5,000.00	3,000.00	8,000.00	8,000.00

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OPERATING EXPENSES									
10	HQ-10-01-00-0	2014	25400	HQ1001000, Worker Advocacy	0.00	0.00	0.00	0.00	0.00
TF		2010	25400	HQ1001000, Worker Advocacy	1,823.31	0.00	0.00	0.00	1,823.31
		2014	25400	HQ1001000, Worker Advocacy	0.00	5,000.00	3,000.00	8,000.00	8,000.00
U2		2012	25400	HQ1001000, Worker Advocacy	452.89	0.00	0.00	0.00	452.89
WA	FS-10-01-00-0	2013	25400	FS1001000, Protective Forces	702,945.41	0.00	0.00	0.00	702,945.41
		2014	25400	FS1001000, Protective Forces	0.00	1,275,000.00	246,000.00	1,521,000.00	1,521,000.00
	FS-10-02-00-0	2013	25400	FS1002000, Security Systems	426,485.96	0.00	0.00	0.00	426,485.96
		2014	25400	FS1002000, Security Systems	0.00	429,000.00	168,000.00	597,000.00	597,000.00
	EQU	2010	31003	FS1002000, Security Systems	71,862.97	0.00	0.00	0.00	71,862.97
	FS-10-05-00-0	2013	25400	FS1005000, Cyber Security	134,851.26	0.00	0.00	0.00	134,851.26
		2014	25400	FS1005000, Cyber Security	0.00	735,000.00	141,000.00	876,000.00	876,000.00
	FS-10-07-00-0	2013	25400	FS1007000, Material Control and Accountability	32,245.14	0.00	0.00	0.00	32,245.14
		2014	25400	FS1007000, Material Control and Accountability	0.00	46,000.00	9,000.00	55,000.00	55,000.00
	FS-10-09-00-0	2013	25400	FS1009000, Program Management	8,654.59	0.00	0.00	0.00	8,654.59
		2014	25400	FS1009000, Program Management	0.00	150,000.00	30,000.00	180,000.00	180,000.00
	KA-11-01-03-0	2011	25400	KA1101030, University Service Accounts	0.71	(0.71)	0.00	(0.71)	0.00
	KA-11-02-02-3	2011	25400	KA1102023, Other Tevatron Support Costs	1,343.17	0.00	0.00	0.00	1,343.17
	EQU	2011	31003	KA1102023, Other Tevatron Support Costs	633.61	0.00	0.00	0.00	633.61
	KA-11-02-03-3 EQUMIE81SB	2009	31001	KA1102033, Proton Facilities - Projects, Current Facility Pr	3,380.77	0.00	0.00	0.00	3,380.77
	KA-11-02-03-4	2012	25400	KA1102034, Proton Facilities - Projects, Future Facility R&D	72,739.14	0.00	0.00	0.00	72,739.14
	KA-11-02-05-4	2011	25400	KA1102054, Proton Facilities - LHC Support, ATLAS Detector &	276.71	0.00	0.00	0.00	276.71
	KA-11-02-05-5 EQU	2011	31003	KA1102055, Proton Facilities - LHC Support, CMS Detector & C	1,972,811.49	0.00	0.00	0.00	1,972,811.49
	KA-12-01-02-0	2011	25400	KA1201020, National Laboratory Research	37,092.45	0.00	0.00	0.00	37,092.45
	KA-13-01-03-0	2008	25400	KA1301030, Projects	81,080.21	0.00	0.00	0.00	81,080.21
	KA-13-01-03-1 EQUMIE81SA	2011	31001	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	0.04	(0.04)	0.00	(0.04)	0.00
	EQUMIE91UH	2010	31001	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	127.99	0.00	0.00	0.00	127.99
	KA-14-01-04-0	2012	25400	KA1401040, Other	69,065.33	0.00	0.00	0.00	69,065.33
	KA-15-02-02-1	2012	25400	KA1502021, Advanced Technology Research, Accelerator Develop	487,651.07	0.00	0.00	0.00	487,651.07
