FY01 Neutrino Factory and Muon Collider Collaboration Budget

Area	Total ($K)	BNL ($K)	FNAL ($K)	LBNL ($K)	ANL ($K)	IIT ($K)	U-Miss ($K)	Princeton ($K)	UCB ($K)	UCLA ($K)	ORNL ($K)	NHMFL ($K)	Jlab ($K)	Cornell ($K)	Iowa ($K)
Targetry	**1075**														
Target Studies	400	300						50			50				
AGS Operations	200	200													
AGS Beamline Upgrade	110	110													
Magnet Systems	255	225						30							
RF Systems	35	5		30											
Target Simulations	75	40			25			10							
MUCOOL	**1045**														
Cavity testing (805 MHz)	505		455				50								
Test Lab (201 MHz)	200		200												
Cavity window R&D	140		140												
RF cavity (201 MHz)	120		20	100											
Solenoid (201 MHz)	80			30								50			
Induction Linac	**0**														
Diagnostics	**330**		30		180		20	25		65					10
Beam Simulations	**290**	50			30	60		30	90	30					
Proton Driver	**0**														
Feasibility Study-II	**290**														
Target	130	30									50	50			
Phase Rotation & Cooling	100	50		50											
Acceleration	10												5	5	
Visitors	50	50													
Project Office	**50**			50											
Reserve	**100**			100											
Sum	**3180**	1060	845	360	235	60	70	145	90	95	100	100	5	5	10
FY00 comparison	4685	1818	1319	528	305	157	68	240	120	130					

M. Zisman
Project Manager

Muon Collaboration

Budget Notes

The budget was prepared based on requests submitted by the R&D leaders and others. Changes were made to reach the actual funding level ($3.18M). Comparison with last year's distribution is shown. The budget reflects the following priorities: target experiments at BNL, 805 MHz cavity testing, 201 MHz cavity design and lab setup, completion of Feasibility Study-II, and ongoing simulation effort.

Targetry

Target Studies: Reduce ORNL request for C target work

Magnet Systems: Do not fabricate either coils or power supply

RF Systems: Stop 8973 work; defer all other RF activities

MUCOOL

Cavity Testing (805 MHz): Reduce request in view of progress toward completion

Test Lab (201 MHz): Use base program funds; do only what's needed to "stake out the territory"

Cavity (201 MHz): Complete design; defer procurements until FY02 (these are short lead time items)

Induction Linac

Design effort: Defer prototype design and fabrication

Diagnostics

Design effort: Cover Norem here; include new university groups

Beam Simulations

Defer new FNAL postdoc; use carryover funds to fund one-year appointment of Russian visitor; support IIT postdoc to work on cooling simulations with Lebrun

Project Office

Budget and Planning: Support for engineer and budget person to monitor R&D (new item)

M. Zisman
Project Manager