

# U.S. ATLAS M&&O Estimate Cost Book AY\$

**Funding** All      **Funding Type:** Research Program

**Institutions:** All  
U.S. ATLAS M&&O Estimate Cost

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**WBS Number:** 3.7      **Description:** Common Funds

**Institution :** BNL-common      **Contact** R. Ernst

Common costs assessed by CERN on each collaborating country for operation of the experiment.

Level of Effort **Basis of Estimate:**

The funding requirements come from an ATLAS Report, ARN5, for A costs, which provides [Details of](#)

**Estimate:**

the estimates for all of ATLAS common costs. The US share is determined from the draft CERN MOU for Operations and is based upon the percentage of authors. Includes 412.5f CHF dues per year, beginning in FY04.

Estimates derived from ATLAS\_A\_300805.xls, US sharing percentage based upon authorship (15.9%), and an exchange rate of 1.1Chf=\$1. These estimates include magnets, TDAQ and TC General.

**U.S. ATLAS % share of activity:** 15.90%

<b>Cost Summary: (R)</b>	<b>Base Cost (k\$)</b>	<b>Cont Cost (k\$)</b>	<b>Cont %</b>	<b>Total Cost (k\$)</b>	<b>EDIA Labor (k\$)</b>	<b>Mfg Labor (k\$)</b>	<b>EDIA Matls (k\$)</b>	<b>Mfg Matls (k\$)</b>	<b>FTEs R</b>	<b>FTEs Other</b>
	13494	0	0	13494	0	0	13494	0	0.0	0.0

**MATERIAL SUMMARY:**

	<b>FY 06 (k\$)</b>	<b>FY 07 (k\$)</b>	<b>FY 08 (k\$)</b>	<b>FY 09 (k\$)</b>	<b>FY 10 (k\$)</b>	<b>FY 11 (k\$)</b>	<b>FY 12 (k\$)</b>
Other R	0.0	0.0	0.0	3247.3	3165.5	3679.1	3401.8

**WBS Number:** 3.7.1

**Description:** Common Funds (BNL)

**Institution :** BNL-common

**Contact** R. Ernst

Estimates derived from ATLAS\_A\_june05.xls, US sharing percentage based upon **Details of Estimate:** authorship, and an exchange rate of 1.1Chf=\$1. These estimates include magnets, TDAQ and TC General. Labor is accounting services at CERN for US ATLAS. This is a contribution in kind, and is credited to our Category A contributions, hence the total is equal to that shown in ATLAS\_A\_june05\_kane\_summ.xls

**U.S. ATLAS % share of activity:** 15.90%

<b>Cost Summary: (R)</b>	<b>Base Cost (k\$)</b>	<b>Cont Cost (k\$)</b>	<b>Cont %</b>	<b>Total Cost (k\$)</b>	<b>EDIA Labor (k\$)</b>	<b>Mfg Labor (k\$)</b>	<b>EDIA Matls (k\$)</b>	<b>Mfg Matls (k\$)</b>	<b>FTEs R</b>	<b>FTEs Other</b>
	13494	0	0	13494	0	0	13494	0	0.0	0.0

<b>MATERIAL SUMMARY:</b>	<b>FY 06 (k\$)</b>	<b>FY 07 (k\$)</b>	<b>FY 08 (k\$)</b>	<b>FY 09 (k\$)</b>	<b>FY 10 (k\$)</b>	<b>FY 11 (k\$)</b>	<b>FY 12 (k\$)</b>
Other R	0.0	0.0	0.0	3247.3	3165.5	3679.1	3401.8

<b>CONTINGENCY FACTORS:</b>	<i>Risk</i>				<i>Weight</i>			<b>Cont %</b>
	<b>Technical</b>	<b>C o s t</b>	<b>Schedule</b>	<b>Des i gn</b>	<b>Technical</b>	<b>C o s t</b>	<b>Schedule</b>	
	0	0	0	0	0	0	0	0

**WBS Number:** 3.7.2

**Description:** Common Funds (Nevis)

**Institution :** Columbia U. (Nevis Laboratory)

**Contact** R. Ernst

**U.S. ATLAS % share of activity:** 15.90%

<b>Cost Summary: (R)</b>	<b>Base Cost (k\$)</b>	<b>Cont Cost (k\$)</b>	<b>Cont %</b>	<b>Total Cost (k\$)</b>	<b>EDIA Labor (k\$)</b>	<b>Mfg Labor (k\$)</b>	<b>EDIA Matls (k\$)</b>	<b>Mfg Matls (k\$)</b>	<b>FTEs R</b>	<b>FTEs Other</b>
	0	0	0	0	0	0	0	0	0.0	0.0

<b>CONTINGENCY FACTORS:</b>	<b>Risk</b>				<b>Weight</b>			<b>Cont %</b>
	<b>Technical</b>	<b>C o s t</b>	<b>Schedule</b>	<b>Des i gn</b>	<b>Technical</b>	<b>C o s t</b>	<b>Schedule</b>	
	0	0	0	0	0	0	0	0

**WBS Number:** 3.7.3

**Description:** Common Funds (C&I)

**Institution :** Columbia U. (Nevis Laboratory)

**Contact** R. Ernst

<b>Cost Summary: (R)</b>	<b>Base Cost (k\$)</b>	<b>Cont Cost (k\$)</b>	<b>Cont %</b>	<b>Total Cost (k\$)</b>	<b>EDIA Labor (k\$)</b>	<b>Mfg Labor (k\$)</b>	<b>EDIA Matls (k\$)</b>	<b>Mfg Matls (k\$)</b>	<b>FTEs R</b>	<b>FTEs Other</b>
	0	0	0	0	0	0	0	0	0.0	0.0

<b>CONTINGENCY FACTORS:</b>	<i>Risk</i>				<i>Weight</i>			<b>Cont %</b>
	<b>Technical</b>	<b>C o s t</b>	<b>Schedule</b>	<b>Des i gn</b>	<b>Technical</b>	<b>C o s t</b>	<b>Schedule</b>	
	0	0	0	0	0	0	0	0