

# ATLAS Resources Review Board

25<sup>th</sup> April 2006

---

## Financial Report

<b>1. COMMON FUND : statement of account up to 28<sup>th</sup> February 2006</b>	<b>2</b>
1.1. Key Figures	2
1.2. Contributions received and outstanding	3
1.3. Commissioning and integration: Contributions received and outstanding	6
1.4. Payments and Outstanding Commitments	7
<b>2. MAINTENANCE &amp; OPERATIONS, Category A : statement of account up to 28<sup>th</sup> February 2006</b>	<b>8</b>
2.1. Key Figures	8
2.2. Contributions received and outstanding	9
2.3. Payments and outstanding commitments	10
<b>3. Summary of Market Surveys, Invitation to Tenders and Case B contracts, September 2005 to March 2006</b>	<b>11</b>

## 1. COMMON FUND\* :

Statement of account up to 28<sup>th</sup> February 2006

### 1.1. Key Figures

#### *Income and Payments*

		2006 kCHF
	<b>Income:</b>	
1	Balance brought forward from previous year	<b>9 024</b>
2	Contributions received during the year	<b>3 418</b>
	<i>Membership fees</i>	297
	<i>Cash contributions</i>	1 898
	<i>Commissioning &amp; Integration</i>	1 223
<b>3=1+2</b>	<b>Total income</b>	<b>12 442</b>
	<b>Payments:</b>	
4	Total cash outflows	<b>3 285</b>
<b>5 = 3 - 4</b>	<b>Total Funds currently available</b>	<b>9 157</b>

#### *Outstanding commitments*

		kCHF
6	Outstanding commitments in 2006	14 419
<b>6</b>	<b>Total</b>	<b>14 419</b>

\*Common Fund, Construction Completion and Commissioning & Integration should be considered together.

## 1.2. Contributions received and outstanding

CERN-RRB-2006-024

### Common Fund & Construction Completion : Membership Fees and Cash Contributions

This table shows the contributions received in the indicated period and the contributions due as agreed by the Collaboration.

