

U.S. ATLAS M&O Estimate

WBS Profile Estimates

Funding All Funding Type: Research Program + MR

1/23/2005 10:46:29 AM

Institutions: All

Estimate in Fixed FY'05 \$k

Labor/Material: Both

WBS Number	Description	FY 03 (k\$)	FY 04 (k\$)	FY 05 (k\$)	FY 06 (k\$)	FY 07 (k\$)	FY 08 (k\$)	FY 09 (k\$)	FY 10 (k\$)	FY 11 (k\$)	FY 12	Total (k\$)
3	U.S. ATLAS M&O Estimate		0	2077	2486	2246	2077	2014	1942	1950	1856	16649
3.3	Liquid Argon M&O Estimate		0	2077	2486	2246	2077	2014	1942	1950	1856	16649
3.3.1	Mechanical Liquid Argon M&O		0	657	736	532	605	481	465	482	458	4416
3.3.1.1	Pre-operations and		0	395	323	142	0	0	0	0	0	861
3.3.1.2	Operations		0	112	226	179	289	221	229	221	221	1700
3.3.1.3	Maintenance		0	150	186	210	316	259	237	261	237	1856
3.3.2	Electronic Liquid Argon M&O		0	1160	1464	1343	1036	1082	1029	1020	1020	9155
3.3.2.1	Pre operations and Commissioning		0	764	660	408	0	0	0	0	0	1832
3.3.2.2	Operations		0	369	630	558	570	597	562	558	558	4402
3.3.2.3	Maintenance		0	27	174	377	466	486	467	462	462	2921
3.3.3	Beam Test		0	127	71	106	48	48	48	48	48	545
3.3.3.1	FCAL Hadronic Tail Measurement		0	48	40	28	0	0	0	0	0	116
3.3.3.2	Test Beam - optical links		0	0	31	31	0	0	0	0	0	61
3.3.3.3	Front-end readout commissioning		0	14	0	0	0	0	0	0	0	14
3.3.3.4	Beam test equipment		0	65	0	48	48	48	48	48	48	354
3.3.4	CERN living expenses		0	102	102	102	102	102	102	102	102	816
3.3.4.1	USATLAS operation/maintenance		0	102	102	102	102	102	102	102	102	816
3.3.5	CERN common costs		0	30	113	163	286	302	298	298	228	1716
3.3.5.1	CERN common costs		0	30	113	163	286	302	298	298	228	1716