	KA-15-02-02-3	2012	25400	KA1502023, Advanced Technology Research, Accelerator Develop	511,013.61	0.00	0.00	0.00	511,013.61
	KA-21-01-02-0	2013	25400	KA2101020, National Laboratories	4,736,156.94	0.00	0.00	0.00	4,736,156.94
		2014	25400	KA2101020, National Laboratories	0.00	14,052,650.00	2,347,910.00	16,400,560.00	16,400,560.00
	OPEMIE30YB	2013	25400	KA2101020, National Laboratories	71,117.76	0.00	0.00	0.00	71,117.76
	OPEMIE30YB	2014	25400	KA2101020, National Laboratories	0.00	5,925,000.00	0.00	5,925,000.00	5,925,000.00
	KA-21-01-03-0	2012	25400	KA2101030, University Service Accounts	191,436.17	0.00	0.00	0.00	191,436.17
		2013	25400	KA2101030, University Service Accounts	501,000.00	0.00	0.00	0.00	501,000.00
		2014	25400	KA2101030, University Service Accounts	0.00	15,000.00	0.00	15,000.00	15,000.00
	KA-21-02-02-2	2013	25400	KA2102022, CMS Detector and Computing Support	14,909,348.91	0.00	0.00	0.00	14,909,348.91
		2014	25400	KA2102022, CMS Detector and Computing Support	0.00	21,217,000.00	3,951,000.00	25,168,000.00	25,168,000.00

CHICAGO OPERATIONS OFFICE
FY 2014 APPROVED FUNDING PROGRAM NO. 12
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
DETAIL

FT	B&R REPORTING/BUD REF NUM		APPR YEAR	OBJ CLASS	BUDGET AUTHORITY (BA) BEGINNING UNCOSTED OBLIGATIONS	NEW BA PREVIOUS	NEW BA CHANGE	NEW BA REVISED	TOTAL AVAILABLE
	KA-22-01-02-0		2013	25400 KA2201020, National Laboratories	4,358,276.00	0.00	0.00	0.00	4,358,276.00
			2014	25400 KA2201020, National Laboratories	0.00	11,289,600.00	1,656,000.00	12,945,600.00	12,945,600.00
	KA-22-01-03-0		2013	25400 KA2201030, University Service Accounts	431,231.12	0.00	0.00	0.00	431,231.12
WA	KA-22-01-03-0		2014	25400 KA2201030, University Service Accounts	0.00	130,000.00	245,000.00	375,000.00	375,000.00
	KA-22-02-02-1		2013	25400 KA2202021, Accelerator Operations	16,138,731.83	0.00	0.00	0.00	16,138,731.83
			2014	25400 KA2202021, Accelerator Operations	0.00	49,425,800.00	9,396,920.00	58,822,720.00	58,822,720.00
		AIP	2013	32003 KA2202021, Accelerator Operations	1,557,609.34	0.00	0.00	0.00	1,557,609.34
		AIP	2014	32003 KA2202021, Accelerator Operations	0.00	7,690,000.00	2,510,000.00	10,200,000.00	10,200,000.00
		EQU	2012	31003 KA2202021, Accelerator Operations	829,449.26	0.00	0.00	0.00	829,449.26
		EQU	2013	31003 KA2202021, Accelerator Operations	1,111,946.94	0.00	0.00	0.00	1,111,946.94
		EQU	2014	31003 KA2202021, Accelerator Operations	0.00	8,294,000.00	1,386,000.00	9,680,000.00	9,680,000.00
	KA-22-02-02-2		2013	25400 KA2202022, Detector and Computing	14,459,125.31	0.00	0.00	0.00	14,459,125.31
			2014	25400 KA2202022, Detector and Computing	0.00	26,707,450.00	4,650,030.00	31,357,480.00	31,357,480.00
		EQU	2011	31003 KA2202022, Detector and Computing	330,834.89	0.00	0.00	0.00	330,834.89
	KA-22-02-02-3		2013	25400 KA2202023, Other Complex Support	400,000.00	0.00	0.00	0.00	400,000.00
