Department of Energy
Fermi Site Office
Post Office Box 2000
Batavia, Illinois 60510

MAY 25 2011

Mr. Gary M. Leonard, General Counsel
Fermilab
P.O. Box 500
Batavia, IL 60510

Dear Mr. Leonard:

SUBJECT: MODIFICATION NO. 084 TO U.S. DEPARTMENT OF ENERGY CONTRACT NO. DE-AC02-07CH11359

Enclosed for your records is a signed copy of the subject contract modification which unilaterally increases the amount of funds obligated hereunder by $28,012,372.14, from $1,963,404,567.09 to a total of $1,991,416,939.23.

Also enclosed is Fiscal Year 2011 Approved Funding Program No.13 which depicts funding adjustments in the following categories:

- Operating Expenses Funds are increased by $25,111,939.00;
- Capital Equipment Funds are increased by $1,043,161.00;
- Construction Funds are increased by $1,840,000.00; and
- Reimbursable Work Funds are increased by $17,272.14.

This obligation does not affect expenditure limitations which are applicable and which the Laboratory may have been advised of separately from contract modifications.

Sincerely,

Rory S. Simpson
Contracting Officer

Enclosures:
As Stated

cc: P. Oddone, Fermilab, w/encls.
Y. - K. Kim, Fermilab, w/encls
B. Chrisman, Fermilab, w/encls.
D. Carlson, Fermilab, w/encls.
C. Conger, Fermilab, w/encls.
C. Trimby, Fermilab, w/encls.
M. Rhoades, Fermilab, w/encls.
E. Becker, Fermilab, w/encls.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 1

2. AMENDMENT/MODIFICATION NO. 084

3. EFFECTIVE DATE 05/01/2011

4. REQUISITION/PURCHASE REQ. NO. 11SC004453

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: GARY LEONARD
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)*
SEE APPROVED FUNDING PROGRAM NO. 13; ATTACHED

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
	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.)*

This contract modification unilaterally increases the amount of funds obligated hereunder by $28,012,372.14, from $1,963,404,567.09 to a total of $1,991,416,939.23.
FOB: Unknown
Period of Performance: 01/01/2007 to 12/31/2011

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 of Contracting Officer)

16C. DATE SIGNED 05/25/2011

CHICAGO OPERATIONS OFFICE
FY 2011 APPROVED FUNDING PROGRAM NO. 13
CH Fermi Accelerator Laboratory - CONTRACT NO: CH11359
SUMMARY

	BUDGET AUTHORITY (BA)				
	BEGINNING UNCOSTED OBLIGATIONS	NEW BA			TOTAL AVAILABLE
		PREVIOUS	CHANGE	REVISED	
OPERATING EXPENSES	110,919,260.11	210,652,734.89	25,111,939.00	235,764,673.89	346,683,934.00
CAPITAL EQUIPMENT	101,709,853.61	36,366,569.55	1,043,161.00	37,409,730.55	139,119,584.16
CONSTRUCTION	18,691,278.86	1,086,824.78	1,840,000.00	2,926,824.78	21,618,103.64
REIMBURSABLE WORK	20,526,010.49	224,179.33	17,272.14	241,451.47	20,767,461.96
GRAND TOTAL	251,846,403.07	248,330,308.55	28,012,372.14	276,342,680.69	528,189,083.76

Certification of Funds Availability:

