

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2004

ORGANIZATION Brookhaven National Laboratory				Budget Page No: <u>1</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.	Dantong Yu			1.00	\$7,000
2.	Richard Baker			1.00	\$8,000
3.					
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	() TOTAL SENIOR PERSONNEL (1-6)			2.00	\$15,000
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1.	(2) POST DOCTORAL ASSOCIATES	24.00			\$72,000
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)				
3.	(2) GRADUATE STUDENTS				\$12,000
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$99,000
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) 38.7% for sr. person/28.6% for post doc					\$26,397
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$125,397
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$7,000
			2. FOREIGN		\$3,000
TOTAL TRAVEL					\$10,000
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$2,000
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$1,500
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					\$13,816
TOTAL OTHER DIRECT COSTS					\$17,316
H. TOTAL DIRECT COSTS (A THROUGH G)					\$152,713
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
39.2% of direct less elec power					
TOTAL INDIRECT COSTS					\$59,326
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$212,039
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$212,039

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2005

ORGANIZATION Brookhaven National Laboratory				Budget Page No: <u>2</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.	Dantong Yu			1.00	\$7,210
2.	Richard Baker			1.00	\$8,240
3.					
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	() TOTAL SENIOR PERSONNEL (1-6)			2.00	\$15,450
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1.	(2) POST DOCTORAL ASSOCIATES	24.00			\$74,160
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)				
3.	(2) GRADUATE STUDENTS				\$12,360
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$101,970
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) 38.7% for sr. person/28.6% for post doc					\$27,189
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$129,159
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$7,000
			2. FOREIGN		\$3,000
TOTAL TRAVEL					\$10,000
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$1,000
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$2,000
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					\$14,172
TOTAL OTHER DIRECT COSTS					\$17,172
H. TOTAL DIRECT COSTS (A THROUGH G)					\$156,331
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
39.2% of direct less elec power					
TOTAL INDIRECT COSTS					\$60,725
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$217,055
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$217,055

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2006

ORGANIZATION Brookhaven National Laboratory				Budget Page No: <u>3</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.	Dantong Yu			1.00	\$7,426
2.	Richard Baker			1.00	\$8,487
3.					
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	() TOTAL SENIOR PERSONNEL (1-6)			2.00	\$15,914
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1.	(2) POST DOCTORAL ASSOCIATES	24.00			\$76,385
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)				
3.	(2) GRADUATE STUDENTS				\$12,731
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$105,029
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS) 38.7% for sr. person/28.6% for post doc					\$28,005
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$133,034
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$7,000
			2. FOREIGN		\$3,000
TOTAL TRAVEL					\$10,000
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$500
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$2,000
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					\$14,539
TOTAL OTHER DIRECT COSTS					\$17,039
H. TOTAL DIRECT COSTS (A THROUGH G)					\$160,073
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
39.2% of direct less elec power					
TOTAL INDIRECT COSTS					\$62,172
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$222,245
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$222,245

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2004-FY2006

ORGANIZATION Brookhaven National Laboratory				Budget Page No: <u>4</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu				Requested Duration: <u>36</u> (Months)		
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	Dantong Yu				3.00	\$21,636
2.	Richard Baker				3.00	\$24,727
3.						
4.						
5.						
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	() TOTAL SENIOR PERSONNEL (1-6)				6.00	\$46,364
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	(2) POST DOCTORAL ASSOCIATES		24.00			\$222,545
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					
3.	(2) GRADUATE STUDENTS					\$37,091
4.	() UNDERGRADUATE STUDENTS					
5.	() SECRETARIAL - CLERICAL					
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$305,999
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)			38.7% for sr. person/28.6% for post doc			\$81,590
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$387,590
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)			\$21,000
			2. FOREIGN			\$9,000
TOTAL TRAVEL						\$30,000
F. TRAINEE/PARTICIPANT COSTS						
1. STIPENDS (Itemize levels, types + totals on budget justification page)						
2. TUITION & FEES						
3. TRAINEE TRAVEL						
4. OTHER (fully explain on justification page)						
TOTAL PARTICIPANTS () TOTAL COST						
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						\$3,500
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						\$5,500
3. CONSULTANT SERVICES						
4. COMPUTER (ADPE) SERVICES						
5. SUBCONTRACTS						
6. OTHER includes organizational support , power charges and material burden						\$42,527
TOTAL OTHER DIRECT COSTS						\$51,527
H. TOTAL DIRECT COSTS (A THROUGH G)						\$469,116
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
39.2% of direct less elec power						
TOTAL INDIRECT COSTS						\$182,223
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$651,339
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						
L. TOTAL COST OF PROJECT (J+K)						\$651,339