		GPP	2013	32002 KA2202023, Other Complex Support	16,736,176.96	0.00	0.00	0.00	16,736,176.96
		GPP	2014	32002 KA2202023, Other Complex Support	0.00	10,511,600.00	1,896,400.00	12,408,000.00	12,408,000.00
	KA-22-02-81-1		2009	25400 KA2202811, Special Process Spares	436,265.10	0.00	0.00	0.00	436,265.10
			2011	25400 KA2202811, Special Process Spares	2,810,279.03	0.00	0.00	0.00	2,810,279.03
			2012	25400 KA2202811, Special Process Spares	1,000,000.00	0.00	0.00	0.00	1,000,000.00
			2013	25400 KA2202811, Special Process Spares	863,000.00	0.00	0.00	0.00	863,000.00
			2014	25400 KA2202811, Special Process Spares	0.00	3,242,000.00	542,000.00	3,784,000.00	3,784,000.00
	KA-22-02-81-2		2005	25400 KA2202812, Common Use Stores	205,161.36	0.00	0.00	0.00	205,161.36
	KA-22-03-01-1	EQUMIE01VK	2013	31001 KA2203011, MIE	2,312,983.63	0.00	0.00	0.00	2,312,983.63
		EQUMIE30YC	2014	31001 KA2203011, MIE	0.00	1,500,000.00	260,000.00	1,760,000.00	1,760,000.00
		EQUMIE71RF	2011	31001 KA2203011, MIE	0.00	900,000.00	0.00	900,000.00	900,000.00
		EQUMIE71RF	2012	31001 KA2203011, MIE	6,136,592.12	0.00	0.00	0.00	6,136,592.12
		EQUMIE71RF	2013	31001 KA2203011, MIE	11,421,124.00	0.00	0.00	0.00	11,421,124.00
		OPEMIE01VK	2011	25400 KA2203011, MIE	284,714.08	0.00	0.00	0.00	284,714.08
		OPEMIE30YC	2013	25400 KA2203011, MIE	645,633.10	0.00	0.00	0.00	645,633.10
		OPEMIE30YC	2014	25400 KA2203011, MIE	0.00	8,400,000.00	0.00	8,400,000.00	8,400,000.00
		OPEMIE71RF	2009	25400 KA2203011, MIE	44,842.22	0.00	0.00	0.00	44,842.22
		OPEMIE71RF	2011	25400 KA2203011, MIE	1,000,000.00	(900,000.00)	0.00	(900,000.00)	100,000.00
	KA-22-03-01-2	OPELBNE	2013	25400 KA2203012, Line Item OPC	3,900,249.69	(157,500.00)	0.00	(157,500.00)	3,742,749.69
		OPELBNE	2014	25400 KA2203012, Line Item OPC	0.00	5,965,500.00	1,264,020.00	7,229,520.00	7,229,520.00
		OPEMu2E	2012	25400 KA2203012, Line Item OPC	968,123.42	0.00	0.00	0.00	968,123.42
		OPEMu2E	2013	25400 KA2203012, Line Item OPC	2,239,566.86	157,500.00	0.00	157,500.00	2,397,066.86
	KA-22-03-02-0		2013	25400 KA2203020, Future Project R&D	1,495,340.71	0.00	0.00	0.00	1,495,340.71
			2014	25400 KA2203020, Future Project R&D	0.00	6,786,000.00	1,134,000.00	7,920,000.00	7,920,000.00
	KA-23-01-02-0		2013	25400 KA2301020, National Laboratories	2,412,244.15	0.00	0.00	0.00	2,412,244.15
			2014	25400 KA2301020, National Laboratories	0.00	7,023,750.00	1,173,450.00	8,197,200.00	8,197,200.00
	KA-23-02-01-0		2013	25400 KA2302010, Experimental Operations and Support	2,766,200.87	0.00	0.00	0.00	2,766,200.87
			2014	25400 KA2302010, Experimental Operations and Support	0.00	2,262,000.00	378,000.00	2,640,000.00	2,640,000.00
	KA-23-03-02-0		2013	25400 KA2303020, Future Project R&D	1,729,800.55	0.00	0.00	0.00	1,729,800.55

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		2014 25400	KA2303020, Future Project R&D	0.00	670,000.00	705,000.00	1,375,000.00	1,375,000.00