Catherine Richardson 5-25-11

Certifying Official Date

CHICAGO OPERATIONS OFFICE
FY 2011 APPROVED FUNDING PROGRAM NO. 13
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-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	34,793,026.28	0.00	0.00	0.00	34,793,026.28
	KA-15-00-00-0	KA1500000 - Advanced Technology R&D	42,693,822.00	0.00	0.00	0.00	42,693,822.00
89X0222 2005 General Science and Research Activities, Oper							
WA	KA-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	217,545.11	0.00	0.00	0.00	217,545.11
	KA-13-00-00-0	KA1300000 - Non-Accelerator-Based Physics	5,028.82	(2,600.21)	0.00	(2,600.21)	2,428.61
	KA-15-00-00-0	KA1500000 - Advanced Technology R&D	15,982.00	0.00	0.00	0.00	15,982.00
	KS-01-00-00-0	KS0100000 - Research, Development And Operations	178,745.28	0.00	0.00	0.00	178,745.28
89X0222 2006 General Science and Research Activities, Oper							
	KA-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	100,657.27	0.00	0.00	0.00	100,657.27
	KA-14-00-00-0	KA1400000 - Theoretical Physics	37,340.82	(37,340.82)	0.00	(37,340.82)	0.00
	KJ-00-00-00-0	KJ0000000 - Advanced Scientific Computing Research	5,527.11	(5,527.11)	0.00	(5,527.11)	0.00
89X0222 2007 General Science and Research Activities, Oper							
	KA-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	1,741,039.13	0.00	0.00	0.00	1,741,039.13
	KA-14-00-00-0	KA1400000 - Theoretical Physics	27,891.42	(27,891.42)	0.00	(27,891.42)	0.00
	KA-15-00-00-0	KA1500000 - Advanced Technology R&D	3,105.00	0.00	0.00	0.00	3,105.00
89X0222 2008 General Science and Research Activities, Reim							
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	40,496.84	0.00	0.00	0.00	40,496.84
WA	FS-10-00-00-0	FS1000000 - Safeguards and Security - Science	1,175.22	(1,175.22)	0.00	(1,175.22)	0.00
	KA-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	4,259,152.95	0.00	0.00	0.00	4,259,152.95
	KA-13-00-00-0	KA1300000 - Non-Accelerator-Based Physics	311,632.60	0.00	0.00	0.00	311,632.60
	KA-14-00-00-0	KA1400000 - Theoretical Physics	26,737.21	0.00	0.00	0.00	26,737.21
	KJ-00-00-00-0	KJ0000000 - Advanced Scientific Computing Research	7,535.71	0.00	0.00	0.00	7,535.71
89X0222 2009 General Science and Research Activities, Reim							
3W	40-00-00-00-0	400000000 - Cost Of Reimbursable Work And Cooperative Work -	146,302.01	0.00	0.00	0.00	146,302.01
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	114,793.56	0.00	0.00	0.00	114,793.56
WA	FS-10-00-00-0	FS1000000 - Safeguards and Security - Science	22,000.00	(22,000.00)	0.00	(22,000.00)	0.00
	KA-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	4,632,014.49	0.00	0.00	0.00	4,632,014.49
	KA-12-00-00-0	KA1200000 - Electron Accelerator-Based Physics	342,066.42	0.00	0.00	0.00	342,066.42
	KA-13-00-00-0	KA1300000 - Non-Accelerator-Based Physics	181,408.83	0.00	0.00	0.00	181,408.83
	KA-15-00-00-0	KA1500000 - Advanced Technology R&D	85,220.57	0.00	0.00	0.00	85,220.57
	KB-00-00-00-0	KB0000000 - Nuclear Physics	268,760.92	0.00	0.00	0.00	268,760.92
	KJ-00-00-00-0	KJ0000000 - Advanced Scientific Computing Research	71,013.08	0.00	0.00	0.00	71,013.08
	KL-00-00-00-0	KL0000000 - Workforce Development for Teachers and Scientist	2,130.97	0.00	0.00	0.00	2,130.97
89X0222 2010 General Science and Research Activities, Reim							
3W	40-00-00-00-0	400000000 - Cost Of Reimbursable Work And Cooperative Work -	146,054.37	0.00	0.00	0.00	146,054.37
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	20,078,363.71	0.00	0.00	0.00	20,078,363.71
WA	FS-10-00-00-0	FS1000000 - Safeguards and Security - Science	1,759,656.39	0.00	0.00	0.00	1,759,656.39

