	DOE F 4620.1 (04-93) All Other Editions Are Obsolete	U.S. Department o Budget Pa (See reverse for Ins FY2004	age				OMB Control No. 1910-1400 OMB Burden Disclosure Statement on Reverse
OR	GANIZATION					Budget Page No:	1
	Brookhaven National Laboratory						
PRI						Requested Duration:	12 (Months)
A C		r Annonistan		OE Funde	d		r
	SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior (List each separately with title; A.6. show number in brackets)	Associates		Person-mo		Funds Requested	Funds Granted
(	List each separately with title, A.O. show humber in brackets)		CAL	ACAD	s. SUMR	by Applpicant	by DOE
1.	Dantong Yu		0/12	110/12	1.00	\$7,000	5,502
2.	Richard Baker				1.00	\$8,000	
3.							
4.							
5.							
6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANA	TION PAGE)					
7.	( ) TOTAL SENIOR PERSONNEL (1-6)				2.00	\$15,000	
В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. (	2 ) POST DOCTORAL ASSOCIATES		24.00			\$72,000	
2. (	) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMME	ER, ETC.)					
3. (	2 ) GRADUATE STUDENTS					\$12,000	
4. (	) UNDERGRADUATE STUDENTS						
5. (	) SECRETARIAL - CLERICAL						
6. (	) OTHER					<b>*</b> 00.000	
	TOTAL SALARIES AND WAGES (A+B)	00 70/ 6	(00.00			\$99,000	
C.	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)	38.7% for sr. p	erson/28.6%	% for po	st doc	\$26,397	
D.	TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+ PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMO					\$125,397	
	TOTAL PERMANENT EQUIPMENT						
E.		MESTIC (INCL. CANADA AND U.S. P	OSSESSIONS			\$7,000	
		REIGN	00020010110)			\$3,000	
	<u> </u>						
	TOTAL TRAVEL					\$10,000	
F.	TRAINEE/PARTICIPANT COSTS						
	1. STIPENDS (Itemize levels, types + totals on budget justific	cation 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/DISSEMINAT	ION				\$1,500	
	3. CONSULTANT SERVICES						
	4. COMPUTER (ADPE) SERVICES						
	5. SUBCONTRACTS						
	6. OTHER includes organizational support, power charges and	nd material burden				\$13,816	
	TOTAL OTHER DIRECT COSTS					\$17,316	ļ
H.	TOTAL DIRECT COSTS (A THROUGH G)					\$152,713	
I.	INDIRECT COSTS (SPECIFY RATE AND BASE)						
	39.2% of direct less elec power					¢50.000	
						\$59,326 \$212,030	
J.						\$212,039	
K.	AMOUNT OF ANY REQUIRED COST SHARING FROM NON	I-FEDERAL SOURCES				\$212,039	
L.	TOTAL COST OF PROJECT (J+K)					φ∠1∠,039	1

	DOE F 4620.1 (04-93) All Other Editions Are Obsolete	U.S. Department of Ene Budget Page (See reverse for Instruction FY2005					OMB Control No. 1910-1400 OMB Burden Disc Statement on Rec	
OR	GANIZATION					Budget Page No:	2	
	Brookhaven National Laboratory							
PRI	INCIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12	(Months)
							1	
	SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senic (List each separately with title; A.6. show number in brackets)	or Associates	DOE Funded Person-mos.			Funds Requested	Funds Grar	atod
(			CAL	ACAD	s. SUMR	by Applpicant	by DOE	
1.	Dantong Yu		0,12	110/12	1.00	\$7,210	5,502	
2.	Richard Baker				1.00	\$8,240		
3.								
4.								
5.								
6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLAN/	ATION PAGE)						
7.	( ) TOTAL SENIOR PERSONNEL (1-6)				2.00	\$15,450		
В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)		01.00			¢74.400		
1. (			24.00			\$74,160		
2. ( 3. (		IER, ETC.)				\$12,360		
3. ( 4. (						φ12,000		
( 5. (	,							
6. (								
	TOTAL SALARIES AND WAGES (A+B)					\$101,970		
C.	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)	38.7% for sr. person	/28.69	% for po	st doc	\$27,189		
	TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+	+C)				\$129,159		
	TOTAL PERMANENT EQUIPMENT							
E.	TRAVEL 1. DO	OMESTIC (INCL. CANADA AND U.S. POSSES	SIONS)	)		\$7,000		
	2. FC	DREIGN				\$3,000		
	TOTAL TRAVEL					\$10,000		
F.	TRAINEE/PARTICIPANT COSTS 1. STIPENDS (Itemize levels, types + totals on budget justif	ication 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/DISSEMINAT	TION				\$2,000		
	3. CONSULTANT SERVICES							
	4. COMPUTER (ADPE) SERVICES     5. SUBCONTRACTS							
	5. SUBCONTRACTS     6. OTHER includes organizational support , power charges a	and material burden				\$14,172		
	TOTAL OTHER DIRECT COSTS					\$17,172		
H.	TOTAL DIRECT COSTS (A THROUGH G)					\$156,331	I	
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	N-FEDERAL SOURCES						
L.	TOTAL COST OF PROJECT (J+K)					\$217,055		

						OMB Control No.	
DOE F 4620.1     U.S. Department of Energy       (04-93)     Budget Page							
(04-93)	Budg	et Page				1910-1400	
All Other Editions Are Obsolete	(See reverse	for Instructions)				OMB Burden Disclosure	
						Statement on Reverse	
	F۱	2006			1		
ORGANIZATION Brookhaven National Laboratory					Budget Page No:	3	
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12 (Months)	
Dantong Yu						(	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other	Senior Associates	C	OE Fund	ed			
(List each separately with title; A.6. show number in bracke	ets)	F	Person-mo	DS.	Funds Requested	Funds Granted	
		CAL	ACAD	SUMR	by Applpicant	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 EXP	'LANATION PAGE)			2.00	\$15,914		
7. ( ) TOTAL SENIOR PERSONNEL (1-6)		(	1:1:1:1:1:1:1	2.00	\$15,914		
<ul> <li>B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKET</li> <li>1. (2) POST DOCTORAL ASSOCIATES</li> </ul>	15)	24.00			\$76,385		
		24.00			\$70,365		
2. ( ) OTHER PROFESSIONAL (TECHNICIAN, PROGR 3. ( 2 ) GRADUATE STUDENTS	AWWIER, ETC.)				\$12,731		
4. ( ) UNDERGRADUATE STUDENTS					ψ12,701		
5. ( ) SECRETARIAL - CLERICAL							
6. ( ) OTHER							
TOTAL SALARIES AND WAGES (A+B)					\$105,029		
C. FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS	38.7% 1	for sr. person/28.69	% for po	ost doc	\$28,005		
TOTAL SALARIES, WAGES AND FRINGE BENEFITS (	A+B+C)				\$133,034		
TOTAL PERMANENT EQUIPMENT					<b>*7</b> 000		
	1. DOMESTIC (INCL. CANADA AN	ID U.S. POSSESSIONS)	)		\$7,000 \$3,000		
-	2. FOREIGN				<del>ა</del> ა,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 C	OST					
G. OTHER DIRECT COSTS							
1. MATERIALS AND SUPPLIES					\$500		
2. PUBLICATION COSTS/DOCUMENTATION/DISSEM	INATION				\$2,000		
3. CONSULTANT SERVICES							
4. COMPUTER (ADPE) SERVICES							
5. SUBCONTRACTS 6. OTHER includes organizational support , power char	and motorial burdon				\$14,539		
TOTAL OTHER DIRECT COSTS	ges and material burden				\$17,039		
H. TOTAL DIRECT COSTS (A THROUGH G)					\$160,073		
					÷ • • • • •		
I. INDIRECT COSTS (SPECIFY RATE AND BASE)						• • • • • • • • • • • • • • • • • • •	
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 39.2% of direct less elec power TOTAL INDIRECT COSTS					\$62,172		
39.2% of direct less elec power					\$62,172 \$222,245		
39.2% of direct less elec power TOTAL INDIRECT COSTS	NON-FEDERAL SOURCES						