	KA-24-01-01-2	2013 25400	KA2401012, National Laboratories	1,528,888.73	0.00	0.00	0.00	1,528,888.73
		2014 25400	KA2401012, National Laboratories	0.00	7,314,000.00	1,398,000.00	8,712,000.00	8,712,000.00
WA	KA-24-01-01-9	2013 25400	KA2401019, Other Research	385,531.98	0.00	0.00	0.00	385,531.98
	KA-24-01-02-1	2013 25400	KA2401021, Scientific Discovery through Advanced Computing (	2,363,811.67	0.00	0.00	0.00	2,363,811.67
		2014 25400	KA2401021, Scientific Discovery through Advanced Computing (	0.00	1,039,500.00	993,300.00	2,032,800.00	2,032,800.00
	KA-24-01-02-2	2013 25400	KA2401022, Scientific Computing	539,859.39	0.00	0.00	0.00	539,859.39
		2014 25400	KA2401022, Scientific Computing	0.00	429,500.00	72,100.00	501,600.00	501,600.00
	KA-24-03-01-3	2013 25400	KA2403013, Other Projects	330,125.76	0.00	0.00	0.00	330,125.76
		2014 25400	KA2403013, Other Projects	0.00	1,076,750.00	78,250.00	1,155,000.00	1,155,000.00
	EQU	2013 31003	KA2403013, Other Projects	847.76	0.00	0.00	0.00	847.76
	EQU	2014 31003	KA2403013, Other Projects	0.00	1,204,500.00	595,500.00	1,800,000.00	1,800,000.00
	KA-25-01-01-2	2013 25400	KA2501012, National Laboratories	5,203,778.54	0.00	0.00	0.00	5,203,778.54
		2014 25400	KA2501012, National Laboratories	0.00	14,410,900.00	3,500,060.00	17,910,960.00	17,910,960.00
	KA-25-01-02-1	2013 25400	KA2501021, LHC Accelerator Research	2,016,360.91	0.00	0.00	0.00	2,016,360.91
		2014 25400	KA2501021, LHC Accelerator Research	0.00	3,242,000.00	667,840.00	3,909,840.00	3,909,840.00
	KA-25-01-02-2	2013 25400	KA2501022, Muon Accelerators	2,055,852.85	0.00	0.00	0.00	2,055,852.85
		2014 25400	KA2501022, Muon Accelerators	0.00	6,612,500.00	924,700.00	7,537,200.00	7,537,200.00
	KA-25-01-03-2	2013 25400	KA2501032, National Laboratories	3,927,997.62	0.00	0.00	0.00	3,927,997.62
		2014 25400	KA2501032, National Laboratories	0.00	6,371,500.00	1,064,500.00	7,436,000.00	7,436,000.00
	KA-25-02-01-0	2013 25400	KA2502010, Accelerator Infrastructure and Test Facilities	2,227,164.90	0.00	0.00	0.00	2,227,164.90
		2014 25400	KA2502010, Accelerator Infrastructure and Test Facilities	0.00	14,891,500.00	2,488,500.00	17,380,000.00	17,380,000.00
	KA-25-02-02-0	2014 25400	KA2502020, Detector Infrastructure and Test Facilities	0.00	3,460,000.00	0.00	3,460,000.00	3,460,000.00
	KB-02-01-02-2	2012 25400	KB0201022, Other National Laboratory Research	488.62	0.00	0.00	0.00	488.62
	KB-02-01-05-2	2012 25400	KB0201052, Heavy Ion Accelerator R&D Natl Lab Research	187,074.22	0.00	0.00	0.00	187,074.22
		2013 25400	KB0201052, Heavy Ion Accelerator R&D Natl Lab Research	456,324.00	0.00	0.00	0.00	456,324.00
	KB-03-01-02-0	2011 25400	KB0301020, National Laboratory Research	6,645.20	0.00	0.00	0.00	6,645.20
		2014 25400	KB0301020, National Laboratory Research	0.00	212,166.00	44,478.00	256,644.00	256,644.00