Budget Page

(See reverse for Instructions)

FY2004

ORGANIZATION University of Michigan				Budget Page No: <u>1</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Shawn McKee				Requested Duration: <u>12</u> (Months)		
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	Shawn McKee		1.00	0.00	0.00	\$6,033
2.	John Vollbrecht		4.20	0.00	0.00	\$28,000
3.	Physics Postdoc		12.00	0.00	0.00	\$60,000
4.				0.00	0.00	\$0
5.				0.00	0.00	\$0
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	(3) TOTAL SENIOR PERSONNEL (1-6)		17.20	0.00	0.00	\$94,033
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	() POST DOCTORAL ASSOCIATES		0.00			\$0
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		0.00			\$0
3.	() GRADUATE STUDENTS			0.00	0.00	\$0
4.	(0) UNDERGRADUATE STUDENTS	(hourly-300 hours)		0.00	0.00	\$5,700
5.	(0) SECRETARIAL - CLERICAL		0.00			\$0
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$99,733
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						\$24,266
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$123,999
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						\$0
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)			\$7,000
			2. FOREIGN			\$4,000
TOTAL TRAVEL						\$11,000
F. TRAINEE/PARTICIPANT COSTS						
1. STIPENDS (Itemize levels, types + totals on budget justification page)						\$0
2. TUITION & FEES						\$0
3. TRAINEE TRAVEL						\$0
4. OTHER (fully explain on justification page)						\$0
TOTAL PARTICIPANTS (0) TOTAL COST						\$0
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						\$8,100
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						\$250
3. CONSULTANT SERVICES						\$0
4. COMPUTER (ADPE) SERVICES						\$0
5. SUBCONTRACTS						\$0
6. OTHER (Graduate-Student tuition)						\$0
TOTAL OTHER DIRECT COSTS						\$8,350
H. TOTAL DIRECT COSTS (A THROUGH G)						\$143,349
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
TOTAL INDIRECT COSTS 53%						\$75,975
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$219,324
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						\$0
L. TOTAL COST OF PROJECT (J+K)						\$219,324

FY2005

ORGANIZATION University of Michigan				Budget Page No: <u>2</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Shawn McKee				Requested Duration: <u>12</u> (Months)		
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	Shawn McKee		1.00	0.00	0.00	\$6,214
2.	John Vollbrecht		4.20	0.00	0.00	\$28,840
3.	Physics Postdoc		12.00	0.00	0.00	\$61,800
4.				0.00	0.00	\$0
5.				0.00	0.00	\$0
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	(3) TOTAL SENIOR PERSONNEL (1-6)		17.20	0.00	0.00	\$96,854
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	(0) POST DOCTORAL ASSOCIATES		0.00			\$0
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		0.00			\$0
3.	() GRADUATE STUDENTS			0.00	0.00	\$0
4.	(0) UNDERGRADUATE STUDENTS	(hourly-300 hours)		0.00	0.00	\$5,871
5.	(0) SECRETARIAL - CLERICAL		0.00			\$0
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$102,725
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						\$24,994
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$127,719
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						\$0
E. TRAVEL						
1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)						\$7,000
2. FOREIGN						\$4,000
TOTAL TRAVEL						\$11,000
F. TRAINEE/PARTICIPANT COSTS						
1. STIPENDS (Itemize levels, types + totals on budget justification page)						\$0
2. TUITION & FEES						\$0
3. TRAINEE TRAVEL						\$0
4. OTHER (fully explain on justification page)						\$0
TOTAL PARTICIPANTS (0) TOTAL COST						\$0
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						\$5,200
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						\$250
3. CONSULTANT SERVICES						\$0
4. COMPUTER (ADPE) SERVICES						\$0
5. SUBCONTRACTS						\$0
6. OTHER (Graduate-Student tuition)						\$0
TOTAL OTHER DIRECT COSTS						\$5,450
H. TOTAL DIRECT COSTS (A THROUGH G)						\$144,169
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
53%						
TOTAL INDIRECT COSTS						\$76,410
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$220,579
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						\$0
L. TOTAL COST OF PROJECT (J+K)						\$220,579