DOE F 4620	0.1	•	partment of Energy				OMB Control No.
(04-93)			dget Page				1910-1400
All Other Ed	litions Are Obsolete	(See reve	erse for Instructions)				OMB Burden Disclosu
		EV2	2004-FY2006				Statement on Reverse
ORGANIZATION						Budget Page No:	4
Brook	haven National Laboratory						
	STIGATOR/PROJECT DIRECTOR					Requested Duration:	36 (Mon
	ntong Yu SONNEL: PI/PD, Co-PI's, Faculty and Ot	then Conting Appendiates		DOE Fund			1
	arately with title; A.6. show number in bra			Person-ma		Funds Requested	Funds Granted
(2.01 0001 0001			CAL	ACAD	SUMR	by Applpicant	by DOE
1. Dant	tong Yu				3.00	\$21,636	
2. Richa	ard Baker				3.00	\$24,727	
3.							
k.							
, ,	RS (LIST INDIVIDUALLY ON BUDGET DTAL SENIOR PERSONNEL (1-6)	EXPLANATION PAGE)			6.00	\$46.364	
. ,	RSONNEL (SHOW NUMBERS IN BRAC				0.00	ψ <del>-</del> τ0,00 <del>4</del>	
	DOCTORAL ASSOCIATES		24.00	)		\$222,545	
	R PROFESSIONAL (TECHNICIAN, PRO	DGRAMMER, ETC.)	2 ///00	1		÷===2,010	1
	DUATE STUDENTS	. ,				\$37,091	
. ( ) UNDE	RGRADUATE STUDENTS						
5. ( ) SECR	ETARIAL - CLERICAL						
6. ( ) OTHE	R						
	ARIES AND WAGES (A+B)					\$305,999	
	ENEFITS (IF CHARGED AS DIRECT CO						
	ARIES, WAGES AND FRINGE BENEFI NT EQUIPMENT (LIST ITEM AND DOLI	TS (A+B+C)	7% for sr. person/28.6	% for po	ost doc	\$81,590 \$387,590	
		TS (A+B+C)	7% for sr. person/28.6	% for po	ost doc		
D. PERMANEN TOTAL PER		TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)			ost doc	\$387,590	
D. PERMANEN TOTAL PER	NT EQUIPMENT (LIST ITEM AND DOLI	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD			ost doc	\$387,590	
D. PERMANEN TOTAL PER	NT EQUIPMENT (LIST ITEM AND DOLI	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)			ost doc	\$387,590	
D. PERMANEN TOTAL PER E. TRAVEL	NT EQUIPMENT (LIST ITEM AND DOLI	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD			ost doc	\$387,590 \$21,000 \$9,000	
D. PERMANEN TOTAL PER E. TRAVEL TOTAL TRA	NT EQUIPMENT (LIST ITEM AND DOLI	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD			ost doc	\$387,590	
D. PERMANEN TOTAL PER E. TRAVEL TOTAL TRA F. TRAINEE/P	NT EQUIPMENT (LIST ITEM AND DOLI RMANENT EQUIPMENT	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD 2. FOREIGN			ost doc	\$387,590 \$21,000 \$9,000	
D. PERMANEN TOTAL PER E. TRAVEL TOTAL TRA F. TRAINEE/P	NT EQUIPMENT (LIST ITEM AND DOLI RMANENT EQUIPMENT AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on but	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD 2. FOREIGN				\$387,590 \$21,000 \$9,000	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA T. TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE	NT EQUIPMENT (LIST ITEM AND DOLI RMANENT EQUIPMENT AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buc v & FEES E TRAVEL	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD 2. FOREIGN				\$387,590 \$21,000 \$9,000	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER	NT EQUIPMENT (LIST ITEM AND DOLI RMANENT EQUIPMENT AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buc N & FEES E TRAVEL (fully explain on justification page)	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD) 2. FOREIGN dget justification page)	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL PAR TOTAL PAR	NT EQUIPMENT (LIST ITEM AND DOLI RMANENT EQUIPMENT AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buc N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS (	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD, 2. FOREIGN dget justification page)				\$387,590 \$21,000 \$9,000	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 3. OTHER DIR	AVEL AVEL AVEL INTEQUIPMENT COSTS DS (Itemize levels, types + totals on buc N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS ( RECT COSTS	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD) 2. FOREIGN dget justification page)	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 5. OTHER DIR 1. MATERI	AVEL AVEL AVEL AVEL INTICIPANT COSTS DS (Itemize levels, types + totals on buc N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS (RECT COSTS IALS AND SUPPLIES	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD. 2. FOREIGN dget justification page) ) TOTA	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$33,500	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA . TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 5. OTHER DIR 1. MATERI 2. PUBLIC,	AVEL AVEL AVEL SATICIPANT COSTS DS (Itemize levels, types + totals on buc N & FEES E TRAVEL (fully explain on justification page) ATICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD. 2. FOREIGN dget justification page) ) TOTA	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA . TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 5. OTHER DIR 1. MATERI 2. PUBLIC, 3. CONSUL	AVEL AVEL AVEL AVEL INTICIPANT COSTS DS (Itemize levels, types + totals on buc N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS (RECT COSTS IALS AND SUPPLIES	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD. 2. FOREIGN dget justification page) ) TOTA	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$33,500	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA . TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 5. OTHER DIR 1. MATERI 2. PUBLIC, 3. CONSUL	AVEL AVEL AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buck N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LTANT SERVICES ITER (ADPE) SERVICES	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.) 1. DOMESTIC (INCL. CANAD. 2. FOREIGN dget justification page) ) TOTA	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$33,500	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA . TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 3. OTHER DIR 1. MATERI 2. PUBLIC, 3. CONSUL 4. COMPU 5. SUBCOL	AVEL AVEL AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buck N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LTANT SERVICES ITER (ADPE) SERVICES	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)  1. DOMESTIC (INCL. CANAD. 2. FOREIGN  dget justification page) ) TOTA SEMINATION	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$35,500 \$5,500 \$42,527	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL PAR 3. TRAINE 4. OTHER TOTAL PAR 3. OTHER DIR 1. MATERI 2. PUBLIC, 3. CONSUI 4. COMPU 5. SUBCOI 6. OTHER	AVEL AVEL AVEL AVEL (fully explain on justification page) RTICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LTANT SERVICES ITER (ADPE) SERVICES NTRACTS	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)  1. DOMESTIC (INCL. CANAD. 2. FOREIGN  dget justification page) ) TOTA SEMINATION	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$35,500 \$5,500 \$42,527 \$51,527	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL PAR TOTAL PAR TOTAL PAR TOTAL PAR CONSUL 2. PUBLIC 3. CONSUL 4. COMPU 5. SUBCOL 6. OTHER TOTAL 0	AVEL AVEL AVEL Control Costs DS (Itemize levels, types + totals on buck & FEES E TRAVEL (fully explain on justification page) RTICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LTANT SERVICES ITER (ADPE) SERVICES NTRACTS includes organizational support , power	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)  1. DOMESTIC (INCL. CANAD. 2. FOREIGN  dget justification page) ) TOTA SEMINATION	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$30,000 \$3,500 \$5,500 \$42,527	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL PER TOTAL COMPU 5. SUBCOI 6. OTHER TOTAL OR	AVEL AVEL AVEL AVEL ATTICIPANT COSTS DS (Itemize levels, types + totals on buc N & FEES E TRAVEL (fully explain on justification page) ATTICIPANTS (RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LTANT SERVICES ITER (ADPE) SERVICES ITER (ADPE) SERVICES ITER (ADPE) SERVICES ITER COSTS INTRACTS INCLUDES INTRACTS INTR	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)  1. DOMESTIC (INCL. CANAD. 2. FOREIGN  dget justification page) ) TOTA SEMINATION	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$35,500 \$5,500 \$42,527 \$51,527	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 3. OTHER DIR 1. MATERI 2. PUBLIC/ 3. CONSUI 4. COMPU 5. SUBCOI 6. OTHER TOTAL CR 1. TOTAL DIR . INDIRECT C	AVEL AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buck N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LITANT SERVICES ITER (ADPE) SERVICES NTRACTS includes organizational support , power OTHER DIRECT COSTS ECT COSTS (A THROUGH G) COSTS (SPECIFY RATE AND BASE) 39.2% of direct less elec power	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)  1. DOMESTIC (INCL. CANAD. 2. FOREIGN  dget justification page) ) TOTA SEMINATION	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$35,500 \$5,500 \$42,527 \$42,527 \$469,116	
D. PERMANEN TOTAL PER TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL TRA TOTAL PER TOTAL PER TOTAL PER TOTAL PER TOTAL PER TOTAL PER TOTAL PER TOTAL PER TOTAL OF TOTAL OF TOTAL OF TOTAL DIR TOTAL IND	AVEL AVEL AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buck & FEES E TRAVEL (fully explain on justification page) ATICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LITANT SERVICES ITER (ADPE) SERVICES NTRACTS includes organizational support , power OTHER DIRECT COSTS ECT COSTS (A THROUGH G) COSTS (SPECIFY RATE AND BASE) 39.2% of direct less elec power IRECT COSTS	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)  1. DOMESTIC (INCL. CANAD. 2. FOREIGN  dget justification page) ) TOTA SEMINATION	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$35,500 \$5,500 \$42,527 \$51,527 \$469,116 \$182,223	
D. PERMANEN TOTAL PER E. TRAVEL TOTAL TRA F. TRAINEE/P. 1. STIPENI 2. TUITION 3. TRAINE 4. OTHER TOTAL PAR 3. OTHER DIR 1. MATERI 2. PUBLIC/ 3. CONSUI 4. COMPU 5. SUBCOI 6. OTHER TOTAL DIR 1. INDIRECT O TOTAL IND J. TOTAL DIR	AVEL AVEL ARTICIPANT COSTS DS (Itemize levels, types + totals on buck N & FEES E TRAVEL (fully explain on justification page) RTICIPANTS ( RECT COSTS IALS AND SUPPLIES ATION COSTS/DOCUMENTATION/DIS LITANT SERVICES ITER (ADPE) SERVICES NTRACTS includes organizational support , power OTHER DIRECT COSTS ECT COSTS (A THROUGH G) COSTS (SPECIFY RATE AND BASE) 39.2% of direct less elec power	TS (A+B+C) LAR AMOUNT FOR EACH ITEM.)  1. DOMESTIC (INCL. CANAD. 2. FOREIGN  dget justification page) ) TOTA SEMINATION charges and material burden	A AND U.S. POSSESSIONS			\$387,590 \$21,000 \$9,000 \$30,000 \$30,000 \$35,500 \$5,500 \$42,527 \$42,527 \$469,116	

(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

	F f 2004	4					
OR	GANIZATION University of Michigan				Budget Page No:	1	
PRI	NCIPAL INVESTIGATOR/PROJECT DIRECTOR Shawn McKee				Requested Duration:	12	(Months)
AS	ENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates	п	OE Funde	d			
	List each separately with title; A.6. show number in brackets)		erson-mo		Funds Requested	Funds	Granted
(		CAL	ACAD	SUMR	by Applpicant		DOE
1.	Shawn McKee	1.00	0.00	0.00	\$6,033		502
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		
В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. (	) POST DOCTORAL ASSOCIATES	0.00			\$0	1-	
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		\$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.)						
					\$0		
_		20002001010			•		
E.	TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S.	POSSESSIONS)			\$7,000 \$4,000		
	2. FOREIGN				φ4,000		
	TOTAL TRAVEL				\$11,000		
F.	TRAINEE/PARTICIPANT COSTS				ψ11,000		
г.					\$0		
	1. STIPENDS (Itemize levels, types + totals on budget justification page)				\$0		
	2. TUITION & FEES				\$0		
	<ol> <li>TRAINEE TRAVEL</li> <li>OTHER (fully explain on justification page)</li> </ol>				\$0		
	TOTAL PARTICIPANTS (0) TOTAL COST				\$0 \$0		
~	OTHER DIRECT COSTS				ΨŬ		
G.					\$8,100	: : : : : : : : :	
	MATERIALS AND SUPPLIES     PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				\$250		
	3. CONSULTANT SERVICES				\$0		
	4. COMPUTER (ADPE) SERVICES				\$0 \$0		
	5. SUBCONTRACTS				\$0 \$0		
-	6. OTHER (Graduate-Student tuition)				\$0		
-	TOTAL OTHER DIRECT COSTS				\$8,350		
	TOTAL DIRECT COSTS (A THROUGH G)				\$143,349		
Н.	INDIRECT COSTS (SPECIFY RATE AND BASE)						
H. I.							
-	53% TOTAL INDIRECT COSTS				\$75.975		
	53%				\$75,975 \$219,324		
-	53% TOTAL INDIRECT COSTS						