	KC-02-02-01-0	2010 25400	KC0202010, X-Ray and Neutron Scattering Research	9,785.34	(9,785.34)	0.00	(9,785.34)	0.00
	KC-04-06-02-0	2011 25400	KC0406020, Accelerator and Detector Research	11,823.80	0.00	0.00	0.00	11,823.80
		2012 25400	KC0406020, Accelerator and Detector Research	35,000.00	0.00	0.00	0.00	35,000.00
		2013 25400	KC0406020, Accelerator and Detector Research	45,000.00	0.00	0.00	0.00	45,000.00
		2014 25400	KC0406020, Accelerator and Detector Research	0.00	45,000.00	0.00	45,000.00	45,000.00
	KJ-04-03-00-0	2012 25400	KJ0403000, Computational Partnerships	47,720.15	0.00	0.00	0.00	47,720.15
		2013 25400	KJ0403000, Computational Partnerships	102,050.00	0.00	0.00	0.00	102,050.00
		2014 25400	KJ0403000, Computational Partnerships	0.00	90,000.00	0.00	90,000.00	90,000.00
	KJ-04-04-00-0	2011 25400	KJ0404000, Next Generation Networking for Science	146,472.30	0.00	0.00	0.00	146,472.30
		2013 25400	KJ0404000, Next Generation Networking for Science	368,000.00	0.00	0.00	0.00	368,000.00
		2014 25400	KJ0404000, Next Generation Networking for Science	0.00	368,000.00	0.00	368,000.00	368,000.00
	KJ-05-04-00-0	2013 25400	KJ0504000, High Performance Network Facilities and Testbeds	85,224.21	0.00	0.00	0.00	85,224.21
	KL-10-01-00-0	2013 25400	KL1001000, Science Undergraduate Laboratory Internship	7,870.28	0.00	0.00	0.00	7,870.28
		2014 25400	KL1001000, Science Undergraduate Laboratory Internship	0.00	80,000.00	0.00	80,000.00	80,000.00
	KL-10-02-00-0	2013 25400	KL1002000, Community College Internship Program	458.18	0.00	0.00	0.00	458.18
		2014 25400	KL1002000, Community College Internship Program	0.00	60,000.00	0.00	60,000.00	60,000.00

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	KL-10-03-00-0	2013	25400 KL1003000, Visiting Faculty Program	5.75	0.00	0.00	0.00	5.75
		2014	25400 KL1003000, Visiting Faculty Program	0.00	57,000.00	0.00	57,000.00	57,000.00
	KL-11-02-00-0	2010	25400 KL1102000, DOE Office of Science Graduate Fellowship	25,000.00	0.00	0.00	0.00	25,000.00
WA	KL-15-00-00-0	2014	25400 KL1500000, Outreach	0.00	0.00	500,000.00	500,000.00	500,000.00
	KS-01-01-00-0	2005	25400 KS0101000, Accelerator and Experimental Facilities Research	142,493.76	0.00	0.00	0.00	142,493.76

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OPERATING EXPENSES (ENVIRONMENTAL)									
WO	KA-11-02-03-3	2009	31001	KA1102033, Proton Facilities - Projects, Current Facility Pr					
	2005120			NOvA MIE Fully fund the cooperative agreement with the Unive	0.01	(0.01)	0.00	(0.01)	0.00
	KA-15-02-01-1	2009	25400	KA1502011, Advanced Technology Research, Accelerator Develop					
	2005170			Advanced technology R&D augmentation	9,178.84	(9,178.84)	0.00	(9,178.84)	0.00
	KA-15-02-01-2	2009	25400	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	999,081.58	0.00	0.00	0.00	999,081.58