Budget Page

(See reverse for Instructions)

FY2006

ORGANIZATION University of Michigan				Budget Page No: <u>3</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Shawn McKee				Requested Duration: <u>12</u> (Months)		
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	Shawn McKee		1.00	0.00	0.00	\$6,401
2.	John Vollbrecht		4.20	0.00	0.00	\$29,705
3.	Physics Postdoc		12.00	0.00	0.00	\$63,654
4.				0.00	0.00	\$0
5.				0.00	0.00	\$0
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	(4) TOTAL SENIOR PERSONNEL (1-6)		17.20	0.00	0.00	\$99,760
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	(0) POST DOCTORAL ASSOCIATES		0.00			\$0
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		0.00			\$0
3.	() GRADUATE STUDENTS			0.00	0.00	\$0
4.	() UNDERGRADUATE STUDENTS (hourly-300 hours)			0.00	0.00	\$6,047
5.	(0) SECRETARIAL - CLERICAL		0.00			\$0
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$105,807
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						\$25,744
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$131,551
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						\$0
E. TRAVEL						
			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)			\$7,000
			2. FOREIGN			\$3,000
TOTAL TRAVEL						\$10,000
F. TRAINEE/PARTICIPANT COSTS						
1. STIPENDS (Itemize levels, types + totals on budget justification page)						\$0
2. TUITION & FEES						\$0
3. TRAINEE TRAVEL						\$0
4. OTHER (fully explain on justification page)						\$0
TOTAL PARTICIPANTS (0) TOTAL COST						\$0
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						\$3,200
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						\$250
3. CONSULTANT SERVICES						\$0
4. COMPUTER (ADPE) SERVICES						\$0
5. SUBCONTRACTS						\$0
6. OTHER (Graduate-Student tuition)						\$0
TOTAL OTHER DIRECT COSTS						\$3,450
H. TOTAL DIRECT COSTS (A THROUGH G)						\$145,001
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
					53%	
TOTAL INDIRECT COSTS						\$76,850
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$221,851
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						\$0
L. TOTAL COST OF PROJECT (J+K)						\$221,851

Budget Page

(See reverse for Instructions)

FY2004-FY2006

ORGANIZATION University of Michigan				Budget Page No: <u>4</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Shawn McKee				Requested Duration: <u>36</u> (Months)		
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	Shawn McKee		3.00	0.00	0.00	\$18,648
2.	John Vollbrecht		12.60	0.00	0.00	\$86,545
3.	Physics Postdoc		36.00	0.00	0.00	\$185,454
4.				0.00	0.00	\$0
5.				0.00	0.00	\$0
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	(3) TOTAL SENIOR PERSONNEL (1-6)		51.60	0.00	0.00	\$290,647
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	() POST DOCTORAL ASSOCIATES		0.00			\$0
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		0.00			\$0
3.	(2) GRADUATE STUDENTS			0.00	0.00	\$0
4.	(2) UNDERGRADUATE STUDENTS (Hourly - 900 total hours)			0.00	0.00	\$17,618
5.	(0) SECRETARIAL - CLERICAL		0.00			\$0
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$308,265
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						\$75,004
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$383,269
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						\$0
E. TRAVEL						
1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)						\$21,000
2. FOREIGN						\$11,000
TOTAL TRAVEL						\$32,000
F. TRAINEE/PARTICIPANT COSTS						
1. STIPENDS (Itemize levels, types + totals on budget justification page)						\$0
2. TUITION & FEES						\$0
3. TRAINEE TRAVEL						\$0
4. OTHER (fully explain on justification page)						\$0
TOTAL PARTICIPANTS (0) TOTAL COST						\$0
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						\$16,500
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						\$750
3. CONSULTANT SERVICES						\$0
4. COMPUTER (ADPE) SERVICES						\$0
5. SUBCONTRACTS						\$0
6. OTHER (Graduate-Student tuition)						\$0
TOTAL OTHER DIRECT COSTS						\$17,250
H. TOTAL DIRECT COSTS (A THROUGH G)						\$432,519
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
53%						
TOTAL INDIRECT COSTS						\$229,235
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$661,754
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						\$0
L. TOTAL COST OF PROJECT (J+K)						\$661,754