ORGA		U.S. Department of Energy Budget Page					OMB Control 1910-1400					
ORGA					(04-93) Budget Page							
ORGA	All Other Editions Are Obsolete	All Other Editions Are Obsolete (See reverse for Instructions)										
							OMB Burden					
		FY2005					Statement or	n Reverse				
PRINC	NIZATION					Budget Page No:	2					
PRINC	University of Michigan											
	CIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12	(Months)				
	Shawn McKee						1					
	NIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Asso	ciates		OE Funde								
(Lis	st each separately with title; A.6. show number in brackets)		- 1	erson-mos		Funds Requested		Granted				
		CAL	-	ACAD	SUMR	by Applpicant	by I	DOE				
1.	Shawn McKee	1.0	_	0.00	0.00	\$6,214						
2.	John Vollbrecht	4.2	_	0.00	0.00	\$28,840						
3.	Physics Postdoc	12.0	)0	0.00	0.00	\$61,800						
4. 5			-	0.00	0.00	\$0 \$0						
5. 6 (			-	0.00	0.00	φυ						
6. ( 7.	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION ( 3 ) TOTAL SENIOR PERSONNEL (1-6)	PAGE) 17.2	20	0.00	0.00	\$96,854						
		17.2		0.00	0.00	ψ30,03 <del>4</del>						
	DTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)	0.0				\$0						
			_			\$0						
2. ( 3. (	<ul> <li>) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, E</li> <li>) GRADUATE STUDENTS</li> </ul>	0.0	50	0.00	0.00	\$0						
,		hours)		0.00	0.00	\$5,871						
	O ) UNDERGRADUATE STUDENTS (hourly-300     SECRETARIAL - CLERICAL	0.0	0	0.00	0.00	\$5,871						
5. ( ( 6. (	) OTHER	0.0	0			ψυ						
	FOTAL SALARIES AND WAGES (A+B)					\$102,725						
-	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$24,994						
	FOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$127,719						
	PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT F					φ121,110						
т	FOTAL PERMANENT EQUIPMENT				j	\$0						
E. T	TRAVEL 1. DOMES	TIC (INCL. CANADA AND U.S. POSSESSIONS	S)			\$7,000						
	2. FOREIG	N				\$4,000						
Т	TOTAL TRAVEL					\$11,000						
F. T	FRAINEE/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						
	OTHER DIRECT COSTS					<b>AE 000</b>						
	1. MATERIALS AND SUPPLIES					\$5,200						
	2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION					\$250						
	3. CONSULTANT SERVICES					\$0						
	4. COMPUTER (ADPE) SERVICES					\$0						
	5. SUBCONTRACTS					\$0 \$0						
<u> </u>	6. OTHER (Graduate-Student tuition) TOTAL OTHER DIRECT COSTS					\$5,450						
Н. Т	TOTAL DIRECT COSTS (A THROUGH G)					\$3,450 \$144,169						
_						שטו, דדו ש						
и. II	NDIRECT COSTS (SPECIFY RATE AND BASE) 53%											
т	TOTAL INDIRECT COSTS					\$76,410						
	FOTAL DIRECT AND INDIRECT COSTS (H+I)					\$220,579						
	AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDI	RAL SOURCES				\$0						
	TOTAL COST OF PROJECT (J+K)					\$220,579						

Г

(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

	FY2006						
ORG	ANIZATION				Budget Page No:	3	_
	University of Michigan					10	
PRI	ICIPAL INVESTIGATOR/PROJECT DIRECTOR Shawn McKee				Requested Duration:	12	(Months)
A. S	ENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates	D	OE Funde	ed			
	ist each separately with title; A.6. show number in brackets)		erson-mo		Funds Requested	Funds	Granted
		CAL	ACAD	SUMR	by Applpicant	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		
В.	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		
					<b>50</b>		
	TOTAL PERMANENT EQUIPMENT				\$0		
E.	TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POS	SESSIONS)			\$7,000		
	2. FOREIGN				\$3,000		
	TOTAL TRAVEL				\$10,000		
F.	TRAINEE/PARTICIPANT COSTS				φ10,000		
г.	1. STIPENDS (Itemize levels, types + totals on budget justification page)				\$0		
	2. TUITION & FEES				\$0		
	3. TRAINEE TRAVEL				\$0 \$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		
Н.	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		
	TOTAL COST OF PROJECT (J+K)				\$221,851		

DOE F 4620.1 (04-93) All Other Editions Are Obsolete	(04-93) Budget Page						
	FY2004-FY2006					Statement on I	Reverse
ORGANIZATION	112004-112000				Budget Page No:	4	
University of Michigan							
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	36	(Months)
Shawn McKee						1	
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior A	ssociates		DE Funde				
(List each separately with title; A.6. show number in brackets)	CAL	Т	erson-mo	s. SUMR	Funds Requested	Funds G	
1. Shawn McKee	3.0	_	0.00	0.00	by Applpicant \$18,648	by D	UE
2. John Vollbrecht	12.6	_	0.00	0.00	\$86,545		
3. Physics Postdoc	36.0	_	0.00	0.00	\$185,454		
4.		Т	0.00	0.00	\$0		
5.			0.00	0.00	\$0		
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANAT							
7. (3) TOTAL SENIOR PERSONNEL (1-6)	51.6	0	0.00	0.00	\$290,647		
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					<b>*</b> 0		
1. ( ) POST DOCTORAL ASSOCIATES	0.0	_			\$0 \$0		
2. ( ) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER 3. ( 2 ) GRADUATE STUDENTS	, ETC.) 0.0	0	0.00	0.00	\$0 \$0		
			0.00		\$0 \$17,618		
4. (2) UNDERGRADUATE STUDENTS     (Hourly -       5. (0) SECRETARIAL - CLERICAL	900 total hours)	0	0.00	0.00	\$17,018		
6. ( ) OTHER	0.0	<u> </u>			ψυ		
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		
TOTAL PERMANENT EQUIPMENT					\$0		
E. TRAVEL 1. DOM	ESTIC (INCL. CANADA AND U.S. POSSESSION	S)			\$21,000		
2. FOR	IGN				\$11,000		
					¢22.000		
					\$32,000		
F. TRAINEE/PARTICIPANT COSTS     1. STIPENDS (Itemize levels, types + totals on budget justifica	ion page)				\$0		
2. TUITION & FEES	ion page)				\$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/DISSEMINATIO	N				\$750		
3. CONSULTANT SERVICES					\$0		
4. COMPUTER (ADPE) SERVICES					\$0		
5. SUBCONTRACTS					\$0 \$0		
6. OTHER (Graduate-Student tuition)					\$0 \$17,250		
TOTAL OTHER DIRECT COSTS H. TOTAL DIRECT COSTS (A THROUGH G)					\$432,519		
I. INDIRECT COSTS (SPECIFY RATE AND BASE) 53%					ψτσ2,013		
TOTAL INDIRECT COSTS					\$229,235		<u>1-1-1-1-1-1-1-1</u> -1-1-1-1-1-1-1-1-1-1-1-
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$661,754		
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-F	EDERAL SOURCES				\$0		
					\$661,754		

# U.S. Department of Energy

	DOE F 4620.1	U.S. Department of I	•••				OMB Control No.
	(04-93)	Budget Page	ge				1910-1400
	All Other Editions Are Obsolete	(See reverse for Instru	-				OMB Burden Disclosure
		(	,				Statement on Reverse
		FY2004					
OR	GANIZATION					Budget Page No:	1
	SUNY at Stony Brook					0 0	
PRI	NCIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12 (Months)
	Thomas G Robertazzi - Professor						( , , , , , , , , , , , , , , , ,
A. S	SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associate	S	D	OE Funde	ed		
	List each separately with title; A.6. show number in brackets)			Person-mo		Funds Requested	Funds Granted
``			CAL	ACAD	SUMR	by Applpicant	by DOE
1.	Thomas G Robertazzi - Professor		ONL	110/10	2.00	\$19,170	5,502
_					2.00	<i>\</i> 10,110	
2. 3. 4.							
э. 4							
4. 5.							
5. 6. (							
6. ( 7.	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAG	5E)			2.00	¢10 170	
-	( 1 ) TOTAL SENIOR PERSONNEL (1-6)				2.00	\$19,170	
В.	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 i i em. <i>)</i>					
_						\$5.000	
E.		(INCL. CANADA AND U.S. POS	SESSIONS)			\$5,000	
	2. FOREIGN						
						\$5,000	
_	TOTAL TRAVEL					ψυ,υυυ	
F.							
	1. STIPENDS (Itemize levels, types + totals on budget justification page	e)					
	2. TUITION & FEES						
	3. TRAINEE TRAVEL						
	4. OTHER (fully explain on justification page)	70711 0007					
	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 materia	I burden					
	TOTAL OTHER DIRECT COSTS					\$8,000	
Н.	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	LSOURCES					
L.	TOTAL COST OF PROJECT (J+K)					\$127,970	

DOE F 4620.1	U.S. Department of E	•••				OMB Control No.
(04-93)	Budget Pag	е				1910-1400
All Other Editions Are Obsolete	(See reverse for Instruc					OMB Burden Disclosure
	(	,				Statement on Reverse
	FY2005					
ORGANIZATION					Budget Page No:	2
SUNY at Stony Brook						
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12 (Months)
Thomas G Robertazzi - Professor					requested Buruton.	(Montaio)
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associate		Г	OE Funde	h		
(List each separately with title; A.6. show number in brackets)	.5		Person-mo		Funds Requested	Funds Granted
(List each separately with title, A.o. show humber in brackets)		CAL	ACAD	s. SUMR		
1. Thomas G Robertazzi - Professor		CAL	ACAD	2.00	by Applpicant \$19,745	by DOE
				2.00	φ1 <del>3</del> ,7 <del>4</del> 3	
2. 3. 4.						
3.		-				
5.						
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAG	SE)					
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					•••••••	
TOTAL PERMANENT EQUIPMENT						
E. TRAVEL 1. DOMESTIC (	INCL. CANADA AND U.S. POSS	ESSIONS)			\$5,000	
2. FOREIGN						
TOTAL TRAVEL					\$5,000	
F. TRAINEE/PARTICIPANT COSTS					<b>40,000</b>	
	-)					
<ol> <li>STIPENDS (Itemize levels, types + totals on budget justification page –          –          –</li></ol>	=)					
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 materia	I 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	

	DOE F 4620.1	U.S. Department of	•••				OMB Control No.	
	(04-93)	Budget Pag	ge				1910-1400	
	All Other Editions Are Obsolete	(See reverse for Instru	uctions)				OMB Burden Disclosure	
							Statement on Reverse	
		FY2006						
OR	GANIZATION					Budget Page No:	3	
	SUNY at Stony Brook							
PRI	NCIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12 (Months)	
	Thomas G Robertazzi - Professor			OE Funde				
	ENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associate	st each separately with title; A.6. show number in brackets) Person-mos.						
(			CAL	ACAD	SUMR	Funds Requested by Applpicant	Funds Granted by DOE	
1.	Thomas G Robertazzi - Professor		0,12	110/12	2.00	\$20,337	0,002	
2.						+,		
3.								
4.								
5.								
6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAG	GE)						
7.	( 1 ) TOTAL SENIOR PERSONNEL (1-6)				2.00	\$20,337		
В.	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							
	TOTAL PERMANENT EQUIPMENT							
E.	TRAVEL 1. DOMESTIC	(INCL. CANADA AND U.S. POS	SESSIONS)			\$5,000		
	2. FOREIGN							
	TOTAL TRAVEL					\$5,000		
F.	TRAINEE/PARTICIPANT COSTS					φ0,000		
· ·	<ol> <li>STIPENDS (Itemize levels, types + totals on budget justification page</li> </ol>	e)						
	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 materia	l burden				<b>*</b> 10 00-		
	TOTAL OTHER DIRECT COSTS					\$10,000		
H.	TOTAL DIRECT COSTS (A THROUGH G)					\$91,957		
I.	INDIRECT COSTS (SPECIFY RATE AND BASE)							
						¢50.576		
<u> </u>						\$50,576 \$142,533		
J. K.	TOTAL DIRECT AND INDIRECT COSTS (H+I) AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL					ψ1+2,000		
г. I	TOTAL COST OF PROJECT (J+K)					\$142,533		
L.	IS THE OUD OF TROJECT (JTR)					ψ1-2,000	1	

