

WBS-Code	Title	M&S	Labor	F&A	Contingency	Total w/o Contingency	Total with Contingency	BOE Quotes and estimates based on prev. exp.
1	Frames & Design							
1.1	Table					\$0	\$0	
1.1.1	Design table					\$0	\$0	
1.1.2	Buy table parts					\$0	\$0	
1.1.2.1	rotary bearings	\$3,355		\$939	\$988	\$4,294	\$5,282	
1.1.2.2	extrusions for fram	\$4,000		\$1,120	\$1,178	\$5,120	\$6,298	
1.1.2.3	linear bearings	\$2,100		\$588	\$618	\$2,688	\$3,306	
1.1.3	Machine & assemble table		\$4,800	\$1,344	\$1,413	\$6,144	\$7,557	
1.1.3.1	machine donuts and table	\$7,000		\$1,960	\$2,061	\$8,960	\$11,021	
1.1.3.2	machine extrusions			\$0	\$0	\$0	\$0	
1.1.3.3	assemble table			\$0	\$0	\$0	\$0	
1.1.4	Ship and assemble table		\$8,000	\$2,240	\$2,355	\$10,240	\$12,595	
1.1.4.1	Ship to PSI		\$5,000	\$1,400	\$1,472	\$6,400	\$7,872	
1.1.4.2	Assemble table at PSI			\$0	\$0	\$0	\$0	
1.2	Table ready at PSI			\$0	\$0	\$0	\$0	
1.3	Scintillator and Veto			\$0	\$0	\$0	\$0	
1.3.1	Design scintillator frames			\$0	\$0	\$0	\$0	
1.3.2	Build first scintillator frame	\$1,500	\$1,500	\$840	\$883	\$3,840	\$4,723	
1.3.3	Ship first frames to PSI			\$0	\$0	\$0	\$0	
1.3.4	Build second scint. frames			\$0	\$0	\$0	\$0	
1.3.5	Ship second set to PSI		\$4,000	\$1,120	\$1,178	\$5,120	\$6,298	
1.3.6	Assemble at PSI			\$0	\$0	\$0	\$0	
1.3.7	Veto design			\$0	\$0	\$0	\$0	
1.3.8	Build veto	\$250	\$250	\$140	\$147	\$640	\$787	
1.3.9	Ship veto to PSI			\$0	\$0	\$0	\$0	
1.4	Beam Monitor			\$0	\$0	\$0	\$0	
1.4.1	Design beam monitor			\$0	\$0	\$0	\$0	
1.4.2	Build beam monitor			\$0	\$0	\$0	\$0	
1.4.3	Ship to PSI			\$0	\$0	\$0	\$0	
1.4.4	Assemble PSI		\$1,000	\$280	\$294	\$1,280	\$1,574	
	total	\$18,205	\$24,550	\$11,971	\$12,587	\$54,726	\$67,313	