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2004

ORGANIZATION SUNY at Stony Brook				Budget Page No: <u>1</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Thomas G Robertazzi - Professor				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	by Applicant
					by DOE
1. Thomas G Robertazzi - Professor				2.00	\$19,170
2.					
3.					
4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (1) TOTAL SENIOR PERSONNEL (1-6)				2.00	\$19,170
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. () POST DOCTORAL ASSOCIATES					
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					
3. (3) GRADUATE STUDENTS					\$45,000
4. () UNDERGRADUATE STUDENTS					
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$64,170
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$7,021
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$71,191
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$5,000
			2. FOREIGN		
TOTAL TRAVEL					\$5,000
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$7,000
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$1,000
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					
TOTAL OTHER DIRECT COSTS					\$8,000
H. TOTAL DIRECT COSTS (A THROUGH G)					\$84,191
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
52%					
TOTAL INDIRECT COSTS					\$43,779
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$127,970
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$127,970

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2005

ORGANIZATION SUNY at Stony Brook				Budget Page No: <u>2</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Thomas G Robertazzi - Professor				Requested Duration: <u>12</u> (Months)		
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	Thomas G Robertazzi - Professor				2.00	\$19,745
2.						
3.						
4.						
5.						
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	(1) TOTAL SENIOR PERSONNEL (1-6)				2.00	\$19,745
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	() POST DOCTORAL ASSOCIATES					
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					
3.	(3) GRADUATE STUDENTS					\$46,350
4.	() UNDERGRADUATE STUDENTS					
5.	() SECRETARIAL - CLERICAL					
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$66,095
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						\$7,926
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$74,021
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)			\$5,000
			2. FOREIGN			
TOTAL TRAVEL						\$5,000
F. TRAINEE/PARTICIPANT COSTS						
1. STIPENDS (Itemize levels, types + totals on budget justification page)						
2. TUITION & FEES						
3. TRAINEE TRAVEL						
4. OTHER (fully explain on justification page)						
TOTAL PARTICIPANTS () TOTAL COST						
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						\$1,500
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						\$2,500
3. CONSULTANT SERVICES						
4. COMPUTER (ADPE) SERVICES						
5. SUBCONTRACTS						
6. OTHER includes organizational support , power charges and material burden						
TOTAL OTHER DIRECT COSTS						\$4,000
H. TOTAL DIRECT COSTS (A THROUGH G)						\$83,021
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
53.50%						
TOTAL INDIRECT COSTS						\$44,416
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$127,437
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						
L. TOTAL COST OF PROJECT (J+K)						\$127,437

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2006

ORGANIZATION SUNY at Stony Brook				Budget Page No: <u>3</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Thomas G Robertazzi - Professor				Requested Duration: <u>12</u> (Months)		
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	Thomas G Robertazzi - Professor				2.00	\$20,337
2.						
3.						
4.						
5.						
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	(1) TOTAL SENIOR PERSONNEL (1-6)				2.00	\$20,337
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	() POST DOCTORAL ASSOCIATES					
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					
3.	(3) GRADUATE STUDENTS					\$47,740
4.	() UNDERGRADUATE STUDENTS					
5.	() SECRETARIAL - CLERICAL					
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$68,077
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						\$8,880
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$76,957
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)			\$5,000
			2. FOREIGN			
TOTAL TRAVEL						\$5,000
F. TRAINEE/PARTICIPANT COSTS						
1. STIPENDS (Itemize levels, types + totals on budget justification page)						
2. TUITION & FEES						
3. TRAINEE TRAVEL						
4. OTHER (fully explain on justification page)						
TOTAL PARTICIPANTS () TOTAL COST						
G. OTHER DIRECT COSTS						
1. MATERIALS AND SUPPLIES						\$7,000
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						\$3,000
3. CONSULTANT SERVICES						
4. COMPUTER (ADPE) SERVICES						
5. SUBCONTRACTS						
6. OTHER includes organizational support , power charges and material burden						
TOTAL OTHER DIRECT COSTS						\$10,000
H. TOTAL DIRECT COSTS (A THROUGH G)						\$91,957
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
55%						
TOTAL INDIRECT COSTS						\$50,576
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$142,533
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						
L. TOTAL COST OF PROJECT (J+K)						\$142,533