DOE F 4620.1	U.S. Department of E					OMB Control No.		
(04-93)	Budget Pag	je				1910-1400		
All Other Editions Are Obsolete	(See reverse for Instru	ictions)				OMB Burden Disclosure		
						Statement on Reverse		
	FY2004-FY20	06			<b>-</b>			
ORGANIZATION					Budget Page No:	4		
SUNY at Stony Brook						36 (Months)		
PRINCIPAL INVESTIGATOR/PROJECT DIRECTOR								
Thomas G Robertazzi - Professor			OE Funde					
A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associate								
(List each separately with title; A.6. show number in brackets)	S.	Funds Requested	Funds Granted					
1. Thomas G Robertazzi - Professor	SUMR 6.00	by Applpicant \$59,252	by DOE					
Thomas G Robertazzi - Professor     2.				0.00	ψ09,202			
3.								
4.								
5.								
6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAG	GE)							
7. (1) TOTAL SENIOR PERSONNEL (1-6)				6.00	\$59,252			
B. OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)								
1. ( ) POST DOCTORAL ASSOCIATES				<u></u>	<u>, , , , , , , , , , , , , , , , , , , </u>			
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								
					¢15,000			
	(INCL. CANADA AND U.S. POS	SESSIONS)			\$15,000			
2. FOREIGN								
TOTAL TRAVEL					\$15,000			
F. TRAINEE/PARTICIPANT COSTS					+ ,			
1. STIPENDS (Itemize levels, types + totals on budget justification pag	e)							
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 materia	l burden				\$22,000			
					\$259,169			
H. TOTAL DIRECT COSTS (A THROUGH G)								
I. INDIRECT COSTS (SPECIFY RATE AND BASE)								
For three years' IDC is 52%, 53.5%, 55%         \$138,771           TOTAL INDIRECT COSTS         \$138,771								
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$397,940			
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERA	L SOURCES							
L. TOTAL COST OF PROJECT (J+K)					\$397,940			

(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						
ORG	GANIZATION					Budget Page No:	1	
	Stanford Linear Accelerator Center						10	
PRIM						Requested Duration:	12	(Months)
	R. Les. Cottrell							
	ENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Assoc	ciates		OE Funde				
(1	ist each separately with title; A.6. show number in brackets)			Person-mo	1	Funds Requested	Funds	
	2.4		CAL	ACAD	SUMR	by Applpicant \$12,084	by I	DOE
1.	R. Les Cottrell		1.00 2.00			\$12,084		
2.	Connie A. Logg							
3.	Paola Grosso		2.00			\$12,594		
4. 5								
5. 6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION		_					
o. ( 7.	(3) TOTAL SENIOR PERSONNEL (1-6)	FAGE)	5.00			\$43,178		
			5.00			ψ <del>-</del> , 170	:::::::::	
В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)							
1. (	) POST DOCTORAL ASSOCIATES		7.00			\$52,500		
2.(	1 ) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ET	0.)	7.00	9.00		\$19,800		
3. (	1) GRADUATE STUDENTS		1	9.00		φ19,000		
4. ( 5. (	) UNDERGRADUATE STUDENTS							
5. ( 6. (	) SECRETARIAL - CLERICAL ) OTHER							
0. (	TOTAL SALARIES AND WAGES (A+B)					\$115,478		
C.	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$28,440		
0.	TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$143,918		
D.	PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT F					ψ1 <del>4</del> 0,010		
_	TOTAL PERMANENT EQUIPMENT					000.03		
E.		IC (INCL. CANADA AND U.S. POS	SESSIONS)			\$8,000		
	2. FOREIGN					\$3,500		
						\$11,500		
_	TOTAL TRAVEL TRAINEE/PARTICIPANT COSTS					φ11,300		
F.		)						
	<ol> <li>STIPENDS (Itemize levels, types + totals on budget justification)</li> <li>TUITION &amp; FEES</li> </ol>	bage)						
	3. TRAINEE TRAVEL							
	<ol> <li>TRAINEE TRAVEL</li> <li>OTHER (fully explain on justification page)</li> </ol>							
	TOTAL PARTICIPANTS ( )	TOTAL COST						
~	OTHER DIRECT COSTS	TOTAL COOT						
G.								
	MATERIALS AND SUPPLIES     PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION							
-	2. POBLICATION COSTS/DOCUMENTATION/DISSEMINATION 3. CONSULTANT SERVICES							
-	COMPUTER (ADPE) SERVICES     SUBCONTRACTS							
	SUBCONTRACTS     Graduate-Student tuition)					\$12,600		
	TOTAL OTHER DIRECT COSTS					\$12,600		
H.	TOTAL DIRECT COSTS (A THROUGH G)					\$168,018		
н. І.	INDIRECT COSTS (SPECIFY RATE AND BASE)					÷ 100,010		
·.		bor and travel						
	TOTAL INDIRECT COSTS 6.8% ON					\$55,950		<u></u>
J.	TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$223,968		
J. К.	AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDE	RAL SOURCES				<i><i><i></i></i></i>		
	TOTAL COST OF PROJECT (J+K)					\$223,968		
						<i>\</i> 0,000		

	DOE F 4620.1	U.S. Department of Energy					OMB Control I	No.
		Budget Page					4040 4400	
	(04-93)	• •					1910-1400	
	All Other Editions Are Obsolete	(See reverse for Instructions)					OMB Burden I	
		FY2005					Statement on	Reverse
	SANIZATION	F12005	—			Budget Page No:	2	
0110	Stanford Linear Accelerator Center					Buuget rage No.		-
PRI	ICIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12	(Months)
	R. Les Cottrell							_ (
A. S	ENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Ass	ociates	DC	DE Funde	d			
(1	ist each separately with title; A.6. show number in brackets)		Pe	erson-mos	i.	Funds Requested	Funds 0	Granted
		CAL	Ι	ACAD	SUMR	by Applpicant	by E	OE
1.	R. Les Cottrell	1.00	0	0.00	0.00	\$12,447		
2.	Connie A. Logg	2.00	0	0.00	0.00	\$19,055		
3.	Paola Grosso	3.00	0	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		╀	0.00	0.00	<b>ΦΕΟ ΟΕΟ</b>		
7.	(3) TOTAL SENIOR PERSONNEL (1-6)	6.00	4	0.00	0.00	\$50,959		
В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)		+			¢0		
1. (	0 ) POST DOCTORAL ASSOCIATES	0.00	_			\$0 \$46 350		
2.(	1 ) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, I 1 ) GRADUATE STUDENTS	ETC.) 6.00	U	9.00	0.00	\$46,350 \$20,394		
3. ( 4. (	0 ) UNDERGRADUATE STUDENTS			0.00	0.00	\$0		
4. ( 5. (	0 ) SECRETARIAL - CLERICAL	0.00	0	0.00	0.00	\$0 \$0		
5. ( 6. (	) OTHER	0.00	_			ψu		
- (	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		
						09		
_	TOTAL PERMANENT EQUIPMENT		_			\$0		
E.		STIC (INCL. CANADA AND U.S. POSSESSIONS)	)			\$8,240 \$3,605		
	2. FORE	<i>3</i> N	—			<b>\$</b> 3,003		
	TOTAL TRAVEL					\$11,845		
F.	TRAINEE/PARTICIPANT COSTS							
	1. STIPENDS (Itemize levels, types + totals on budget justificatio	n 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		_					
	2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION		_			\$0		
⊢	3. CONSULTANT SERVICES		_			\$0		
	4. COMPUTER (ADPE) SERVICES		—			\$0 \$0		
	5. SUBCONTRACTS 6. OTHER (Graduate-Student tuition)		—			\$12,978		
⊢	TOTAL OTHER DIRECT COSTS					\$12,978	1	
H.	TOTAL DIRECT COSTS (A THROUGH G)					\$171,460		
I.	INDIRECT COSTS (SPECIFY RATE AND BASE)							
1		labor and travel						
L	TOTAL INDIRECT COSTS 6.8% C	n M&S				\$57,053		
J.	TOTAL DIRECT AND INDIRECT COSTS (H+I)					\$228,513		
К.	AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEE	ERAL SOURCES				\$0		
h h	TOTAL COST OF PROJECT (J+K)					\$228,513	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

	FY2006						
ORGA	NIZATION Stanford Linear Accelerator Center				Budget Page No:	3	_
PRINC					Requested Duration:	12	(Months)
				od			
	NIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		OE Fund		Funds Requested	Funds G	ranted
(LIS	st each separately with title; A.6. show number in brackets)	CAL	ACAD	SUMR		by D	
1.	R. Les Cottrell	1.00	ACAD	SUIVIR	by Applpicant \$13,205	by D	UE
1. 2.	Connie A. Logg	2.00			\$19,627		
2. 3.	Paola Grosso	2.00			\$13,361		
3. 4.		2.00			φ10,001		
5.							
6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)						
7.	(4) TOTAL SENIOR PERSONNEL (1-6)	5.00			\$46,192		
В. (	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
1. (	) POST DOCTORAL ASSOCIATES	11212121212	1+1+1+1+1+1+1			1+	1-1-1-1-1-1-1-1-1
2. (	1) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)	6.00			\$47,741		
	1) GRADUATE STUDENTS		9.00		\$21,006		
4. (	) UNDERGRADUATE STUDENTS				· · ·		
5. (	) SECRETARIAL - CLERICAL						
6. (	) OTHER						
٦	TOTAL SALARIES AND WAGES (A+B)				\$114,938		
C. F	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				\$27,976		
٦	TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)				\$142,914		
D. F	PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)						
	TOTAL PERMANENT EQUIPMENT TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. F	OSSESSIONS)			\$8,487		
	2. FOREIGN				\$3,713		
٦	TOTAL TRAVEL				\$12,200		
F. 1	TRAINEE/PARTICIPANT COSTS						
	<ol> <li>STIPENDS (Itemize levels, types + totals on budget justification page)</li> <li>TUITION &amp; FEES</li> <li>TRAINEE TRAVEL</li> <li>OTHER (fully explain on justification page)</li> </ol>						
1	TOTAL PARTICIPANTS ( ) TOTAL COST						
	OTHER DIRECT COSTS						
	1. MATERIALS AND SUPPLIES				\$2,040		
	2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION						
	3. CONSULTANT SERVICES						
	4. COMPUTER (ADPE) SERVICES						
	5. SUBCONTRACTS				<u> </u>		
	6. OTHER (Graduate-Student tuition)				\$13,497		
	TOTAL OTHER DIRECT COSTS				\$15,537		
	TOTAL DIRECT COSTS (A THROUGH G)				\$170,652		
I. I	INDIRECT COSTS (SPECIFY RATE AND BASE) 36% on labor and travel						
1	TOTAL INDIRECT COSTS 6.8% ON M&S				\$55,980		
J. 1	TOTAL DIRECT AND INDIRECT COSTS (H+I)				\$226,632		
K. /	AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES						
L. 1	TOTAL COST OF PROJECT (J+K)				\$226,632		