			31001	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	884,262.02	0.00	0.00	0.00	884,262.02
			31003	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	22,193.52	0.00	0.00	0.00	22,193.52
			32002	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	7,022.63	0.00	0.00	0.00	7,022.63

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CONSTRUCTION					
WA 39-KA-00-00-0 2012 39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE					
PRN11SC40000/32001	1,462,125.98	0.00	0.00	0.00	1,462,125.98
2012 39KA00000PRN11SC41000, Muon to Electron Conversion Experimen					
PRN11SC41000/32001	9,346,916.24	0.00	0.00	0.00	9,346,916.24
2013 39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE					
PRN11SC40000/32001	3,180,793.00	0.00	0.00	0.00	3,180,793.00
2013 39KA00000PRN11SC41000, Muon to Electron Conversion Experimen					
PRN11SC41000/32001	8,000,000.00	0.00	0.00	0.00	8,000,000.00
2014 39KA00000PRN11SC40000, Long Baseline Neutrino Experiment (PE					
PRN11SC40000/32001	0.00	9,921,134.00	2,370,245.00	12,291,379.00	12,291,379.00
2014 39KA00000PRN11SC41000, Muon to Electron Conversion Experimen					
PRN11SC41000/32001	0.00	15,000,000.00	0.00	15,000,000.00	15,000,000.00
39-KG-02-00-0 2014 39KG02000PRN13SC70000, Utilities Upgrade at FNAL					
PRN13SC70000/32001	0.00	26,793,677.00	5,170,097.00	31,963,774.00	31,963,774.00

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REIMBURSABLE WORK									
2W	60-03-03-00-0	2009	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRCRADA20060002			CHAGRCRADA20060002	0.08	0.00	0.00	0.00	0.08
				TOTAL B&R REPORTING 60-03-03-00-0	0.08	0.00	0.00	0.00	0.08
	60-03-03-00-0	2010	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRWFO20100002			CHAGRWFO20100002	97,488.06	0.00	0.00	0.00	97,488.06
				TOTAL B&R REPORTING 60-03-03-00-0	97,488.06	0.00	0.00	0.00	97,488.06
	60-03-03-00-0	2011	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRWFO02001			CH AGRWFO02001	3,666.32	0.00	0.00	0.00	3,666.32
				TOTAL B&R REPORTING 60-03-03-00-0	3,666.32	0.00	0.00	0.00	3,666.32
	60-03-03-00-0	2012	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRCRADA20060003			CHAGRCRADA20060003	9,075.79	(9,075.79)	0.00	(9,075.79)	0.00
	AGRCRADA20110002			CHAGRCRADA20110002	3,206.86	0.00	0.00	0.00	3,206.86
	AGRCRADA20110005			CHAGRCRADA20110005	23,123.93	(23,123.93)	0.00	(23,123.93)	0.00
	AGRCRADA20110006			CHAGRCRADA20110006	6,935.13	(6,935.13)	0.00	(6,935.13)	0.00
	AGRWFO02001			CH AGRWFO02001	2,158.47	0.00	0.00	0.00	2,158.47
	AGRWFO20110002			CHAGRWFO20110002	1,681.26	(1,681.26)	0.00	(1,681.26)	0.00
				TOTAL B&R REPORTING 60-03-03-00-0	46,181.44	(40,816.11)	0.00	(40,816.11)	5,365.33
	60-03-03-00-0	2013	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRCRADA20110003			CHAGRCRADA20110003	27,000.00	(27,000.00)	0.00	(27,000.00)	0.00
	AGRCRADA20120001			CHAGRCRADA20120001	33,000.00	0.00	0.00	0.00	33,000.00