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2004-FY2006

ORGANIZATION SUNY at Stony Brook				Budget Page No: <u>4</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Thomas G Robertazzi - Professor				Requested Duration: <u>36</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	by Applicant
				SUMR	by DOE
1.	Thomas G Robertazzi - Professor			6.00	\$59,252
2.					
3.					
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	(1) TOTAL SENIOR PERSONNEL (1-6)			6.00	\$59,252
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1.	() POST DOCTORAL ASSOCIATES				
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)				
3.	(3) GRADUATE STUDENTS				\$139,090
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$198,342
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$23,827
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$222,169
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$15,000
			2. FOREIGN		
TOTAL TRAVEL					\$15,000
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$15,500
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$6,500
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					
TOTAL OTHER DIRECT COSTS					\$22,000
H. TOTAL DIRECT COSTS (A THROUGH G)					\$259,169
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
For three years' IDC is 52%, 53.5%, 55%					
TOTAL INDIRECT COSTS					\$138,771
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$397,940
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$397,940

Budget Page**FY2004**

ORGANIZATION Stanford Linear Accelerator Center				Budget Page No: <u>1</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR R. Les. Cottrell				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.	R. Les Cottrell		1.00		\$12,084
2.	Connie A. Logg		2.00		\$18,500
3.	Paola Grosso		2.00		\$12,594
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	(3) TOTAL SENIOR PERSONNEL (1-6)		5.00		\$43,178
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1.	() POST DOCTORAL ASSOCIATES				
2.	(1) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		7.00		\$52,500
3.	(1) GRADUATE STUDENTS			9.00	\$19,800
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$115,478
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$28,440
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$143,918
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL					\$8,000
1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)					\$3,500
2. FOREIGN					
TOTAL TRAVEL					\$11,500
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER (Graduate-Student tuition)					
TOTAL OTHER DIRECT COSTS					\$12,600
TOTAL OTHER DIRECT COSTS					\$12,600
H. TOTAL DIRECT COSTS (A THROUGH G)					\$168,018
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS					\$55,950
TOTAL INDIRECT COSTS					\$55,950
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$223,968
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$223,968