Decomposition         Decomposition         decomposition         decomposition         decomposition         decomposition         decomposition         386         (htereal           PRINCEPAL INVESTIGATIOR/PROCED OF RECTOR         Recenter Duration         386         (htereal)         386         (htereal)           A SEMOR PERSONEL INPO. D-Fr. Exclus and One Serior Associates         Investigation	DOE F 4620.1 (04-93) All Other Editions Are Obsolete	U.S. Departme Budget (See reverse for FY2004-I	<b>Page</b> Instructions)				OMB Control 1910-1400 OMB Burden Statement on	Disclosure
Perincental Reversition Content of Design and Other Senior Associates (Life each segurity will Bits A.B. drive narrow in transfer in brackets)         DOE Funded Preservoires         Turds Recursted Preservoires         Funde Recursted Preservoires			12000			Budget Page No:	4	_
R. Les Cottrell         Funds Construction         Funds Researced           A. SENDR PERSONNEL PROD. CPTX, family and Other Serie Associates [bit each sequence with Bits A.S. down number in bundles]         Funds Researced         Funds Researc		r				Requested Duration:	36	(Months)
(List each separation y with this A.B. show number in brackets)         Press.events         Finds Apparation         Funds Granest           1.         R. Lea Calliel         3.00         \$377.735         by DOE           2.         Contin A. Lagg         6.00         \$\$77.735         contin A. Lagg         6.00         \$\$77.735           3.         Pade Graceo         7.00         \$\$454.413         contin A. Lagg         contin A. L								_ ` ` ` `
CAL         ACXD         SUMR         ty Availant         by DOE           1         R. Las Commit         3.00         \$357,182         .           2         Ocrime A. Log         6.00         \$57,182         .           3.         Paile Greece         7.00         \$45,413         .           4.         .         .         .         .         .         .           5.         .         .         .         .         .         .         .           6.         .	A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Oth	er Senior Associates	D	OE Fund	ed			
1         N. Les Cottest         3.00         \$37,735           2         Convie A. Logs         6.00         \$57,182           3         Pool Greeo         7.00         \$454,413           4         .         .         .           5         .         .         .         .           6         .         .         .         .           7         .         .         .         .           6         .         .         .         .           7         .         .         .         .         .           6         .         .         .         .         .           1         .         .         .         .         .         .           1         .         .         .         .         .         .           1         .         .         .         .         .         .         .           1         .         .         .         .         .         .         .           2         .         .         .         .         .         .         .           2         .         . </td <td>(List each separately with title; A.6. show number in bra</td> <td>ckets)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	(List each separately with title; A.6. show number in bra	ckets)						
2         Contre A. Logg         0.00         \$\$7.182           3         Pade Grosso         7.00         \$\$45,413           4              5         (1) OTHERS (UST INDIVIDUALLY ON BUDGET EXPLANTION PADE)             6         1 OTHERS (UST INDIVIDUALLY ON BUDGET EXPLANTION PADE)             7         (3) TOTAL SENIOR PERSONANE. (16)         \$10.00         \$140,5511           6         OTHER MERSONAL [SPON MURRENEN IN BRACKETS)             11         11 POST DOCTORAL ASSOCATES         10.00         \$146,5611           21         1.001ER MERSESSIONAL (TECHNICIAL PROCRAMMER, ETC.)         10.00         \$146,5611           21         1.001ER MERSESSIONAL (TECHNICIAL PROCRAMMER, ETC.)         10.00         \$146,5611           21         1.001ER MERSESSIONAL (TECHNICIAL PROCRAMMER, ETC.)         \$343,468            10         OTHER MERSON MARKE SLOPE)         \$343,468            10         TOTAL SHARES AND PRINCE SEMERTIS (AR-IC.)         \$433,468            10         TOTAL SHARES AND FRINCE SEMERTIS (AR-IC.)         \$433,468            10         TOTAL SHARES AND FRINCE SEMERTIS (AR-IC.)         \$351,645       <				ACAD	SUMR		by D	OE
9         Pole Grosse         7.00         \$45,413           4         1         1         1           6         )         0         \$45,413           6         )         0         1         1           6         )         0         1         1           7         0.3         1074x SENDOR FERSONAL (1400 NUMBERS IN BACKETS)         1         1           11         1         1000 TORMA SEGOLINA SENDORAL (1500 NUMBERS IN BACKETS)         1         1         1000 S144,551           8.         014440 FE STUDENTS         27.00         \$146,591         3         1         2         00400ATE STUDENTS         1         1         00500 S146,590         \$146,591         3         1         1         00400ATE STUDENTS         1         1         00400ATE STUDENTS         1         1         00400ATE STUDENTS         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
4         Image: Second Se								
6.(         0THERS (LIST ROVINGULZ ON BUDGET EXPLANATION PAGE)         16.00         \$140,329           7.(         3.) TOTAL SENIOR PERSONNEL (140)         16.00         \$140,329           1.(         ) POST DECTORAL ASSOCIATES         1         1           2.(         1 UNDERGRANDUATE STUDENTS         27.00         \$140,591           3.(         2) GRADUATE STUDENTS         27.00         \$61,200           (.)         SEGRETIAL - CERICAL         1         1           0.(         ) OTHER STUDENTS         \$348,120         1           C.         FRINCE ERNETIS (IF CLARAGE AND VAGES AND FRINCE ENERTIS (ARB-C)         \$433,468         1           0.         PERMANENT EQUIPMENT (UIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM)         \$433,468         1           1.         DEMENTE COUPMENT (UIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM)         \$10,818         1           1.         TETORAL PERSONNUL TOOSTS         \$10,818         1         1								
2. (3) TOTAL SENIOR PERSONNEL (14)         16.00         \$140,329           0. OTHER PERSONNEL (140)         16.00         \$140,591           1. (1) POST DOTRAL ASSOCIATES         11.00         \$146,591           2. (1) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)         19.00         \$146,591           3. (2) GRADUATE STUDENTS         27.00         \$81,200           4. (1) UNDERRADUATE STUDENTS         5140,591           5. (1) SECRETARIAL - CLEMCAL         5348,120           C. FRINCE BENEFITS (IF CHARGED AS DIRECT COSTS)         \$3348,120           TOTAL SALARES, WAGES AND FRINCE BENEFITS (A-BI-C)         \$433,488           D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)         \$433,488           TOTAL PERMANENT EQUIPMENT         2. TOREIGN           E         TRAVEL         \$335,545           TOTAL PERMANENT EQUIPMENT         \$335,545           E         TRAVEL         \$335,545           TOTAL PERMANENT EQUIPMENT         \$335,545           E         TRAVEL         \$335,545           TOTAL PERMANENT EQUIPMENT         \$335,545           E         TRAVEL         \$335,545           TOTAL PERMANENT EQUIPMENT         \$330,645           C) TOTAL COSTS         \$330,645           1. STREVEDS	5.							
B         OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	6. ( ) OTHERS (LIST INDIVIDUALLY ON BUDGET E	EXPLANATION PAGE)						
1( ) POST DECTORAL ASSOCIATES       19.00       \$146,591         2 ( ) ADDRERSSIONAL (TECHNICIAN, PROGRAMMER, ETC.)       19.00       \$146,591         3 ( ) GARDARTE STUDENTS       27.00       \$146,591         5 ( ) ADDRERADUATE STUDENTS       27.00       \$146,591         5 ( ) ADDRERADUATE STUDENTS       27.00       \$146,591         5 ( ) ADDRERADUATE STUDENTS       27.00       \$348,120         C ( ) OTHER RADE AND WAGES (AVE)       \$348,120       \$348,120         C ( ) TOTAL SALARIES AND RECE AS DIRECT COSTS)       \$355,349         TOTAL SALARIES WAGES AND TRINKE BENETTS (AVEH)       \$433,468         D. PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM)       \$433,468         TOTAL PERMANENT EQUIPMENT       \$1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)       \$24,727         2. FOREIGN       \$10,818       \$348,120       \$348,120         TOTAL PERMANENT EQUIPMENT       1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)       \$24,727         2. FOREIGN       \$35,545       \$35,545         TOTAL TRAVEL       1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS)       \$22,727         2. FOREIGN       \$355,545       \$35,545         TOTAL PERMANENT EQUIPMENT       2. FOREIGN       \$35,545         TOTAL PERMANENT EQUIPMENT       0. OTHER (UNE AND UNDER EXE	7. (3) TOTAL SENIOR PERSONNEL (1-6)		16.00			\$140,329		
2. (1) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)         19.00         \$146,591           3. (2) ORADURT STUDENTS         27.00         \$61,200           4. () UNDERGRADURTE STUDENTS         27.00         \$61,200           5. (1) SECRETARIAL-CLENICAL         561,200         561,200           5. (1) SECRETARIAL-CLENICAL         561,200         561,200           5. (1) OTHER CRANDURTES TUDENTS         \$348,120         57,348           5. (2) OTHER CRANDERS AND WAGES (AHB)         \$348,120         \$433,468           5. (2) OTHER CRANDERS AND WAGES (AHB)         \$343,468         \$433,468           5. (2) PREMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)         \$433,468         \$10,818           TOTAL PERMANENT EQUIPMENT         2. FOREIGN         \$10,818           TOTAL PERMANENT EQUIPMENT         \$35,545         \$10,818           TOTAL PERMANENT EQUIPMENT         \$35,545         \$10,818           TOTAL PRAVEL         \$35,545         \$10,818           TOTAL PREMANENT EQUIPMENT         \$35,545         \$10,818           TOTAL PREMANENT E		KETS)						
3 ( 2 ) GRADUATE STUDENTS       27.00       \$61,200         4 ( ) UNDERGRADUATE STUDENTS	· · · ·		40.00					