amounts in CHF

FUNDING AGENCIES	Membership Fees Contributions					Cash contributions					Total Contributions			
	Due 1996-2006	Received			Outstanding	Due 1996-2006	Received			Outstanding	Total Due 1996-2006	Received 1996-2006	Outstanding	Paid in Advance
		from 1996 to 2005	in 2006	Total			from 1996 to 2005	in 2006	Total					
<b>MEMBER STATES</b>														
AUSTRIA	137 500	125 000		125 000	12 500	29 000	28 500		28 500	500	166 500	153 500	13 000	
CZECH REPUBLIC	412 500	412 500		412 500		7 000	7 000		7 000		419 500	419 500		
DENMARK	137 500	137 500		137 500		1 100 000	1 100 000		1 100 000		1 237 500	1 237 500		
FINLAND	100 000	100 000		100 000							100 000	100 000		
FRANCE CEA	137 500	125 000		125 000	12 500	5 000 000	5 000 000		5 000 000		5 137 500	5 125 000	12 500	
FRANCE IN2P3	825 000	750 000		750 000	75 000	6 902 000	6 074 000		6 074 000	828 000	7 727 000	6 824 000	903 000	
GERMANY BMBF	1 237 500	1 237 500		1 237 500		1 989 060	1 531 060	458 000	1 989 060		3 226 560	3 226 560		
GERMANY MPI	137 500	125 000		125 000	12 500	1 657 500	1 612 000		1 612 000	45 500	1 795 000	1 737 000	58 000	
GREECE	412 500	225 000		225 000	187 500	190 000				190 000	602 500	225 000	377 500	
ITALY	1 650 000	1 500 000		1 500 000	150 000	2 521 000	290 000		290 000	2 231 000	4 171 000	1 790 000	2 381 000	
NETHERLANDS	275 000	250 000		250 000	25 000						275 000	250 000	25 000	
NORWAY	275 000	243 000		243 000	32 000	686 000	487 000		487 000	199 000	961 000	730 000	231 000	
POLAND	275 000	250 000	12 500	262 500	12 500	60 000	60 000		60 000		335 000	322 500	12 500	
PORTUGAL	137 500	126 883		126 883	10 617	449 500	437 500		437 500	12 000	587 000	564 383	22 617	
SLOVAK REPUBLIC	125 000	125 000		125 000		55 000	55 000		55 000		180 000	180 000		
SPAIN	412 500	375 000		375 000	37 500	629 500	628 731		628 731	769	1 042 000	1 003 731	38 269	
SWEDEN	550 000	550 000		550 000		3 721 000	3 642 502		3 642 502	78 498	4 271 000	4 192 502	78 498	
SWITZERLAND	275 000	250 000	12 500	262 500	12 500	276 000	275 500	500	276 000		551 000	538 500	12 500	
UNITED KINGDOM	1 787 500	1 625 000		1 625 000	162 500	11 730 500	10 235 500	1 335 000	11 570 500	160 000	13 518 000	13 195 500	322 500	
CERN	137 500	125 000	12 500	137 500		24 235 000	24 235 000		24 235 000		24 372 500	24 372 500		
<b>A) TOTAL MEMBER STATES</b>	<b>9 437 500</b>	<b>8 657 383</b>	<b>37 500</b>	<b>8 694 883</b>	<b>742 617</b>	<b>61 238 060</b>	<b>55 699 293</b>	<b>1 793 500</b>	<b>57 492 793</b>	<b>3 745 267</b>	<b>70 675 560</b>	<b>66 187 676</b>	<b>4 487 884</b>	<b>0</b>
<b>NON-MEMBER STATES</b>														
ARMENIA	137 500	100 000		100 000	37 500						137 500	100 000	37 500	
AUSTRALIA	275 000	250 000		250 000	25 000	650 000	300 000		300 000	350 000	925 000	550 000	375 000	
AZERBAIJAN	137 500	120 000		120 000	17 500						137 500	120 000	17 500	
BELARUS	275 000	192 389		192 389	82 611						275 000	192 389	82 611	
BRAZIL	137 500	75 000		75 000	62 500						137 500	75 000	62 500	
CANADA	962 500	875 000		875 000	87 500	2 745 500	530 500	104 000	634 500	2 111 000	3 708 000	1 509 500	2 198 500	
CHINESE CLUSTER	137 500	125 000		125 000	12 500	371 000	31 000		31 000	340 000	508 500	156 000	352 500	
GEORGIA	137 500	53 100	71 900	125 000	12 500						137 500	125 000	12 500	
ISRAEL	412 500	375 000		375 000	37 500	800 000	299 500		299 500	500 500	1 212 500	674 500	538 000	
JAPAN	2 062 500	1 875 000	187 500	2 062 500		2 554 500	1 392 000		1 392 000	1 162 500	4 617 000	3 454 500	1 162 500	
MOROCCO	137 500	62 500		62 500	75 000	50 000				50 000	187 500	62 500	125 000	
ROMANIA	137 500	137 500		137 500		30 000	30 000		30 000		167 500	167 500		
RUSSIA	962 500	612 500		612 500	350 000	2 925 000	600 000		600 000	2 325 000	3 887 500	1 212 500	2 675 000	
JINR	137 500	112 500		112 500	25 000	400 000				400 000	537 500	112 500	425 000	
SERBIA	37 500	37 500		37 500		99 500	99 500		99 500		137 000	137 000		
SLOVENIA	137 500	125 000		125 000	12 500	643 500	600 000		600 000	43 500	781 000	725 000	56 000	
TAIPEI SNC	137 500	125 000		125 000	12 500	1 406 500	1 290 000		1 290 000	116 500	1 544 000	1 415 000	129 000	
TURKEY	275 000	250 000		250 000	25 000						275 000	250 000	25 000	
U.S.A. DOE & NSF	4 537 500	4 125 000		4 125 000	412 500	19 653 500	16 780 768		16 780 768	2 872 732	24 191 000	20 905 768	3 285 232	
<b>B) TOTAL NON-MEMBER STATES</b>	<b>11 175 000</b>	<b>9 627 989</b>	<b>259 400</b>	<b>9 887 389</b>	<b>1 287 611</b>	<b>32 329 000</b>	<b>21 953 268</b>	<b>104 000</b>	<b>22 057 268</b>	<b>10 271 732</b>	<b>43 504 000</b>	<b>31 944 657</b>	<b>11 559 343</b>	<b>0</b>
<b>TOTAL (A+B)</b>	<b>20 612 500</b>	<b>18 285 372</b>	<b>296 900</b>	<b>18 582 272</b>	<b>2 030 228</b>	<b>93 567 060</b>	<b>77 652 561</b>	<b>1 897 500</b>	<b>79 550 061</b>	<b>14 016 999</b>	<b>114 179 560</b>	<b>98 132 333</b>	<b>16 047 227</b>	<b>0</b>