FY2005

ORGANIZATION Stanford Linear Accelerator Center				Budget Page No: <u>2</u>		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR R. Les Cottrell				Requested Duration: <u>12</u> (Months)		
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested	
			CAL	ACAD	SUMR	
					by Applicant	
					by DOE	
1.	R. Les Cottrell		1.00	0.00	0.00	\$12,447
2.	Connie A. Logg		2.00	0.00	0.00	\$19,055
3.	Paola Grosso		3.00	0.00	0.00	\$19,458
4.				0.00	0.00	\$0
5.				0.00	0.00	\$0
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7.	(3) TOTAL SENIOR PERSONNEL (1-6)		6.00	0.00	0.00	\$50,959
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1.	(0) POST DOCTORAL ASSOCIATES		0.00			\$0
2.	(1) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		6.00			\$46,350
3.	(1) GRADUATE STUDENTS			9.00	0.00	\$20,394
4.	(0) UNDERGRADUATE STUDENTS			0.00	0.00	\$0
5.	(0) SECRETARIAL - CLERICAL		0.00			\$0
6.	() OTHER					
TOTAL SALARIES AND WAGES (A+B)						\$117,703
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)						\$28,933
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)						\$146,637
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
TOTAL PERMANENT EQUIPMENT						\$0
E. TRAVEL						
		1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)				\$8,240
		2. FOREIGN				\$3,605
TOTAL TRAVEL						\$11,845
F. TRAINEE/PARTICIPANT COSTS						
		1. STIPENDS (Itemize levels, types + totals on budget justification page)				\$0
		2. TUITION & FEES				\$0
		3. TRAINEE TRAVEL				\$0
		4. OTHER (fully explain on justification page)				\$0
		(0) TOTAL COST				\$0
G. OTHER DIRECT COSTS						
		1. MATERIALS AND SUPPLIES				
		2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				\$0
		3. CONSULTANT SERVICES				\$0
		4. COMPUTER (ADPE) SERVICES				\$0
		5. SUBCONTRACTS				\$0
		6. OTHER (Graduate-Student tuition)				\$12,978
TOTAL OTHER DIRECT COSTS						\$12,978
H. TOTAL DIRECT COSTS (A THROUGH G)						\$171,460
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						
		36% on labor and travel				
		6.8% on M&S				
TOTAL INDIRECT COSTS						\$57,053
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)						\$228,513
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						\$0
L. TOTAL COST OF PROJECT (J+K)						\$228,513

Budget Page

(See reverse for Instructions)

FY2006

ORGANIZATION Stanford Linear Accelerator Center				Budget Page No: <u>3</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR R. Les Cottrell				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.	R. Les Cottrell		1.00		\$13,205
2.	Connie A. Logg		2.00		\$19,627
3.	Paola Grosso		2.00		\$13,361
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	(4) TOTAL SENIOR PERSONNEL (1-6)		5.00		\$46,192
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1.	() POST DOCTORAL ASSOCIATES				
2.	(1) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		6.00		\$47,741
3.	(1) GRADUATE STUDENTS		9.00		\$21,006
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$114,938
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$27,976
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$142,914
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$8,487
			2. FOREIGN		\$3,713
TOTAL TRAVEL					\$12,200
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$2,040
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER (Graduate-Student tuition)					\$13,497
TOTAL OTHER DIRECT COSTS					\$15,537
H. TOTAL DIRECT COSTS (A THROUGH G)					\$170,652
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS			36% on labor and travel 6.8% on M&S		\$55,980
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$226,632
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$226,632

Budget Page

(See reverse for Instructions)

FY2004-FY2006

ORGANIZATION Stanford Linear Accelerator Center				Budget Page No: <u>4</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR R. Les Cottrell				Requested Duration: <u>36</u> (Months)	
A. SENIOR PERSONNEL: PI/PI, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.	R. Les Cottrell		3.00		\$37,735
2.	Connie A. Logg		6.00		\$57,182
3.	Paola Grosso		7.00		\$45,413
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	(3) TOTAL SENIOR PERSONNEL (1-6)		16.00		\$140,329
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. () POST DOCTORAL ASSOCIATES					
2.	(1) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)		19.00		\$146,591
3.	(2) GRADUATE STUDENTS		27.00		\$61,200
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$348,120
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$433,468
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL					
			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$24,727
			2. FOREIGN		\$10,818
TOTAL TRAVEL					\$35,545
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$2,040
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER (Graduate-Student tuition)					\$39,075
TOTAL OTHER DIRECT COSTS					\$41,115
H. TOTAL DIRECT COSTS (A THROUGH G)					\$510,129
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS					\$168,984
TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$679,113
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$679,113

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY 2004

ORGANIZATION University of New Mexico				Budget Page No: <u>1</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Timothy L. Thomas - Research Scientist				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1. Timothy L. Thomas - Research Scientist					
2.					
3.					
4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (1) TOTAL SENIOR PERSONNEL (1-6)					
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (1) POST DOCTORAL ASSOCIATES					\$50,000
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					
3. () GRADUATE STUDENTS					
4. () UNDERGRADUATE STUDENTS					
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$50,000
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$9,000
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$59,000
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$3,600
			2. FOREIGN		\$2,400
TOTAL TRAVEL					\$6,000
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$500
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					
TOTAL OTHER DIRECT COSTS					\$500
H. TOTAL DIRECT COSTS (A THROUGH G)					\$65,500
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 50% of direct less elec power					
TOTAL INDIRECT COSTS					\$32,750
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$98,250
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$98,250