CHICAGO OPERATIONS OFFICE
FY 2011 APPROVED FUNDING PROGRAM NO. 13
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
89X0222 2010 General Science and Research Activities, Reim							
WA	KA-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	110,049,108.17	(2,000,000.00)	0.00	(2,000,000.00)	108,049,108.17
	KA-12-00-00-0	KA1200000 - Electron Accelerator-Based Physics	377,000.00	0.00	0.00	0.00	377,000.00
	KA-13-00-00-0	KA1300000 - Non-Accelerator-Based Physics	5,725,623.36	0.00	0.00	0.00	5,725,623.36
	KA-14-00-00-0	KA1400000 - Theoretical Physics	2,701,134.39	0.00	0.00	0.00	2,701,134.39
	KA-15-00-00-0	KA1500000 - Advanced Technology R&D	19,031,410.53	0.00	0.00	0.00	19,031,410.53
	KB-00-00-00-0	KB0000000 - Nuclear Physics	490,131.14	0.00	0.00	0.00	490,131.14
	KC-02-00-00-0	KC0200000 - Materials Sciences and Engineering	147,418.80	0.00	0.00	0.00	147,418.80
	KJ-00-00-00-0	KJ0000000 - Advanced Scientific Computing Research	742,081.72	0.00	0.00	0.00	742,081.72
	KL-00-00-00-0	KL0000000 - Workforce Development for Teachers and Scientist	194,797.66	0.00	(61,000.00)	(61,000.00)	133,797.66
89X0222 2011 General Science and Research Activities, Reim							
2W	60-00-00-00-0	600000000 - Cost Of Reimbursable And Cooperative Work - Non-	0.00	174,179.33	17,272.14	191,451.47	191,451.47
WA	FS-10-00-00-0	FS1000000 - Safeguards and Security - Science	0.00	2,221,592.00	243,358.00	2,464,950.00	2,464,950.00
	KA-11-00-00-0	KA1100000 - Proton Accelerator-Based Physics	0.00	184,281,661.00	20,261,513.00	204,543,174.00	204,543,174.00
	KA-12-00-00-0	KA1200000 - Electron Accelerator-Based Physics	0.00	144,537.00	54,172.00	198,709.00	198,709.00
	KA-13-00-00-0	KA1300000 - Non-Accelerator-Based Physics	0.00	10,250,809.00	1,122,894.00	11,373,703.00	11,373,703.00
	KA-14-00-00-0	KA1400000 - Theoretical Physics	0.00	9,502,742.00	941,813.00	10,444,555.00	10,444,555.00
	KA-15-00-00-0	KA1500000 - Advanced Technology R&D	0.00	42,980,112.00	5,342,394.00	48,322,506.00	48,322,506.00
	KB-00-00-00-0	KB0000000 - Nuclear Physics	0.00	303,350.00	33,229.00	336,579.00	336,579.00
	KJ-00-00-00-0	KJ0000000 - Advanced Scientific Computing Research	0.00	488,801.00	53,544.00	542,345.00	542,345.00
	KL-00-00-00-0	KL0000000 - Workforce Development for Teachers and Scientist	0.00	29,060.00	3,183.00	32,243.00	32,243.00
89X0243 2010 Materials Production and Other Defense Progra							
TF	HQ-00-00-00-0	HQ0000000	7,749.07	0.00	0.00	0.00	7,749.07
89X0243 2011 Other Defense Activities, Reimbursable Work,							
3F	40-00-00-00-0	400000000 - Cost Of Reimbursable Work And Cooperative Work -	0.00	50,000.00	0.00	50,000.00	50,000.00
89X4180 2009 Isotope Production and Distribution Fund							
VE	ST-00-00-00-0	ST0000000 - Isotope Production And Distribution Program	63,722.14	0.00	0.00	0.00	63,722.14

CHICAGO OPERATIONS OFFICE
FY 2011 APPROVED FUNDING PROGRAM NO. 13
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
OPERATING EXPENSES										
TF	HQ-10-01-00-0		2010	25400	HQ1001000, Worker Advocacy	7,749.07	0.00	0.00	0.00	7,749.07
VE	ST-50-02-00-0		2009	25400	ST5002000, University Research	63,722.14	0.00	0.00	0.00	63,722.14
WA	FS-10-01-00-0		2010	25400	FS1001000, Protective Forces	736,112.97	0.00	0.00	0.00	736,112.97
			2011	25400	FS1001000, Protective Forces	0.00	1,082,681.00	118,258.00	1,200,939.00	1,200,939.00
	FS-10-02-00-0		2010	25400	FS1002000, Security Systems	103,911.27	0.00	0.00	0.00	103,911.27
			2011	25400	FS1002000, Security Systems	0.00	349,242.00	40,211.00	389,453.00	389,453.00
		EQU	2010	31003	FS1002000, Security Systems	235,224.40	0.00	0.00	0.00	235,224.40
		GPP	2008	32002	FS1002000, Security Systems	1,175.22	(1,175.22)	0.00	(1,175.22)	0.00
		GPP	2009	32002	FS1002000, Security Systems	22,000.00	(22,000.00)	0.00	(22,000.00)	0.00
	FS-10-05-00-0		2010	25400	FS1005000, Cyber Security	682,036.13	0.00	0.00	0.00	682,036.13
			2011	25400	FS1005000, Cyber Security	0.00	602,725.00	70,159.00	672,884.00	672,884.00
	FS-10-07-00-0		2010	25400	FS1007000, Material Control and Accountability	2,353.18	0.00	0.00	0.00	2,353.18
			2011	25400	FS1007000, Material Control and Accountability	0.00	44,941.00	3,141.00	48,082.00	48,082.00
	FS-10-09-00-0		2010	25400	FS1009000, Program Management	18.44	0.00	0.00	0.00	18.44
			2011	25400	FS1009000, Program Management	0.00	142,003.00	11,589.00	153,592.00	153,592.00
	KA-11-01-02-1		2010	25400	KA1101021, Proton Research, National Laboratory, Energy Fron	3,588,944.74	0.00	0.00	0.00	3,588,944.74
			2011	25400	KA1101021, Proton Research, National Laboratory, Energy Fron	0.00	21,305,427.00	2,000,000.00	23,305,427.00	23,305,427.00
	KA-11-01-02-2		2010	25400	KA1101022, Proton Research, National Laboratory, Intensity F	749,711.23	0.00	0.00	0.00	749,711.23
			2011	25400	KA1101022, Proton Research, National Laboratory, Intensity F	0.00	7,676,155.00	500,000.00	8,176,155.00	8,176,155.00
	KA-11-01-03-0		2009	25400	KA1101030, University Service Accounts	55,610.71	0.00	0.00	0.00	55,610.71
			2010	25400	KA1101030, University Service Accounts	1,027,000.00	0.00	0.00	0.00	1,027,000.00
			2011	25400	KA1101030, University Service Accounts	0.00	452,476.00	70,067.00	522,543.00	522,543.00
	KA-11-02-01-1		2010	25400	KA1102011, Accelerator Operations	4,592,801.71	0.00	0.00	0.00	4,592,801.71
			2011	25400	KA1102011, Accelerator Operations	0.00	64,242,498.00	9,771,168.00	74,013,666.00	74,013,666.00
	KA-11-02-01-2		2010	25400	KA1102012, Detector Operations	8,952,245.13	0.00	0.00	0.00	8,952,245.13
			2011	25400	KA1102012, Detector Operations	0.00	16,399,425.00	1,000,000.00	17,399,425.00	17,399,425.00
	KA-11-02-02-1	AIP	2009	32003	KA1102021, Accelerator Support	167,323.63	0.00	0.00	0.00	167,323.63
		AIP	2010	32003	KA1102021, Accelerator Support	20,000.00	0.00	0.00	0.00	20,000.00
		EQU	2010	31003	KA1102021, Accelerator Support	548,628.35	0.00	0.00	0.00	548,628.35
		EQU	2011	31003	KA1102021, Accelerator Support	0.00	3,800,000.00	0.00	3,800,000.00	3,800,000.00
	KA-11-02-02-2	EQU	2010	31003	KA1102022, Detector Support	2,120,334.55	0.00	0.00	0.00	2,120,334.55
		EQU	2011	31003	KA1102022, Detector Support	0.00	1,806,087.00	225,000.00	2,031,087.00	2,031,087.00
		EQUMIE71RF	2007	31001	KA1102022, Detector Support	41,039.43	0.00	0.00	0.00	41,039.43
	KA-11-02-02-3		2009	25400	KA1102023, Other Tevatron Support Costs	262,177.11	0.00	0.00	0.00	262,177.11
			2010	25400	KA1102023, Other Tevatron Support Costs	734,680.58	0.00	0.00	0.00	734,680.58
			2011	25400	KA1102023, Other Tevatron Support Costs	0.00	2,895,000.00	0.00	2,895,000.00	2,895,000.00
		EQU	2010	31003	KA1102023, Other Tevatron Support Costs	773,168.89	0.00	0.00	0.00	773,168.89
		EQU	2011	31003	KA1102023, Other Tevatron Support Costs	0.00	1,840,000.00	0.00	1,840,000.00	1,840,000.00
		GPP	2009	32002	KA1102023, Other Tevatron Support Costs	1,953,720.73	0.00	0.00	0.00	1,953,720.73