4. ( ) UNDERGRADUATE STUDENTS         5. ( ) DITHER         TOTAL SALARIES AND WAGES (A+B)         5. ( ) DITHER         TOTAL SALARIES AND WAGES (A+B)         5. ( ) NOTHER         TOTAL SALARIES AND WAGES (A+B)         5. ( ) NOTHER         TOTAL SALARIES AND WAGES (A+B)         5. ( ) NOTHER         TOTAL SALARIES AND WAGES (A+B)         5. ( ) NOTHER         TOTAL SALARIES AND WAGES (A+B)         5. ( ) NOTHER         TOTAL SALARIES AND WAGES (A+B)         5. ( ) NOTHER         TOTAL PERMANENT EOUIPMENT         E. TRAVEL         1. DOMESTIC (NCL CANADA AND U.S. POSSESSIONS)         S24,727         2. FOREIGN         \$315,545         F. TRAINEE/PARTICIPANT COSTS         1. STIPENDO (Identice levels, types + totals on budget justification page)         2. TUTION AFEES         3. TRAINEE TRAVEL         4. OTHER NIEGET COSTS         1. MATERIAL SAND SUPPLIES         2. PUBLICATION COSTSBOCICUMENTATIONDISSEMINATION         3. ROUNDARY (ADD SUPPLIES         3. CONSULTANT SERVICES         4. COMPUTER (ADDED SERVICES         5. SUBCONTRACTS         6. OTHER, INFECT COSTS (A)         1. MATERIAL SAND SUPPLIES		GRAMMER, ETC.)				, ,		
S.()       SECRETARIAL - CLERICAL         S.()       O THER         S.()       O THER         TOTAL SALARIES AND WAGES (A+B)       \$348,120         C.       FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)       \$85,349         TOTAL SALARIES, WAGES AND FRINCE DEMERTS (A+B-C)       \$443,468         D.       PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)       \$433,468         TOTAL PERMANENT EQUIPMENT			27.00			\$01,200		
B.( ) OTHER         S348,120           CTAL SALARIES AND WAGES (A+B)         \$348,120           C. FRINCE BENETS (IF CHARGED AS DIRECT COSTS)         \$855,349           TOTAL SALARIES, WAGES AND FRINGE BENEFTS (A+B+C)         \$433,468           D.         PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)         \$433,468           TOTAL PERMANENT EQUIPMENT         \$433,468           E.         TOTAL PERMANENT EQUIPMENT         \$433,468           E.         TOTAL PERMANENT EQUIPMENT         \$433,468           TOTAL PERMANENT EQUIPMENT         \$433,468         \$44,727           E.         TRAVEL         \$10,818           TOTAL TRAVEL         \$24,727         \$35,545           TOTAL TRAVEL         \$35,545         \$10,818           TOTAL TRAVEL         \$32,040         \$2,040           1. TUTION & FEES         \$10,00000         \$2,040           2. FURICATION AS TOTO STROCUMENTATIONDISSEMINATION         \$2,040 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								
TOTAL SALARIES AND WAGES (A+B)         \$348,120           C. FRINCE BENEFITS (CHARGE DAS DIRCT COSTS)         \$453,468           TOTAL SALARIES, WAGES AND FRINCE BENEFITS (A+B+C)         \$433,468           D.         PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)         \$433,468           TOTAL PERMANENT EQUIPMENT         1. DOMESTIC (INCL CANADA AND U.S. POSSESSIONS)         \$24,727           E.         TRAVEL         1. DOMESTIC (INCL CANADA AND U.S. POSSESSIONS)         \$10,818           TOTAL PERMANENT EQUIPMENT         2. FOREIGN         \$10,818           TOTAL PERMANENT EQUIPMENT         1. DOMESTIC (INCL CANADA AND U.S. POSSESSIONS)         \$24,727           2. FOREIGN         \$10,818         \$10,818           TOTAL TRAVEL         \$10,818         \$10,818           TOTAL TRAVEL         \$35,545         \$10,818								
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       \$24,727         E.       TRAVEL         1.       DOMESTIC (INCL CANADA AND U.S. POSSESSIONS)         \$24,727         2.       FOREIGN         TOTAL PERMANENT EQUIPMENT         E.       TRAVEL         2.       FOREIGN         TOTAL TRAVEL       \$35,545         F.       TRAINEE/PARTICIPANT COSTS         1.       STIPENDS (timize levels, types + totals on budget justification page)         2.       TOTAL PARTICIPANT S         4.       OTHER DIRECT COSTS         1.       MATERIALS AND SUPPLIES         3.       CONSULTANT SERVICES         4.       CONTECT COSTS         1.       MATERIALS AND SUPPLIES         3.       CONSULTANT SERVICES         4.       CONTECT COSTS         5.       SUBCONTRACTS         5.       SUBCONTRACTS         5.       SUBCONTRACTS	· · · · ·					\$348,120		
D       PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)         TOTAL PERMANENT EQUIPMENT	C. FRINGE BENEFITS (IF CHARGED AS DIRECT COS	STS)				\$85,349		
TOTAL PERMANENT EQUIPMENT       2.         E       TRAVEL       1. DOMESTIC (INCL CANADA AND U.S. POSSESSIONS)       \$224,727         2.       FOREIGN       \$10,818         TOTAL TRAVEL       \$35,545       \$35,545         F.       TRAINEE/PARTICIPANT COSTS       \$35,545         1. STIPENDS (Itemize levels, types + totals on budget justification page)       2.       2.         2. TOTAL PRAVEL       2.       2.         3. TRAINEE TRAVEL       2.       2.         4. OTHER (fully explain on justification page)       2.       2.         TOTAL PARTICIPANTS       ( )       TOTAL COST       2.         1. MATERIALS AND SUPPLIES       \$2,040       2.       2.         2. PUBLICATION COSTSDOCUMENTATION/DISSEMINATION       2.       2.       2.         3. CONSULTANT SERVICES       3.       3.       3.         4. COMPUTER (ADPE) SERVICES       3.       3.       3.         5. SUBCONTRACTS       3.       3.       3.       3.         6. OTHER GRaduate-Student tution)       \$339,075       3.       3.         7. TOTAL OTHEC T COSTS (A THROUGH G)       \$319,075       3.       3.         8. OTHER (GRAduate-Student tution)       \$39,075       3.       3.	TOTAL SALARIES, WAGES AND FRINGE BENEFIT	TS (A+B+C)				\$433,468		
E TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. POSSESSIONS) \$24,727 2. FOREIGN \$10,818 TOTAL TRAVEL \$10,818 TOTAL TRAVEL \$335,545 F. TRAINEE/PARTICIPANT COSTS 1. STIPENDS (Itemize levels, types + totals on budget justification page) 2. TUTION & FEES 3. TRAINEE TRAVEL 4. OTHER (fully explain on justification page) TOTAL PARTICIPANTS () TOTAL COST 6. OTHER DIRECT COSTS 1. MATERIALS AND SUPPLIES 3. CONSULTANT SERVICES 4. COMPUTER (ADPE) SERVICES 5. SUBCONTRACTS 6. OTHER (Graduate-Student tuition) 5. SUBCONTRACTS 6. OTHER (Graduate-Student tuition) 5. SUBCONTRACTS 6. OTHER (Graduate-Student tuition) 7. TOTAL DIRECT COSTS () 1. INDIRECT COSTS () 3. CONSULTANT SERVICES 5. SUBCONTRACTS 5. SUBCONTR								
2. FOREIGN       \$10,818         TOTAL TRAVEL       \$35,545         F. TRAINEE/PARTICIPANT COSTS       \$35,545         1. STIPENDS (Itemize levels, types + totals on budget justification page)       2. TUTION & FEES         3. TRAINEE TRAVEL						\$24 727		
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 PARTICIPANTS       ( )         TOTAL PARTICIPANTS       ( )         TOTAL COST       ( )         6.       OTHER DIRECT COSTS         1.       MATERIALS AND SUPPLIES         2.       PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3.       CONSULTANT SERVICES         4.       COMPUTER (ADPE) SERVICES         5.       SUBCONTRACTS         6.       OTHER DIRECT COSTS         7.       TOTAL OTHER DIRECT COSTS         8.       S1000000000000000000000000000000000000		•	.0.1 0002001010)					
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 PARTICIPANTS       ( )         TOTAL PARTICIPANTS       ( )         TOTAL COST       ( )         6.       OTHER DIRECT COSTS         1.       MATERIALS AND SUPPLIES         2.       PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3.       CONSULTANT SERVICES         4.       COMPUTER (ADPE) SERVICES         5.       SUBCONTRACTS         6.       OTHER DIRECT COSTS         7.       TOTAL OTHER DIRECT COSTS         8.       S1000000000000000000000000000000000000								
1. STIPENDS (Itemize levels, types + totals on budget justification page)	TOTAL TRAVEL					\$35,545		
2. TUITION & FEES								
3. TRAINEE TRAVEL		get justification page)						
4. OTHER (fully explain on justification page)       Image: constant of the second secon								
TOTAL PARTICIPANTS       ( )       TOTAL COST         G. OTHER DIRECT COSTS       ( )       TOTAL COST         1. MATERIALS AND SUPPLIES       \$2,040         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION       \$2,040         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       36% on labor and travel         TOTAL INDIRECT COSTS       6.8% on M&S         J. TOTAL DIRECT COSTS (H+I)       \$679,113         K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES       ( )								
G. OTHER DIRECT COSTS       \$2,040         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         1. INDIRECT COSTS (SPECIFY RATE AND BASE)       36% on labor and travel         TOTAL INDIRECT COSTS       6.8% on M&S         J. TOTAL DIRECT COSTS (H+II)       \$679,113         K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES       \$679,113		) TOTAL COST						
2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION       Image: construct of the system of	G. OTHER DIRECT COSTS							
3. CONSULTANT SERVICES	1. MATERIALS AND SUPPLIES					\$2,040		
4. COMPUTER (ADPE) SERVICES	2. PUBLICATION COSTS/DOCUMENTATION/DISS	SEMINATION						
5. SUBCONTRACTS	3. CONSULTANT SERVICES							
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)       36% on labor and travel         TOTAL INDIRECT COSTS       6.8% on M&S         J. TOTAL DIRECT COSTS (H+I)       \$168,984         K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES       4	4. COMPUTER (ADPE) SERVICES							
TOTAL OTHER DIRECT COSTS       \$41,115         H. TOTAL DIRECT COSTS (A THROUGH G)       \$510,129         I. INDIRECT COSTS (SPECIFY RATE AND BASE)       36% on labor and travel         TOTAL INDIRECT COSTS       6.8% on M&S         J. TOTAL DIRECT AND INDIRECT COSTS (H+I)       \$168,984         K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES       4						*~~ ~==		
H.       TOTAL DIRECT COSTS (A THROUGH G)       \$510,129         I.       INDIRECT COSTS (SPECIFY RATE AND BASE)       36% on labor and travel         TOTAL INDIRECT COSTS       6.8% on M&S       \$168,984         J.       TOTAL DIRECT COSTS (H+I)       \$679,113         K.       AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES       6							ļ	
I.       INDIRECT COSTS (SPECIFY RATE AND BASE)       36% on labor and travel         36% on labor and travel       \$168,984         TOTAL INDIRECT COSTS       6.8% on M&S         J.       TOTAL DIRECT AND INDIRECT COSTS (H+I)         K.       AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES							I	
36% on labor and travel       36% on M&S         TOTAL INDIRECT COSTS       6.8% on M&S         J. TOTAL DIRECT AND INDIRECT COSTS (H+I)       \$679,113         K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES       4						φ010,129		
J. TOTAL DIRECT AND INDIRECT COSTS (H+I)       \$679,113         K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES       679,113						\$168 984		
K. AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERAL SOURCES								
		OM NON-FEDERAL SOURCES				÷•• 0,1 0		
						\$679,113	1	

