

Tech Board Approved

Neutrino Factory and Muon Collider Collaboration FY05 Budget

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	Total (\$K)	BNL	FNAL	LBNL	ANL	ORNL	Princeton	UCB	UCLA	U-Miss	IIT	Jlab	UC-R
Cooling	302												
MTA operation	50		50										
201-MHz cavity	70			55						10		5	
Coupling solenoid	10			10									
Be windows/grids	22		12							10			
MTA beam line [1]	100		100										
LH ₂ absorber test [2]	25		25										
Instrumentation	25								25				
Targetry	703												
AGS operations	0												
Magnet and power supply	465	465											
Target studies [3]	110					85	25						
Simulations	50	50											
Materials studies	25	10					15						
CERN experiment preps.	53	53											
Diagnostics	150												
Norem [4]	150				150								
Hardware	0												
Beam Simulations	135												
Cooling/Theory	135							5		15	115		
Acceleration	10												
RLA/FFAG studies	10											10	
Collider	50												
Longitudinal cooling	50								50				
Management & Reserve [5]	50			50									
TOTAL (\$K)	1400	578	187	115	150	85	40	5	75	35	115	15	0
Operating (\$K)	780	58	87	115	150	85	40	5	75	35	115	15	0
Equipment (\$K)	620	520	100										
GPP (\$K)	0												

NOTES:

- [1] Funding for MTA beam line components.
- [2] Funding for testing forced-flow LH₂ absorber.
- [3] Includes \$10K for continuation of C target sublimation studies and \$75K for Hg jet studies.
- [4] Assumes partial salary support from ANL LDRD funds this year, per Norem.
- [5] Includes \$10K EQU funds to cover 201 MHz cavity cleaning at Jlab, and \$30K reserve for ANL.