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY 2005

ORGANIZATION University of New Mexico				Budget Page No: <u>2</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Timothy L. Thomas - Research Scientist				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1. Timothy L. Thomas - Research Scientist					
2.					
3.					
4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (1) TOTAL SENIOR PERSONNEL (1-6)					
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (1) POST DOCTORAL ASSOCIATES					\$51,500
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					
3. () GRADUATE STUDENTS					
4. () UNDERGRADUATE STUDENTS					
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$51,500
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$9,270
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$60,770
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$3,708
			2. FOREIGN		\$2,472
TOTAL TRAVEL					\$6,180
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$515
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					
TOTAL OTHER DIRECT COSTS					\$515
H. TOTAL DIRECT COSTS (A THROUGH G)					\$67,465
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 50% of direct less elec power					
TOTAL INDIRECT COSTS					\$33,733
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$101,198
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$101,198

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY 2006

ORGANIZATION University of New Mexico				Budget Page No: <u>3</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Timothy L. Thomas - Research Scientist				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1. Timothy L. Thomas - Research Scientist					
2.					
3.					
4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. (1) TOTAL SENIOR PERSONNEL (1-6)					
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. (1) POST DOCTORAL ASSOCIATES					\$53,045
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					
3. () GRADUATE STUDENTS					
4. () UNDERGRADUATE STUDENTS					
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$53,045
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$9,548
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$62,593
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$3,819
			2. FOREIGN		\$2,546
TOTAL TRAVEL					\$6,365
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$530
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					
TOTAL OTHER DIRECT COSTS					\$530
H. TOTAL DIRECT COSTS (A THROUGH G)					\$69,489
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 50% of direct less elec power					
TOTAL INDIRECT COSTS					\$34,744
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$104,233
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$104,233

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2004-FY2006

ORGANIZATION University of New Mexico				Budget Page No: <u>4</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Timothy L. Thomas - Research Scientist				Requested Duration: <u>36</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.	Timothy L. Thomas - Research Scientist				
2.					
3.					
4.					
5.					
6.	() OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)				
7.	(1) TOTAL SENIOR PERSONNEL (1-6)				
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1.	(1) POST DOCTORAL ASSOCIATES				\$154,545
2.	() OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)				
3.	() GRADUATE STUDENTS				
4.	() UNDERGRADUATE STUDENTS				
5.	() SECRETARIAL - CLERICAL				
6.	() OTHER				
TOTAL SALARIES AND WAGES (A+B)					\$154,545
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$27,818
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$182,363
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$11,127
			2. FOREIGN		\$7,418
TOTAL TRAVEL					\$18,545
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$1,545
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					
TOTAL OTHER DIRECT COSTS					\$1,545
H. TOTAL DIRECT COSTS (A THROUGH G)					\$202,454
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
50% of direct less elec power					
TOTAL INDIRECT COSTS					\$101,227
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$303,681
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$303,681

Budget Page**FY2004**

ORGANIZATION BNL, SLAC, USB, UMICH, UNM				Budget Page No: <u>1</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Shawn McKee, Tim Thomas				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.					
2.					
3.					
4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. () TOTAL SENIOR PERSONNEL (1-6)					\$171,381
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. () POST DOCTORAL ASSOCIATES					\$122,000
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					\$52,500
3. () GRADUATE STUDENTS					\$76,800
4. () UNDERGRADUATE STUDENTS					\$5,700
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$428,381
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$95,124
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$523,505
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$30,600
			2. FOREIGN		\$12,900
TOTAL TRAVEL					\$43,500
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$17,600
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$2,750
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					\$26,416
TOTAL OTHER DIRECT COSTS					\$46,766
H. TOTAL DIRECT COSTS (A THROUGH G)					\$613,771
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS					\$267,780
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$881,551
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$881,551