	AGRWFO04001			CHAGRWFO04001	33,299.54	(33,299.54)	0.00	(33,299.54)	0.00
	AGRWFO20110003			CHAGRWFO20110003	3,025.59	0.00	0.00	0.00	3,025.59
				TOTAL B&R REPORTING 60-03-03-00-0	96,325.13	(60,299.54)	0.00	(60,299.54)	36,025.59
	60-03-03-00-0	2014	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRCRADA20120001			CHAGRCRADA20120001	0.00	0.00	1,756.19	1,756.19	1,756.19
	AGRCRADA20130002			CHAGRCRADA20130002	0.00	0.00	179,300.00	179,300.00	179,300.00

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	AGRCRADA20130006			CHAGRCRADA20130006	0.00	0.00	25,000.00	25,000.00	25,000.00
	AGRCRADA20140002			CHAGRCRADA20140002	0.00	0.00	97,087.00	97,087.00	97,087.00
	AGRWFO02001			CH AGRWFO02001	0.00	996.69	0.00	996.69	996.69
2W	60-03-03-00-0	2014	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRWFO20130002			CHAGRWFO20130002	0.00	56,189.83	0.00	56,189.83	56,189.83
	AGRWFO20130003			CHAGRWFO20130003	0.00	41,918.00	0.00	41,918.00	41,918.00
	AGRWFO20130006			CHAGRWFO20130006	0.00	12,718.00	0.00	12,718.00	12,718.00
	AGRWFO20130008			CHAGRWFO20130008	0.00	9,790.85	0.00	9,790.85	9,790.85
	AGRWFO20130010			CHAGRWFO20130010	0.00	3,690.00	(1,098.48)	2,591.52	2,591.52
	AGRWFO20140003			CHAGRWFO20140003	0.00	0.00	59,000.00	59,000.00	59,000.00
	AGRWFO20140004			CHAGRWFO20140004	0.00	0.00	13,084.68	13,084.68	13,084.68
				TOTAL B&R REPORTING 60-03-03-00-0	0.00	125,303.37	374,129.39	499,432.76	499,432.76
	60-03-05-00-0	2012	25400	600305000, Universities and Institutes					
	AGRWFO20100001			CHAGRWFO20100001	2,739.87	(2,739.87)	0.00	(2,739.87)	0.00
				TOTAL B&R REPORTING 60-03-05-00-0	2,739.87	(2,739.87)	0.00	(2,739.87)	0.00
	60-03-05-00-0	2013	25400	600305000, Universities and Institutes					
	AGRCRADA20130001			CHAGRCRADA20130001	49,244.40	0.00	0.00	0.00	49,244.40
			25400	600305000, Universities and Institutes					
	AGRWFO20100001			CHAGRWFO20100001	84,797.47	(84,797.47)	0.00	(84,797.47)	0.00
	AGRWFO20110001			CHAGRWFO20110001	15,013.51	0.00	0.00	0.00	15,013.51
				TOTAL B&R REPORTING 60-03-05-00-0	149,055.38	(84,797.47)	0.00	(84,797.47)	64,257.91
	60-03-05-00-0	2014	25400	600305000, Universities and Institutes					
	AGRCRADA20110001			CHAGRCRADA20110001	0.00	173,192.96	0.00	173,192.96	173,192.96
	AGRCRADA20130001			CHAGRCRADA20130001	0.00	3,000.00	0.00	3,000.00	3,000.00
	AGRWFO20110001			CHAGRWFO20110001	0.00	27,500.00	0.00	27,500.00	27,500.00
	AGRWFO20130004			CHAGRWFO20130004	0.00	81,398.10	46,673.40	128,071.50	128,071.50
	AGRWFO20130012			CHAGRWFO20130012	0.00	114,434.40	15,460.28	129,894.68	129,894.68
				TOTAL B&R REPORTING 60-03-05-00-0	0.00	399,525.46	62,133.68	461,659.14	461,659.14
3W	40-04-09-90-0	2010	25400	400409900, Other					
	AGRNNG10FC45I			CHAGRNNG10FC45I	8,092.80	0.00	0.00	0.00	8,092.80
				TOTAL B&R REPORTING 40-04-09-90-0	8,092.80	0.00	0.00	0.00	8,092.80