

Magnetized Beam LDRD - Riad Suleiman and Matt Poelker
Estimate using 60.8% fringe & stats against 1768 hours per FTE

FY16

1768 hrs = 1 year (85% of 2080)

	Hrs	PW	BASE	Stat/Frng	G&A	LDRD	Total
PERSONNEL							
Post Doc - Mamum Abdullah (50%)	884.0	22.1	\$23,897	\$14,529	\$19,213	\$0	\$57,639
Magnet design - SS III	80.0	2.0	\$5,696	\$3,463	\$4,580	\$0	\$13,740
Magnet installation - Mech Tech I	40.0	1.0	\$1,528	\$929	\$1,229	\$0	\$3,687
Mechanical design for magnets - Mech Eng II	80.0	2.0	\$2,997	\$1,822	\$2,410	\$0	\$7,229
Mechanical design for slits - Mech Eng II	80.0	2.0	\$2,997	\$1,822	\$2,410	\$0	\$7,229
ASTRA modeling - SS II	884.0	22.1	\$31,772	\$19,317	\$25,545	\$0	\$76,634
		0.0	\$0	\$0	\$0	\$0	\$0
NON-LABOR			\$0		\$0	\$0	\$0
Solenoid magnet or Helmholtz coil-pair			\$60,000		\$30,000	\$0	\$90,000
Skew quadrupole magnets (x3 sets)			\$15,000		\$7,500	\$0	\$22,500
Cameras			\$3,000		\$1,500	\$0	\$4,500
PC for cameras			\$1,500		\$750	\$0	\$2,250
Switcher			\$1,000		\$500	\$0	\$1,500
YAG viewer			\$2,000		\$1,000	\$0	\$3,000
Multislit (1)			\$4,000		\$2,000	\$0	\$6,000
Single slit (x2)			\$8,000		\$4,000	\$0	\$12,000
Stepper motor translation stages			\$10,000		\$5,000	\$0	\$15,000
Vacuum coponents and contingency			\$20,000		\$10,000	\$0	\$30,000
Machine shop			\$20,000		\$10,000	\$0	\$30,000
Cost Total	2,048.0	51.2	\$213,388	\$41,884	\$127,636	\$0	\$382,907

Stat & Fringe 0.608 (input field)
 G&A 0.5000 (input field)
 LDRD 0.0000 (input field)

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FY17

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	Hrs	PW	BASE	Stat/Frng	G&A	LDRD	Total
PERSONNEL							
Post Doc - Mamum Abdullah (50%)	884.0	22.1	\$24,614	\$14,965	\$19,789	\$0	\$59,368
		0.0	\$0	\$0	\$0	\$0	\$0
		0.0	\$0	\$0	\$0	\$0	\$0
		0.0	\$0	\$0	\$0	\$0	\$0
		0.0	\$0	\$0	\$0	\$0	\$0
		0.0	\$0	\$0	\$0	\$0	\$0
Non-Labor			\$0		\$0	\$0	\$0
Vacuum coponents and contingency			\$20,000		\$10,000	\$0	\$30,000
Machine shop			\$20,000		\$10,000	\$0	\$30,000
Cost Total	884.0	22.1	\$64,614	\$14,965	\$39,789	\$0	\$119,368

Stat & Fringe 0.608 (input field)
 G&A 0.5000 (input field)
 LDRD 0.0000 (input field)