

Hall D Active Collimator								
Task/Milestone		EE	ET	CS		Materials		Total
Design Amplifier Power PCB		0.5	0.5					
Build 10 Amplifier Power PCBs			0.5			\$ 500.00		
Test 10 Amplifier Power PCBs			0.5					
Design Amplifier Power Enclosure			0.5					
Build 10 Amplifier Power Enclosures			0.5			\$ 700.00		
Buy 10 PMT-5R Amplifiers						\$ -		
Design Prototype Splitter PCB		2	1					
Build Prototype Splitter PCB			1.5			\$ 2,200.00		
Test Prototype Splitter PCB		2						
Finalize Production Splitter PCB		1	1					
Build 2 Splitter PCBs			1.5			\$ 2,800.00		
Test 2 Splitter PCBs			0.5					
Design Splitter 19" Chassis			1					
Build 2 Splitter 19" Chassis			1			\$ 2,400.00		
Design Prototype Receiver PCB		3	2					
Build Prototype Receiver PCB			2			\$ 2,600.00		
Test Prototype Receiver PCB		2						
Finalize Production Receiver PCB		1.5	1					
Build 2 Receiver PCBs			2			\$ 3,400.00		
Test 2 Receiver PCBs		1	1					
Design Receiver 19" Chassis			0.5					
Build 2 Receiver 19" Chassis			1			\$ 3,100.00		
Develop Receiver FPGA Firmware		4						
Develop Receiver EPICS Software				11				
Cables & Connectors			1			\$ 3,300.00		
Installation		0.5	3					
Documentation		2	0.5					
Coordination			3					
Total (weeks)		19.5	27	11				
Hourly rate w/fringe		\$ 66.28	\$ 41.21	\$ 66.28				
Labor w/fringe (w/o overhead) & Materials		\$ 51,700.40	\$ 44,508.77	\$ 29,164.33		\$ 21,000.00		\$ 146,373.50

EE: Electrical Engineer								
ET: Electronic Technician								
CS: Computer Scientist								