Total Interest credited	2 382 396
Total paid in advance	0
<b>Total received Contributions including Interest</b>	<b>100 514 729</b>

***Common Fund: Situation of Membership Fees as from 1996 until 2003***

*This table shows the situation of outstanding contributions due for the indicated years as agreed by the Collaboration*

amounts in CHF

FUNDING AGENCIES	Total Due Membership Fees	Due 1996	Due 1997	Due 1998	Due 1999	Due 2000	Due 2001	Due 2002	Due 2003	Total received	Balance due
<b>MEMBER STATES</b>											
GREECE	300 000					37 500		37 500		225 000	75 000
<b>A) TOTAL MEMBER STATES</b>	<b>300 000</b>					<b>37 500</b>		<b>37 500</b>		<b>225 000</b>	<b>75 000</b>
<b>NON-MEMBER STATES</b>											
BELARUS	200 000								7 611	192 389	7 611
BRAZIL	100 000		12 500	12 500						75 000	25 000
MOROCCO	100 000		12 500			12 500	12 500	12 500	12 500	37 500	62 500
RUSSIA	700 000								87 500	612 500	87 500
<b>B) TOTAL NON-MEMBER STATES</b>	<b>1 100 000</b>		<b>25 000</b>	<b>12 500</b>		<b>12 500</b>	<b>12 500</b>	<b>12 500</b>	<b>107 611</b>	<b>917 389</b>	<b>182 611</b>
<b>Total (A+B)</b>	<b>1 400 000</b>		<b>25 000</b>	<b>12 500</b>		<b>50 000</b>	<b>12 500</b>	<b>50 000</b>	<b>107 611</b>	<b>1 142 389</b>	<b>257 611</b>

## Construction Completion: Situation of Outstanding Membership Fees as from 2002

*This table shows the situation of outstanding contributions due for the indicated years as agreed by the Collaboration*

amounts in CHF

FUNDING AGENCIES	Total Due 2002-2006	Total Received	Outstanding			Paid in advance for 2007
			2002-2005	Due 2006	total	
<b>MEMBER STATES</b>						
AUSTRIA	37 500	25 000		12 500	12 500	
CZECH REPUBLIC	112 500	112 500				
DENMARK	37 500	37 500				
FINLAND						
FRANCE IN2P3	225 000	150 000		75 000	75 000	
FRANCE CEA	37 500	25 000		12 500	12 500	
GERMANY BMBF	337 500	337 500				
GERMANY MPI	37 500	25 000		12 500	12 500	
GREECE	112 500		75 000	37 500	112 500	
ITALY	450 000	300 000		150 000	150 000	
NETHERLANDS	75 000	50 000		25 000	25 000	
NORWAY	75 000	43 000	7 000	25 000	32 000	
POLAND	75 000	62 500		12 500	12 500	
PORTUGAL	37 500	26 883		10 617	10 617	
SLOVAK REPUBLIC	25 000	25 000				
SPAIN	112 500	75 000		37 500	37 500	
SWEDEN	150 000	150 000				
SWITZERLAND	75 000	62 500		12 500	12 500	
UNITED KINGDOM	487 500	325 000		162 500	162 500	
CERN	37 500	37 500				
<b>A) TOTAL MEMBER STATES</b>	<b>2 537 500</b>	<b>1 869 883</b>	<b>82 000</b>	<b>585 617</b>	<b>667 617</b>	<b>0</b>
<b>NON-MEMBER STATES</b>						
ARMENIA	37 500		25 000	12 500	37 500	
AUSTRALIA	75 000	50 000		25 000	25 000	
AZERBAIJAN	37 500	20 000	5 000	12 500	17 500	
BELARUS	75 000		50 000	25 000	75 000	
BRAZIL	37 500		25 000	12 500	37 500	
CANADA	262 500	175 000		87 500	87 500	
CHINESE CLUSTER	37 500	25 000		12 500	12 500	
GEORGIA	37 500	25 000		12 500	12 500	
ISRAEL	112 500	75 000		37 500	37 500	
JAPAN	562 500	562 500				
MOROCCO	37 500	25 000		12 500	12 500	
ROMANIA	37 500	37 500				
RUSSIA	262 500		175 000	87 500	262 500	
JINR	37 500	12 500	12 500	12 500	25 000	
SERBIA	37 500	37 500				
SLOVENIA	37 500	25 000		12 500	12 500	
TAIPEI SNC	37 500	25 000		12 500	12 500	
TURKEY	75 000	50 000		25 000	25 000	
U.S.A. DOE & NSF	1 237 500	825 000		412 500	412 500	
<b>B) TOTAL NON-MEMBER STATES</b>	<b>3 075 000</b>	<b>1 970 000</b>	<b>292 500</b>	<b>812 500</b>	<b>1 105 000</b>	<b>0</b>
<b>TOTAL (A+B)</b>	<b>5 612 500</b>	<b>3 839 883</b>	<b>374 500</b>	<b>1 398 117</b>	<b>1 772 617</b>	<b>0</b>