CHICAGO OPERATIONS OFFICE
FY 2011 APPROVED FUNDING PROGRAM NO. 13
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
		GPP	2010	32002	KA1102023, Other Tevatron Support Costs	992,000.00	0.00	0.00	0.00	992,000.00
		GPP	2011	32002	KA1102023, Other Tevatron Support Costs	0.00	1,110,000.00	1,840,000.00	2,950,000.00	2,950,000.00
	KA-11-02-03-1		2008	25400	KA1102031, Accelerator RandD	127,790.00	0.00	0.00	0.00	127,790.00
WA	KA-11-02-03-2		2008	25400	KA1102032, Detector RandD	1,931,362.95	0.00	0.00	0.00	1,931,362.95
	KA-11-02-03-3		2011	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	0.00	0.00	0.00	0.00	0.00
		EQUMIE71RF	2010	31001	KA1102033, Proton Facilities - Projects, Current Facility Pr	55,930,411.99	0.00	0.00	0.00	55,930,411.99
		EQUMIE71RF	2011	31001	KA1102033, Proton Facilities - Projects, Current Facility Pr	0.00	22,000,000.00	0.00	22,000,000.00	22,000,000.00
		EQUMIE81SB	2009	31001	KA1102033, Proton Facilities - Projects, Current Facility Pr	503,796.65	0.00	0.00	0.00	503,796.65
		OPELBNE	2010	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	4,942,163.51	0.00	0.00	0.00	4,942,163.51
		OPELBNE	2011	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	0.00	2,055,000.00	0.00	2,055,000.00	2,055,000.00
		OPEMIE01VK	2010	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	500,317.76	0.00	0.00	0.00	500,317.76
		OPEMIE01VK	2011	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	0.00	4,000,000.00	2,000,000.00	6,000,000.00	6,000,000.00
		OPEMIE71RF	2009	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	567,385.66	0.00	0.00	0.00	567,385.66
		OPEMu2E	2010	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	1,007,634.88	0.00	0.00	0.00	1,007,634.88
		OPEMu2E	2011	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr	0.00	6,467,000.00	0.00	6,467,000.00	6,467,000.00
	KA-11-02-03-4		2010	25400	KA1102034, Proton Facilities - Projects, Future Facility R&D	4,089,740.86	0.00	0.00	0.00	4,089,740.86
			2011	25400	KA1102034, Proton Facilities - Projects, Future Facility R&D	0.00	6,731,450.00	500,000.00	7,231,450.00	7,231,450.00
	KA-11-02-05-3		2010	25400	KA1102053, LHC Accelerator RandD	1,604,852.81	0.00	0.00	0.00	1,604,852.81
			2011	25400	KA1102053, LHC Accelerator RandD	0.00	1,827,363.00	200,174.00	2,027,537.00	2,027,537.00
	KA-11-02-05-4		2010	25400	KA1102054, Proton Facilities - LHC Support, ATLAS Detector &	25,000.00	0.00	0.00	0.00	25,000.00
	KA-11-02-05-5		2010	25400	KA1102055, Proton Facilities - LHC Support, CMS Detector & C	10,641,630.35	0.00	0.00	0.00	10,641,630.35
			2011	25400	KA1102055, Proton Facilities - LHC Support, CMS Detector & C	0.00	16,933,433.00	1,854,921.00	18,788,354.00	18,788,354.00
		EQU	2010	31003	KA1102055, Proton Facilities - LHC Support, CMS Detector & C	3,561,758.59	0.00	0.00	0.00	3,561,758.59
		EQU	2011	31003	KA1102055, Proton Facilities - LHC Support, CMS Detector & C	0.00	2,740,347.00	300,183.00	3,040,530.00	3,040,530.00
	KA-11-02-05-6	OPEMIE91TD	2010	25400	KA1102056, Proton Facilities - LHC Upgrade Projects	3,471,249.83	0.00	0.00	0.00	3,471,249.83
		OPEMIE91TD	2010	25400	KA1102056, Proton Facilities - LHC Upgrade Projects	0.00	(2,000,000.00)	0.00	(2,000,000.00)	(2,000,000.00)
	KA-11-02-08-0		2010	25400	KA1102080, Other Facility Activities	174,832.41	0.00	0.00	0.00	174,832.41
	KA-11-02-81-1		2006	25400	KA1102811, Special Process Spares	100,657.27	0.00	0.00	0.00	100,657.27
			2007	25400	KA1102811, Special Process Spares	1,699,999.70	0.00	0.00	0.00	1,699,999.70
			2008	25400	KA1102811, Special Process Spares	2,200,000.00	0.00	0.00	0.00	2,200,000.00
			2009	25400	KA1102811, Special Process Spares	1,122,000.00	0.00	0.00	0.00	1,122,000.00
	KA-11-02-81-2		2005	25400	KA1102812, Common Use Stores	217,545.11	0.00	0.00	0.00	217,545.11
	KA-12-01-02-0		2009	25400	KA1201020, National Laboratory Research	342,066.42	0.00	0.00	0.00	342,066.42
			2010	25400	KA1201020, National Laboratory Research	377,000.00	0.00	0.00	0.00	377,000.00
			2011	25400	KA1201020, National Laboratory Research	0.00	144,537.00	54,172.00	198,709.00	198,709.00
	KA-13-01-02-0	EQU	2009	31003	KA1301020, National Laboratory Research	46,823.22	0.00	0.00	0.00	46,823.22
	KA-13-01-02-1		2010	25400	KA1301021, Non-Accelerator Physics Research, National Labora	2,319,627.86	0.00	0.00	0.00	2,319,627.86
			2011	25400	KA1301021, Non-Accelerator Physics Research, National Labora	0.00	6,270,585.00	722,894.00	6,993,479.00	6,993,479.00
	KA-13-01-02-5		2011	25400	KA1301025, Non-Accelerator Research, National Laboratory, Ex	0.00	809,276.00	0.00	809,276.00	809,276.00
	KA-13-01-03-0		2008	25400	KA1301030, Projects	311,632.60	0.00	0.00	0.00	311,632.60
		EQU01CI	2005	31001	KA1301030, Projects	2,428.61	0.00	0.00	0.00	2,428.61
		EQU01CJ	2005	31001	KA1301030, Projects	2,600.21	(2,600.21)	0.00	(2,600.21)	0.00
	KA-13-01-03-1	EQUMIE81SA	2010	31001	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	1,888,522.93	0.00	0.00	0.00	1,888,522.93
		EQUMIE81SA	2011	25400	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	0.00	0.00	0.00	0.00	0.00