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2005

ORGANIZATION BNL, SLAC, USB, UMICH, UNM				Budget Page No: <u>2</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Shawn McKee, Tim Thomas				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.					
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4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. () TOTAL SENIOR PERSONNEL (1-6)					\$183,008
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. () POST DOCTORAL ASSOCIATES					\$125,660
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					\$46,350
3. () GRADUATE STUDENTS					\$79,104
4. () UNDERGRADUATE STUDENTS					\$5,871
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$439,993
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$98,312
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$538,306
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$30,948
			2. FOREIGN		\$13,077
TOTAL TRAVEL					\$44,025
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$8,215
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$4,750
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					\$27,150
TOTAL OTHER DIRECT COSTS					\$40,115
H. TOTAL DIRECT COSTS (A THROUGH G)					\$622,445
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS					\$272,337
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$894,782
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$894,782

U.S. Department of Energy
Budget Page
(See reverse for Instructions)

FY2006

ORGANIZATION BNL, SLAC, USB, UMICH, UNM				Budget Page No: <u>3</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Shawn McKee, Tim Thomas				Requested Duration: <u>12</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.					
2.					
3.					
4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. () TOTAL SENIOR PERSONNEL (1-6)					\$182,203
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. () POST DOCTORAL ASSOCIATES					\$129,430
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					\$47,741
3. () GRADUATE STUDENTS					\$81,477
4. () UNDERGRADUATE STUDENTS					\$6,047
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$446,897
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$100,152
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$547,049
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$31,306
			2. FOREIGN		\$12,259
TOTAL TRAVEL					\$43,566
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$13,270
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$5,250
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					\$28,036
TOTAL OTHER DIRECT COSTS					\$46,557
H. TOTAL DIRECT COSTS (A THROUGH G)					\$637,172
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS					\$280,323
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$917,495
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$917,495

DOE F 4620.1

(04-93)

All Other Editions Are Obsolete

U.S. Department of Energy

Budget Page

(See reverse for Instructions)

OMB Control No.

1910-1400

OMB Burden Disclosure

Statement on Reverse

FY2004-FY2006

ORGANIZATION BNL, SLAC, USB, UMICH, UNM				Budget Page No: <u>4</u>	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Shawn McKee, Tim Thomas				Requested Duration: <u>36</u> (Months)	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates (List each separately with title; A.6. show number in brackets)			DOE Funded Person-mos.		Funds Requested
			CAL	ACAD	SUMR
					by Applicant
					by DOE
1.					
2.					
3.					
4.					
5.					
6. () OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
7. () TOTAL SENIOR PERSONNEL (1-6)					\$536,592
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					
1. () POST DOCTORAL ASSOCIATES					\$377,090
2. () OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)					\$146,591
3. () GRADUATE STUDENTS					\$237,381
4. () UNDERGRADUATE STUDENTS					\$17,618
5. () SECRETARIAL - CLERICAL					
6. () OTHER					
TOTAL SALARIES AND WAGES (A+B)					\$1,315,271
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$293,588
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$1,608,860
D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)					
TOTAL PERMANENT EQUIPMENT					
E. TRAVEL			1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)		\$92,854
			2. FOREIGN		\$38,236
TOTAL TRAVEL					\$131,091
F. TRAINEE/PARTICIPANT COSTS					
1. STIPENDS (Itemize levels, types + totals on budget justification page)					
2. TUITION & FEES					
3. TRAINEE TRAVEL					
4. OTHER (fully explain on justification page)					
TOTAL PARTICIPANTS () TOTAL COST					
G. OTHER DIRECT COSTS					
1. MATERIALS AND SUPPLIES					\$39,085
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$12,750
3. CONSULTANT SERVICES					
4. COMPUTER (ADPE) SERVICES					
5. SUBCONTRACTS					
6. OTHER includes organizational support , power charges and material burden					\$81,602
TOTAL OTHER DIRECT COSTS					\$133,438
H. TOTAL DIRECT COSTS (A THROUGH G)					\$1,873,388
I. INDIRECT COSTS (SPECIFY RATE AND BASE)					
TOTAL INDIRECT COSTS					\$820,439
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$2,693,827
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES					
L. TOTAL COST OF PROJECT (J+K)					\$2,693,827