### 1.3. Commissioning & Integration: Contributions received and outstanding

This table shows the contributions received in the indicated period and the contributions due as agreed by the Collaboration.

amounts in CHF

FUNDING AGENCIES	Due 2002-2006	Received			Outstanding
		from 2002 to 2005	in 2006	Total	
<b>MEMBER STATES</b>					
AUSTRIA	15 000	15 000		15 000	
CZECH REPUBLIC	31 000	31 000		31 000	
DENMARK					
FINLAND					
FRANCE CEA					
FRANCE IN2P3	711 000				711 000
GERMANY BMBF	724 000	270 000	454 000	724 000	
GERMANY MPI	167 000	167 000		167 000	
GREECE					
ITALY	1 007 000	761 000		761 000	246 000
NETHERLANDS	341 000	341 000		341 000	
NORWAY	92 000	92 000		92 000	
POLAND					
PORTUGAL	44 000	27 000		27 000	17 000
SLOVAK REPUBLIC					
SPAIN	216 000	216 000		216 000	
SWEDEN	239 000	239 000		239 000	
SWITZERLAND	433 000		433 000	433 000	
UNITED KINGDOM	732 000	500 000		500 000	232 000
CERN	3 811 000	3 811 000		3 811 000	
<b>A) TOTAL MEMBER STATES</b>	<b>8 563 000</b>	<b>6 470 000</b>	<b>887 000</b>	<b>7 357 000</b>	<b>1 206 000</b>
<b>NON-MEMBER STATES</b>					
ARMENIA					
AUSTRALIA					
AZERBAIJAN					
BELARUS					
BRAZIL					
CANADA	336 000		336 000	336 000	
CHINESE CLUSTER	20 000	20 000		20 000	
GEORGIA					
ISRAEL	106 000				106 000
JAPAN	683 000	451 500		451 500	231 500
MOROCCO					
ROMANIA					
RUSSIA					
JINR					
SLOVENIA	36 000				36 000
TAIPEI SNC	65 000	65 000		65 000	
TURKEY					
U.S.A. DOE & NSF					
<b>B) TOTAL NON-MEMBER STATES</b>	<b>1 246 000</b>	<b>536 500</b>	<b>336 000</b>	<b>872 500</b>	<b>373 500</b>
<b>GRAND TOTAL (A+B)</b>	<b>9 809 000</b>	<b>7 006 500</b>	<b>1 223 000</b>	<b>8 229 500</b>	<b>1 579 500</b>

Total Interest credited	39 378
-------------------------	--------

Total received Contributions including Interest	8 268 878
-------------------------------------------------	-----------

## 1.4. Payments and Outstanding Commitments

### *Payments (in kCHF)*

	<b>2006</b>
DETECTOR INFRASTRUCTURE	1 696
INFRASTRUCTURE-MANPOWER	643
BARREL TOROID MAGNET	351
RADIATION SHIELDING	318
DETECTOR INFRASTRUCTURE / C&I A	121
LAR CRYOGENIC PLANT	102
DETECTOR CONTROL SYSTEM	35
MANPOWER-SUPPLEMENTARY	19
<b>Total</b>	<b>3 285</b>