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				31001	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	0.00	3,170,948.00	400,000.00	3,570,948.00	3,570,948.00
		EQUMIE91UH	2009	31001	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	123,603.01	0.00	0.00	0.00	123,603.01
		EQUMIE91UH	2010	31001	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	1,500,000.00	0.00	0.00	0.00	1,500,000.00
WA	KA-13-01-03-1	OPEMIE81SA	2009	25400	KA1301031, Non-Accelerator Physics, Research, Projects, Curr	10,982.60	0.00	0.00	0.00	10,982.60
	KA-13-01-03-2		2010	25400	KA1301032, Non-Accelerator Physics Research, Projects, Futur	17,472.57	0.00	0.00	0.00	17,472.57
	KA-14-01-02-0		2010	25400	KA1401020, National Laboratory Research	419,295.25	0.00	0.00	0.00	419,295.25
			2011	25400	KA1401020, National Laboratory Research	0.00	6,915,519.00	785,299.00	7,700,818.00	7,700,818.00
		EQU	2006	31003	KA1401020, National Laboratory Research	37,340.82	(37,340.82)	0.00	(37,340.82)	0.00
	KA-14-01-03-0		2010	25400	KA1401030, Scientific Discovery through Advanced Computing (	913,466.19	0.00	0.00	0.00	913,466.19
			2011	25400	KA1401030, Scientific Discovery through Advanced Computing (	0.00	318,009.00	(18,009.00)	300,000.00	300,000.00
		EQU	2007	31003	KA1401030, Scientific Discovery through Advanced Computing (	27,891.42	(27,891.42)	0.00	(27,891.42)	0.00
	KA-14-01-04-0		2010	25400	KA1401040, Other	55,103.02	0.00	0.00	0.00	55,103.02
			2011	25400	KA1401040, Other	0.00	675,988.00	0.00	675,988.00	675,988.00
		EQU	2008	31003	KA1401040, Other	26,737.21	0.00	0.00	0.00	26,737.21
	KA-14-01-05-0		2010	25400	KA1401050, Theoretical Physics Research, Computational HEP	154,175.14	0.00	0.00	0.00	154,175.14
			2011	25400	KA1401050, Theoretical Physics Research, Computational HEP	0.00	516,206.00	56,545.00	572,751.00	572,751.00
		EQU	2010	31003	KA1401050, Theoretical Physics Research, Computational HEP	1,159,094.79	0.00	0.00	0.00	1,159,094.79
		EQU	2011	31003	KA1401050, Theoretical Physics Research, Computational HEP	0.00	1,077,020.00	117,978.00	1,194,998.00	1,194,998.00
	KA-15-01-02-0		2010	25400	KA1501020, National Laboratory Research	1,722,376.17	0.00	0.00	0.00	1,722,376.17
			2011	25400	KA1501020, National Laboratory Research	0.00	3,134,467.00	500,000.00	3,634,467.00	3,634,467.00
		EQU	2005	31003	KA1501020, National Laboratory Research	15,982.00	0.00	0.00	0.00	15,982.00
		EQU	2007	31003	KA1501020, National Laboratory Research	3,105.00	0.00	0.00	0.00	3,105.00
		EQU	2009	31003	KA1501020, National Laboratory Research	57,759.07	0.00	0.00	0.00	57,759.07
		EQU	2010	31003	KA1501020, National Laboratory Research	105,000.00	0.00	0.00	0.00	105,000.00
	KA-15-02-01-1		2010	25400	KA1502011, Advanced Technology Research, Accelerator Develop	7,600,251.88	0.00	0.00	0.00	7,600,251.88
			2011	25400	KA1502011, Advanced Technology Research, Accelerator Develop	0.00	7,871,148.00	1,017,086.00	8,888,234.00	8,888,234.00
		EQU	2010	31003	KA1502011, Advanced Technology Research, Accelerator Develop	219,157.22	0.00	0.00	0.00	219,157.22
	KA-15-02-01-2		2010	25400	KA1502012, Advanced Technology Research, Accelerator Develop	4,379,812.89	0.00	0.00	0.00	4,379,812.89
			2011	25400	KA1502012, Advanced Technology Research, Accelerator Develop	0.00	11,607,878.00	1,500,000.00	13,107,878.00	13,107,878.00
	KA-15-02-02-1		2010	25400	KA1502021, Advanced Technology Research, Accelerator Develop	2,558,014.25	0.00	0.00	0.00	2,558,014.25
			2011	25400	KA1502021, Advanced Technology Research, Accelerator Develop	0.00	7,902,930.00	1,300,000.00	9,202,930.00	9,202,930.00
		EQU	2010	31003	KA1502021, Advanced Technology Research, Accelerator Develop	15,378.44	0.00	0.00	0.00	15,378.44
	KA-15-02-02-3		2010	25400	KA1502023, Advanced Technology Research, Accelerator Develop	721,337.41	0.00	0.00	0.00	721,337.41
			2011	25400	KA1502023, Advanced Technology Research, Accelerator Develop	0.00	1,143,936.00	125,308.00	1,269,244.00	1,269,244.00
	KA-15-02-03-0		2011	25400	KA1502030, Muon Accelerators	0.00	5,130,201.00	200,000.00	5,330,201.00	5,330,201.00
	KA-15-03-02-0		2010	25400	KA1503020, Detector Development	1,435,082.27	0.00	0.00	0.00	1,435,082.27
			2011	25400	KA1503020, Detector Development	0.00	6,189,552.00	700,000.00	6,889,552.00	6,889,552.00
		EQU	2009	31003	KA1503020, Detector Development	27,461.50	0.00	0.00	0.00	27,461.50
		EQU	2010	31003	KA1503020, Detector Development	275,000.00	0.00	0.00	0.00	275,000.00
	KB-01-01-02-2		2010	25400	KB0101022, Other National Laboratory Research	184,847.48	0.00	0.00	0.00	184,847.48
	KB-02-01-02-1	EQUMIE81SF	2009	31001	KB0201021, RHIC Research	191,199.64	0.00	0.00	0.00	191,199.64
	KB-03-01-02-0		2010	25400	KB0301020, National Laboratory Research	14,283.66	0.00	0.00	0.00	14,283.66
			2011	25400	KB0301020, National Laboratory Research	0.00	303,350.00	33,229.00	336,579.00	336,579.00
	KB-03-01-05-2		2009	25400	KB0301052, National Laboratory Research	77,561.28	0.00	0.00	0.00	77,561.28