Γ

	DOE F 4620.1	U.S. Department of E	•••				OMB Control No.
	(04-93)	Budget Pag	ge				1910-1400
	All Other Editions Are Obsolete	(See reverse for Instru	ctions)				OMB Burden Disclosure
							Statement on Reverse
		FY 2004					
ORG	ANIZATION					Budget Page No:	1
	University of New Mexico						
PRIN	CIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12 (Months)
	Timothy L. Thomas - Research Scientist		1				
	NIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associate	es		OE Funde			
(L	ist each separately with title; A.6. show number in brackets)			Person-mo		Funds Requested	Funds Granted
	Timethy I. Themas, Descenth Scientist		CAL	ACAD	SUMR	by Applpicant	by DOE
1.	Timothy L. Thomas - Research Scientist						
2.			-				
3.			-				
4. 5							
5. 6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAG		-				
0. ( 7.	(1) TOTAL SENIOR PERSONNEL (1-6)	)	_				
	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)					\$50,000	
1. ( 2. (	1 ) POST DOCTORAL ASSOCIATES					ψ30,000	
2. ( 3. (	<ul> <li>) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)</li> <li>) GRADUATE STUDENTS</li> </ul>						
3. ( 4. (	) UNDERGRADUATE STUDENTS						
4. ( 5. (	) SECRETARIAL - CLERICAL						
5. ( 6. (	) OTHER						
· ·	TOTAL SALARIES AND WAGES (A+B)					\$50,000	
	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$9,000	
	TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$59,000	
	PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR	EACH ITEM )					
	TOTAL PERMANENT EQUIPMENT						
E.	TRAVEL 1. DOMESTIC	(INCL. CANADA AND U.S. POS	SESSIONS			\$3,600	
	2. FOREIGN					\$2,400	
	TOTAL TRAVEL					\$6,000	
F.	TRAINEE/PARTICIPANT COSTS						
	1. STIPENDS (Itemize levels, types + totals on budget justification pag	e)					
	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						
L	5. SUBCONTRACTS						
L	6. OTHER includes organizational support, power charges and materia	l burden				<b>#E00</b>	
	TOTAL OTHER DIRECT COSTS					\$500 \$65 500	
	TOTAL DIRECT COSTS (A THROUGH G)					\$65,500	
I.	INDIRECT COSTS (SPECIFY RATE AND BASE)						
	50% of direct less elec power					\$32,750	
						\$32,750	
	TOTAL DIRECT AND INDIRECT COSTS (H+I)	SOURCES				φ30,200	
	AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDERA TOTAL COST OF PROJECT (J+K)					\$98,250	
L.	ISTAL SOUT OF FROME OF (JTR)					ψ50,250	

			-				
	DOE F 4620.1	U.S. Department of					OMB Control No.
	(04-93)	Budget Page	ge				1910-1400
	All Other Editions Are Obsolete	(See reverse for Instr	uctions)				OMB Burden Disclosure
		FY 2005					Statement on Reverse
ORG	ANIZATION	112003				Budget Page No:	2
	University of New Mexico						
PRIN	CIPAL INVESTIGATOR/PROJECT DIRECTOR					Requested Duration:	12 (Months)
	Timothy L. Thomas - Research Scientist						、 、 、
A. SE	NIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associa	tes	Γ	OE Fund	ed		
	ist each separately with title; A.6. show number in brackets)		F	Person-mo	IS.	Funds Requested	Funds Granted
			CAL	ACAD	SUMR	by Applpicant	by DOE
1.	Timothy L. Thomas - Research Scientist						
2.	·						
3.							
4.							
5.							
6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PA	AGE)					
7.	( 1 ) TOTAL SENIOR PERSONNEL (1-6)						
В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
	1 ) POST DOCTORAL ASSOCIATES					\$51,500	
2. (	) OTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.	)				<b>\$0</b> ,000	
3. (	) GRADUATE STUDENTS	·/		1			
4. (	) UNDERGRADUATE STUDENTS						
( 5. (	) SECRETARIAL - CLERICAL						
5. ( 6. (	) OTHER						
	TOTAL SALARIES AND WAGES (A+B)					\$51,500	
	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$9,270	
	TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$60,770	
						φου,770	
D.	PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR	REACHTIEM.)					
		(110) 01110 0 00				¢2 709	
E.		(INCL. CANADA AND U.S. POS	SESSIONS	)		\$3,708 \$2,472	
	2. FOREIGN					φ <b>∠</b> ,47∠	
						\$6,180	
						ψ0,100	
F.	TRAINEE/PARTICIPANT COSTS						
	1. STIPENDS (Itemize levels, types + totals on budget justification page	ge)					
	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 materia	ial 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	
К.	AMOUNT OF ANY REQUIRED COST SHARING FROM NON-FEDER/	AL SOURCES					
L.	TOTAL COST OF PROJECT (J+K)					\$101,198	

Budget Page         Budget Page         Its 6-400         Its 6-400           Af data A double         (See reverse for instructions)         Budget Page And         Settime to double           FY 2006           Reverse do instructions)         Budget Page And         Settime to double budget and           Instructions         Budget Page And         Settime to double budget and           Instructions         Budget Page And         Settime to double budget and           Instructions         Budget Page And         Settime to double budget and           Instructions         Budget Page And         Settime to double budget and           Instructions         Budget Page And         Settime to double budget and           Instructions         Settime to double budget and           Instructions         Instructions         Instructions         Instructions           Instructions         Instructions         Instructions         Instructions           Instructions         Instructions         Instructions         Instructions
---

DOEI	= 4620.1	U.S. Department of E					OMB Control No.
(04-93	8)	Budget Pag	e				1910-1400
All Otl	ner Editions Are Obsolete	(See reverse for Instru-	ctions)				OMB Burden Disclosure
							Statement on Reverse
		FY2004-FY200	)6			1	
ORGANIZA						Budget Page No:	4
	University of New Mexico						
PRINCIPAL	INVESTIGATOR/PROJECT DIRECTOR Timothy L. Thomas - Research Scientist					Requested Duration:	36 (Months)
	PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associate	99		OE Funde	d		
	h separately with title; A.6. show number in brackets)	63		Person-mo		Funds Requested	Funds Granted
(2101 000			CAL	ACAD	SUMR	by Applpicant	by DOE
1.	Timothy L. Thomas - Research Scientist			-			
2.	,						
3.							
4.							
5.							
6. ( ) (	OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAG	GE)					
7. (1	) TOTAL SENIOR PERSONNEL (1-6)						
B. OTHE	R PERSONNEL (SHOW NUMBERS IN BRACKETS)						
	POST DOCTORAL ASSOCIATES					\$154,545	
	DTHER PROFESSIONAL (TECHNICIAN, PROGRAMMER, ETC.)						
, ,	GRADUATE STUDENTS						
	JNDERGRADUATE STUDENTS						
	SECRETARIAL - CLERICAL						
	DTHER L SALARIES AND WAGES (A+B)					\$154,545	
	GE BENEFITS (IF CHARGED AS DIRECT COSTS)					\$27,818	
	L SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)					\$182,363	
	IANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR					<i>\</i>	
ΤΟΤΑ	L PERMANENT EQUIPMENT						
E. TRAV	EL 1. DOMESTIC	(INCL. CANADA AND U.S. POSS	SESSIONS)			\$11,127	
	2. FOREIGN					\$7,418	
	L TRAVEL					\$18,545	
	IEE/PARTICIPANT COSTS						
	IPENDS (Itemize levels, types + totals on budget justification pag	je)					
	IITION & FEES						
	AINEE TRAVEL THER (fully explain on justification page)						
	L PARTICIPANTS ( )	TOTAL COST					
	R DIRECT COSTS	1017/20001					
	ATERIALS AND SUPPLIES					\$1,545	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
	IBLICATION COSTS/DOCUMENTATION/DISSEMINATION					¢ .,e .e	
	DNSULTANT SERVICES						
	OMPUTER (ADPE) SERVICES						
5. SL	IBCONTRACTS						
	HER includes organizational support , power charges and materia	al burden					
тс	TAL OTHER DIRECT COSTS					\$1,545	
H. TOTA	L DIRECT COSTS (A THROUGH G)					\$202,454	
I. INDIR	ECT COSTS (SPECIFY RATE AND BASE)						
	50% of direct less elec power						
ΤΟΤΑ	L INDIRECT COSTS					\$101,227	
	L DIRECT AND INDIRECT COSTS (H+I)					\$303,681	
	INT OF ANY REQUIRED COST SHARING FROM NON-FEDERA	L SOURCES				****	
L. TOTA	L COST OF PROJECT (J+K)					\$303,681	

(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

	FY200	4				
OR	GANIZATION				Budget Page No:	1
	BNL, SLAC, USB, UMICH, UNM					
PR	INCIPAL INVESTIGATOR/PROJECT DIRECTOR		im Thou	200	Requested Duration:	12 (Months)
	Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Sha SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates	1	OE Funde			
					Funda Degulacted	Funda Crantad
	(List each separately with title; A.6. show number in brackets)	CAL	erson-mo	s. SUMR	Funds Requested	Funds Granted
1		CAL	ACAD	SUIVIR	by Applpicant	by DOE
1. 2						
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. (					\$52,500	
3. (					\$76,800	
4. (	) UNDERGRADUATE STUDENTS				\$5,700	
5. (	) SECRETARIAL - CLERICAL					
6. (	· · · ·					
	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	1 00020010110)			\$12,900	
					÷,•••	
	TOTAL TRAVEL				\$43,500	<u>  - - - - - - - - - - - - - - - - - - </u>
F.	TRAINEE/PARTICIPANT COSTS				+ ,	
•••	<ol> <li>STIPENDS (Itemize levels, types + totals on budget justification page)</li> </ol>					
	2. TUITION & FEES					
	3. TRAINEE TRAVEL					
	4. OTHER (fully explain on justification page)					
	TOTAL PARTICIPANTS ( ) TOTAL COST					
G.	OTHER DIRECT COSTS					
<u> </u>	1. MATERIALS AND SUPPLIES				\$17,600	
0.	2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION				\$2,750	
	3. CONSULTANT SERVICES					
	4. COMPUTER (ADPE) SERVICES					
	4. COMPUTER (ADPE) SERVICES				\$26,416	
	4. COMPUTER (ADPE) SERVICES     5. SUBCONTRACTS				\$46,766	
	<ol> <li>COMPUTER (ADPE) SERVICES</li> <li>SUBCONTRACTS</li> <li>OTHER includes organizational support , power charges and material burden</li> </ol>					
H.	4. COMPUTER (ADPE) SERVICES     5. SUBCONTRACTS     6. OTHER includes organizational support , power charges and material burden     TOTAL OTHER DIRECT COSTS				\$46,766	
H.	4. COMPUTER (ADPE) SERVICES     5. SUBCONTRACTS     6. OTHER includes organizational support , power charges and material burden     TOTAL OTHER DIRECT COSTS     TOTAL DIRECT COSTS (A THROUGH G)				\$46,766 \$613,771 \$267,780	
H. I.	COMPUTER (ADPE) SERVICES     SUBCONTRACTS     OTHER includes organizational support , power charges and material burden     TOTAL OTHER DIRECT COSTS     TOTAL DIRECT COSTS (A THROUGH G)     INDIRECT COSTS (SPECIFY RATE AND BASE)				\$46,766 \$613,771	
H. I. J. K.	4. COMPUTER (ADPE) SERVICES     5. SUBCONTRACTS     6. OTHER includes organizational support , power charges and material burden     TOTAL OTHER DIRECT COSTS     TOTAL DIRECT COSTS (A THROUGH G)     INDIRECT COSTS (SPECIFY RATE AND BASE)     TOTAL INDIRECT COSTS				\$46,766 \$613,771 \$267,780	

