							Total w/o		
WBS	Title	Scope	M&S	Labor	F&A	Contingency	Contingency	Contingency	Risk evaluation
		Will build support table and support frames for detectors. The support							
		table will hold the detectors. Support frames will be constructed for the							
		scintillators, veto detector, and beam monitor. Must be delivered in time for							This WBS has minimal risk from cost,
	1 Frames	2015 test run.	\$18,205	\$24,550	\$11,971	\$12,587			schedule, or technical objectives.
	2 Scintillating Fiber	Construct scintillating fiber detector. Must be delivered for 2015 test run.	\$69,442	\$70,000	\$17,505	\$29,115	\$156,947	\$186,062	Minimal risk
		Construct two sapphire Cerenkov counters. Must be delivered for 2015 test							
	3 Cerenkov	run.	\$205,494	\$4,000	\$3,094	\$27,115	\$212,588		Minimal risk
		Will build 4 straw tube chambers, with approximately 3000 straws and 15%							Schedule risk due to uncertain
	4 Straw Chambers	spares. One chamber to be delivered by 2015 test run.	\$426,875	\$161,436	\$40,282	\$160,105	\$628,593	\$788,698	construction time
		Build 4 cm long liquid hydrogen target. Must be delivered for full run in							
	5 Cryo-target	2016	\$217,000	\$386,428	\$271,633	\$208,193	\$875,061		Minimal risk
		Will order and test electronics and DAQ system. Half must delivered for							Primary risk is in DAQ speed, which
		2015 test run. Write analysis software adequate for initial checking of							could lead to longer running times or
	6 Electronics &DAQ	system in first year, adequate for full run in second year.	\$413,519	\$165,996	\$86,317	\$86,564	\$665,832	\$752,396	poorer statistics than planned
		Construct two time of flight plastic scintillator walls plus veto detector. Half							
	7 Scintillator	of TOF, plus beam be delivered for 2015 test run	\$331,685	\$89,335	\$21,140	\$87,687	\$442,160	\$529,847	Minimal risk
									Primary risk is in readout speed,
									which could lead to longer running
									times or poorer statistics than
		Maintain current GEM detectors. Improve speed to specs.	\$28,434	\$2,000	\$1,680		\$32,114		planned
	9 Installation	Coordination of installation.		\$414,000	\$107,640	31298.4	\$521,640	\$552,938	Minimal risk
			\$1,710,654	\$1,317,745	\$561,262	\$647,838	\$3,589,661	\$4,237,500	