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		2010	25400	KB0301052, National Laboratory Research	291,000.00	0.00	0.00	0.00	291,000.00
	KC-02-02-01-0	2010	25400	KC0202010, X-Ray and Neutron Scattering Research	147,418.80	0.00	0.00	0.00	147,418.80
	KJ-01-01-04-0	2008	25400	KJ0101040, Distributed Network Environment Research	7,535.71	0.00	0.00	0.00	7,535.71
WA	KJ-01-02-00-0	2006	25400	KJ0102000, Advanced Computation, Communications Research and	5,527.11	(5,527.11)	0.00	(5,527.11)	0.00
	KJ-04-04-00-0	2009	25400	KJ0404000, Next Generation Networking for Science	71,013.08	0.00	0.00	0.00	71,013.08
		2010	25400	KJ0404000, Next Generation Networking for Science	667,000.00	0.00	0.00	0.00	667,000.00
		2011	25400	KJ0404000, Next Generation Networking for Science	0.00	399,581.00	43,771.00	443,352.00	443,352.00
	KJ-05-04-00-0	2010	25400	KJ0504000, High Performance Network Facilities and Testbeds	75,081.72	0.00	0.00	0.00	75,081.72
		2011	25400	KJ0504000, High Performance Network Facilities and Testbeds	0.00	89,220.00	9,773.00	98,993.00	98,993.00
	KL-01-01-00-0	2010	25400	KL0101000, Science Undergraduate Laboratory Internship (SULI	38,645.11	21,000.00	0.00	21,000.00	59,645.11
		2011	25400	KL0101000, Science Undergraduate Laboratory Internship (SULI	0.00	11,089.00	1,215.00	12,304.00	12,304.00
	KL-01-02-00-0	2010	25400	KL0102000, Community College Institute of Science and Techno	13,720.86	0.00	0.00	0.00	13,720.86
		2011	25400	KL0102000, Community College Institute of Science and Techno	0.00	13,575.00	1,486.00	15,061.00	15,061.00
	KL-01-03-00-0	2010	25400	KL0103000, Pre-Service Teachers (PST)	9,476.56	0.00	0.00	0.00	9,476.56
		2011	25400	KL0103000, Pre-Service Teachers (PST)	0.00	4,396.00	482.00	4,878.00	4,878.00
	KL-02-01-00-0	2010	25400	KL0201000, Laboratory Science Teacher Professional Developme	94,955.13	0.00	(61,000.00)	(61,000.00)	33,955.13
	KL-02-02-00-0	2009	25400	KL0202000, Faculty and Student Teams (FaST)	2,130.97	0.00	0.00	0.00	2,130.97
		2010	25400	KL0202000, Faculty and Student Teams (FaST)	38,000.00	(21,000.00)	0.00	(21,000.00)	17,000.00
	KS-01-01-00-0	2005	25400	KS0101000, Accelerator and Experimental Facilities Research	178,745.28	0.00	0.00	0.00	178,745.28