(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

OR	FY200					
					Budget Page No:	2
ווסס	BNL, SLAC, USB, UMICH, UNM				Requested Duration:	12 (Month
PRI	Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Sha	wn McKee T	im Thoi	mae	Requested Duration:	12 (Months
ΔS	ENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		OE Funde			
	List each separately with title; A.6. show number in brackets)		Person-mo		Funds Requested	Funds Granted
(		CAL	ACAD	SUMR	by Applpicant	by DOE
1		UAL	ACAD	OOWIN	ву Аррірісані	by DOL
2.						
3.						
4.						
 5.						
6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)					
、 7.	( ) TOTAL SENIOR PERSONNEL (1-6)				\$183,008	
В.	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					
-		DOCCECCIONO			\$30.048	
E.	TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S.	. POSSESSIONS)			\$30,948 \$13.077	
E.	TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S 2. FOREIGN	. POSSESSIONS)			\$30,948 \$13,077	
E.	2. FOREIGN	. POSSESSIONS)			\$13,077	
	2. FOREIGN	. POSSESSIONS)				
	2. FOREIGN TOTAL TRAVEL TRAINEE/PARTICIPANT COSTS	. POSSESSIONS)			\$13,077	
	2. FOREIGN TOTAL TRAVEL TRAINEE/PARTICIPANT COSTS 1. STIPENDS (Itemize levels, types + totals on budget justification page)	. POSSESSIONS)			\$13,077	
E.	2. FOREIGN TOTAL TRAVEL TRAINEE/PARTICIPANT COSTS 1. STIPENDS (Itemize levels, types + totals on budget justification page) 2. TUITION & FEES	. POSSESSIONS)			\$13,077	
	2. FOREIGN TOTAL TRAVEL TRAINEE/PARTICIPANT COSTS 1. STIPENDS (Itemize levels, types + totals on budget justification page) 2. TUITION & FEES 3. TRAINEE TRAVEL	. POSSESSIONS)			\$13,077	
	2. FOREIGN TOTAL TRAVEL 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)	. POSSESSIONS)			\$13,077	
F.	2. FOREIGN         TOTAL TRAVEL         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	. POSSESSIONS)			\$13,077	
F.	2. FOREIGN         TOTAL TRAVEL         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 COSTS	. POSSESSIONS)			\$13,077 \$44,025	
F.	2. FOREIGN         TOTAL TRAVEL         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         OTHER DIRECT COSTS         1. MATERIALS AND SUPPLIES	. POSSESSIONS)			\$13,077 \$44,025	
F.	2. FOREIGN         TOTAL TRAVEL         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 COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION	. POSSESSIONS)			\$13,077 \$44,025	
F.	2. FOREIGN         TOTAL TRAVEL         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 COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3. CONSULTANT SERVICES	POSSESSIONS)			\$13,077 \$44,025	
F.	2. FOREIGN         TOTAL TRAVEL         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 COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3. CONSULTANT SERVICES         4. COMPUTER (ADPE) SERVICES	. POSSESSIONS)			\$13,077 \$44,025	
F.	2. FOREIGN         TOTAL TRAVEL         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 PARTICIPANTS         ( )         TOTAL COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3. CONSULTANT SERVICES         4. COMPUTER (ADPE) SERVICES         5. SUBCONTRACTS	POSSESSIONS)			\$13,077 \$44,025 \$8,215 \$8,215 \$4,750	
F.	2. FOREIGN         TOTAL TRAVEL         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 COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3. CONSULTANT SERVICES         4. COMPUTER (ADPE) SERVICES	POSSESSIONS)			\$13,077 \$44,025 \$8,215 \$8,215 \$4,750 \$27,150	
F.	2. FOREIGN         TOTAL TRAVEL         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 PARTICIPANTS         ()         TOTAL COSTS         1. MATERIALS AND SUPPLIES         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	. POSSESSIONS)			\$13,077 \$44,025 \$8,215 \$8,215 \$4,750 \$27,150 \$40,115	
F. G. H.	2. FOREIGN         TOTAL TRAVEL         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 PARTICIPANTS         ( )         TOTAL COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3. CONSULTANT SERVICES         4. COMPUTER (ADPE) SERVICES         5. SUBCONTRACTS         6. OTHER includes organizational support , power charges and material burden	. POSSESSIONS)			\$13,077 \$44,025 \$8,215 \$8,215 \$4,750 \$27,150	
F. G. H.	2. FOREIGN         TOTAL TRAVEL         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 COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3. CONSULTANT SERVICES         4. COMPUTER (ADPE) SERVICES         5. SUBCONTRACTS         6. OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         MIDIRECT COSTS (SPECIFY RATE AND BASE)	. POSSESSIONS)			\$13,077 \$44,025 \$44,025 \$8,215 \$4,750 \$40,115 \$622,445	
F. G. H.	2. FOREIGN         TOTAL TRAVEL         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 COSTS         1. MATERIALS AND SUPPLIES         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         TOTAL DIRECT COSTS (A THROUGH G)         INDIRECT COSTS (SPECIFY RATE AND BASE)         TOTAL INDIRECT COSTS	. POSSESSIONS)			\$13,077 \$44,025 \$8,215 \$8,215 \$4,750 \$40,115 \$622,445 \$272,337	
F.	2. FOREIGN         TOTAL TRAVEL         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 COSTS         1. MATERIALS AND SUPPLIES         2. PUBLICATION COSTS/DOCUMENTATION/DISSEMINATION         3. CONSULTANT SERVICES         4. COMPUTER (ADPE) SERVICES         5. SUBCONTRACTS         6. OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         TOTAL OTHER DIRECT COSTS         MIDIRECT COSTS (SPECIFY RATE AND BASE)	. POSSESSIONS)			\$13,077 \$44,025 \$44,025 \$8,215 \$4,750 \$40,115 \$622,445	

(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

	FY2006						
OR	SANIZATION				Budget Page No:	3	
	BNL, SLAC, USB, UMICH, UNM						
PRI	NCIPAL INVESTIGATOR/PROJECT DIRECTOR				Requested Duration:	12	(Months)
	Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Shaw	1					
	ENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates		OE Fund				
(	List each separately with title; A.6. show number in brackets)		Person-mo	I	Funds Requested	Funds Gra	
_		CAL	ACAD	SUMR	by Applpicant	by DO	E
1. 0							
2. 3.							
э. 1							
4. 5.							
5. 6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAGE)						
0. ( 7.	( ) TOTAL SENIOR PERSONNEL (1-6)				\$182,203		
л. В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)				<i>\</i>		
D. 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				¢0,011		
5. ( 6. (	) OTHER						
0. (	TOTAL SALARIES AND WAGES (A+B)				\$446,897		
C.	FRINGE BENEFITS (IF CHARGED AS DIRECT COSTS)				\$100,152		
0.	TOTAL SALARIES, WAGES AND FRINGE BENEFITS (A+B+C)				\$547,049		
D.	PERMANENT EQUIPMENT (LIST ITEM AND DOLLAR AMOUNT FOR EACH ITEM.)				ψ0+1,0+0		
	TOTAL PERMANENT EQUIPMENT						
E.	TRAVEL 1. DOMESTIC (INCL. CANADA AND U.S. F	POSSESSIONS	1		\$31,306		
	2. FOREIGN	00020010110			\$12,259		
					÷,		
	TOTAL TRAVEL				\$43,566		
F.	TRAINEE/PARTICIPANT COSTS				• • • • • • • • • • • • • • • • • • •		
•••	<ol> <li>STIPENDS (Itemize levels, types + totals on budget justification page)</li> </ol>						
	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				÷0,200		
	4. COMPUTER (ADPE) SERVICES						
	4. COMPOTER (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		
н. І.	INDIRECT COSTS (SPECIFY RATE AND BASE)				+301,17E		
ı.	INDIALOT COOLO (OF LOIT FIATE AND DAOL)						
	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						
	TOTAL COST OF PROJECT (J+K)				\$917,495		

	DOE F 4620.1	U.S. Department of Er	nergy				OMB Control No.
	Budget Page						1910-1400
	All Other Editions Are Obsolete						OMB Burden Disclosure
							Statement on Reverse
		FY2004-FY200	6				
OR	GANIZATION					Budget Page No:	4
	BNL, SLAC, USB, UMICH, UNM						
						Requested Duration:	36 (Months)
Dantong Yu, Rich Baker, R. Les Cottrell, Thomas G Robertazzi, Shawn McKee, Tim Thomas							
	A. SENIOR PERSONNEL: PI/PD, Co-PI's, Faculty and Other Senior Associates DOE Funded						
(	List each separately with title; A.6. show number in brackets)		Person-mos.			Funds Requested	Funds Granted
			CAL	ACAD	SUMR	by Applpicant	by DOE
1. 2.							
2. 3.							
3. 4.							
<del>ч</del> . 5.							
5. 6. (	) OTHERS (LIST INDIVIDUALLY ON BUDGET EXPLANATION PAG	iE)					
7.	( ) TOTAL SENIOR PERSONNEL (1-6)	_/				\$536,592	
В.	OTHER PERSONNEL (SHOW NUMBERS IN BRACKETS)						
D. 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					<i>•••••••••••••••••••••••••••••••••••••</i>	
6. (	) OTHER						
	TAL 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 I	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)						
L	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	