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OPERATING EXPENSES (ENVIRONMENTAL)									
WO	KA-11-02-02-3	2009	32002	KA1102023, Other Tevatron Support Costs					
	2005140			Fermilab GPP augmentation	9,057,277.66	0.00	0.00	0.00	9,057,277.66
	KA-11-02-03-3	2009	25400	KA1102033, Proton Facilities - Projects, Current Facility Pr					
	2005175			Long Baseline Neutrino Experiment	5,984,909.05	0.00	0.00	0.00	5,984,909.05
			31001	KA1102033, Proton Facilities - Projects, Current Facility Pr					
	2005120			NOvA MIE Fully fund the cooperative agreement with the Unive	19,536,267.95	0.00	0.00	0.00	19,536,267.95
	KA-11-02-03-4	2009	25400	KA1102034, Proton Facilities - Projects, Future Facility R&D					
	2005175			Long Baseline Neutrino Experiment	214,571.62	0.00	0.00	0.00	214,571.62
	KA-15-02-01-1	2009	25400	KA1502011, Advanced Technology Research, Accelerator Develop					
	2005170			Advanced technology R&D augmentation	1,517,351.81	0.00	0.00	0.00	1,517,351.81
	KA-15-02-01-2	2009	25400	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	21,964,550.85	0.00	0.00	0.00	21,964,550.85
			31001	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	8,000,000.00	0.00	0.00	0.00	8,000,000.00
			31003	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	4,734,137.72	0.00	0.00	0.00	4,734,137.72
			32002	KA1502012, Advanced Technology Research, Accelerator Develop					
	2005130			Superconducting Radio Frequency (SRF) R&D Fully fund the dev	6,477,781.62	0.00	0.00	0.00	6,477,781.62

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REIMBURSABLE WORK									
2W	60-03-03-00-0	2008	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRCRADA2008002			CHAGRCRADA2008002	40,496.84	0.00	0.00	0.00	40,496.84
				TOTAL B&R REPORTING 60-03-03-00-0	40,496.84	0.00	0.00	0.00	40,496.84
	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
	AGRCRADA2008001			CHAGRCRADA2008001	37,825.74	0.00	0.00	0.00	37,825.74
	AGRCRADA2008002			CHAGRCRADA2008002	74,933.00	0.00	0.00	0.00	74,933.00
	AGRWFO02001			CH AGRWFO02001	2,034.74	0.00	0.00	0.00	2,034.74
				TOTAL B&R REPORTING 60-03-03-00-0	114,793.56	0.00	0.00	0.00	114,793.56
	60-03-03-00-0	2010	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRWFO02001			CH AGRWFO02001	2,143.08	0.00	0.00	0.00	2,143.08
	AGRWFO04001			CHAGRWFO04001	6,010.01	0.00	0.00	0.00	6,010.01
	AGRWFO20100002			CHAGRWFO20100002	20,000,000.00	0.00	0.00	0.00	20,000,000.00
				TOTAL B&R REPORTING 60-03-03-00-0	20,008,153.09	0.00	0.00	0.00	20,008,153.09
	60-03-03-00-0	2011	25400	600303000, State and Local Governments and Non-Profit Organi					
	AGRWFO02001			CH AGRWFO02001	0.00	3,520.82	0.00	3,520.82	3,520.82
	AGRWFO04001			CHAGRWFO04001	0.00	65,673.12	4,191.45	69,864.57	69,864.57
	AGRWFO200802			CHAGRWFO200802	0.00	3,712.18	0.00	3,712.18	3,712.18
				TOTAL B&R REPORTING 60-03-03-00-0	0.00	72,906.12	4,191.45	77,097.57	77,097.57
	60-03-05-00-0	2010	25400	600305000, Universities and Institutes					
	AGRWFO20100001			CHAGRWFO20100001	70,210.62	0.00	0.00	0.00	70,210.62
				TOTAL B&R REPORTING 60-03-05-00-0	70,210.62	0.00	0.00	0.00	70,210.62
	60-03-05-00-0	2011	25400	600305000, Universities and Institutes					
	AGRWFO20100001			CHAGRWFO20100001	0.00	101,273.21	13,080.69	114,353.90	114,353.90
				TOTAL B&R REPORTING 60-03-05-00-0	0.00	101,273.21	13,080.69	114,353.90	114,353.90

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3F	40-09-04-12-0	2011	25400	400904120, Other					
	AGRHSHQDC11X00138			CHAGRHSHQDC11X00138	0.00	50,000.00	0.00	50,000.00	50,000.00
				TOTAL B&R REPORTING 40-09-04-12-0	0.00	50,000.00	0.00	50,000.00	50,000.00
3W	40-04-09-90-0	2009	25400	400409900, Other					
	AGRNNG09FD20I			CHAGRNNG09FD20I	146,302.01	0.00	0.00	0.00	146,302.01
				TOTAL B&R REPORTING 40-04-09-90-0	146,302.01	0.00	0.00	0.00	146,302.01
	40-04-09-90-0	2010	25400	400409900, Other					
	AGRNNG10FC45I			CHAGRNNG10FC45I	146,054.37	0.00	0.00	0.00	146,054.37
				TOTAL B&R REPORTING 40-04-09-90-0	146,054.37	0.00	0.00	0.00	146,054.37

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