### *Outstanding Commitments (in kCHF)*

	<b>2006</b>
END-CAP TOROID MAGNETS	4 046
MAGNET CRYOGENIC PLANT	3 889
DETECTOR INFRASTRUCTURE	2 836
BARREL TOROID MAGNET	2 451
RADIATION SHIELDING	1 028
LAR CRYOGENIC PLANT	77
CC_A GENERAL	40
DETECTOR CONTROL	25
DETECTOR INFRASTRUCTURE / C&I A	25
LAR END-CAP CRYOSTATS	1
MAGNET CRYOGENIC PLANT	1
<b>Total</b>	<b>14 419</b>

## 2. Maintenance & Operations, category A

Statement of account up to 28<sup>th</sup> February 2006

### 2.1. Key Figures

#### *Income and Payments*

		2006 kCHF
	<b>Income:</b>	
1	Balance brought forward from previous year	<b>14</b>
2	Contributions received during the year	<b>1 488</b>
<b>3=1+2</b>	<b>Total income</b>	<b>1 502</b>
	<b>Payments:</b>	
4	Total cash outflows	<b>179</b>
<b>5 = 3 - 4</b>	<b>Total Funds currently available</b>	<b>1 323</b>

#### *Outstanding commitments*

		kCHF
	Outstanding commitments in 2006	140
	<b>Total</b>	<b>140</b>



## 2.2 M&O: Contributions received and outstanding

This table shows the situation of outstanding contributions due for the indicated years as agreed by the Collaboration

amounts in CHF

FUNDING AGENCIES	2002-2005			2006			2002-2006			Paid in advance
	Due	Received	Outstanding	Due	Received	Outstanding	Due	Received	Outstanding	
<b>MEMBER STATES</b>										
AUSTRIA	51 577	51 577		38 000	38 000		89 577	89 577		
CZECH REPUBLIC	200 861	200 861		197 000	49 000	148 000	397 861	249 861	148 000	60 000
DENMARK	61 527	61 527		38 000	38 000		99 527	99 527		
FRANCE CEA	163 850	163 850		121 000	121 000		284 850	284 850		
FRANCE IN2P3	562 516	562 516		477 000		477 000	1 039 516	562 516	477 000	
GERMANY BMBF	662 651	662 651		470 000		470 000	1 132 651	662 651	470 000	
GERMANY MPI	165 444	165 444		134 000	112 000	22 000	299 444	277 444	22 000	
GREECE	222 394		222 394	153 000		153 000	375 394		375 394	
ITALY	1 139 501	1 139 501		922 000		922 000	2 061 501	1 139 501	922 000	
NETHERLANDS	129 978	129 978		108 000	108 000		237 978	237 978		
NORWAY	69 338	69 338		64 000		64 000	133 338	69 338	64 000	
POLAND	113 739		113 739	64 000		64 000	177 739		177 739	
PORTUGAL	76 922	76 922		83 000		83 000	159 922	76 922	83 000	
SLOVAK REPUBLIC	62 470	62 470		51 000		51 000	113 470	62 470	51 000	
SPAIN	248 639	248 639		242 000		242 000	490 639	248 639	242 000	
SWEDEN	155 285	155 285		134 000	134 000		289 285	289 285		
SWITZERLAND	116 103	116 103		121 000	121 000		237 103	237 103		
UNITED KINGDOM	888 527	888 527		769 000		769 000	1 657 527	888 527	769 000	
CERN	1 105 623	1 105 623		795 000	795 000		1 900 623	1 900 623		
<b>A) TOTAL MEMBER STATES</b>	<b>6 196 945</b>	<b>5 860 812</b>	<b>336 133</b>	<b>4 981 000</b>	<b>1 516 000</b>	<b>3 465 000</b>	<b>11 177 945</b>	<b>7 376 812</b>	<b>3 801 133</b>	<b>60 000</b>
<b>NON-MEMBER STATES</b>										
ARMENIA	12 850		12 850	14 000		14 000	26 850		26 850	
AUSTRALIA	69 461	69 461		50 000	50 000		119 461	119 461		
AZERBAIJAN	69 461	20 128	49 333	50 000		50 000	119 461	20 128	99 333	
BELARUS	79 381		79 381	43 000		43 000	122 381		122 381	
BRAZIL	55 461	53 551	1 910	36 000		36 000	91 461	53 551	37 910	
CANADA	356 933	356 933		247 000		247 000	603 933	356 933	247 000	
CHINESE CLUSTER	137 839	137 839		100 000		100 000	237 839	137 839	100 000	
GEORGIA	65 570	65 570		28 000		28 000	93 570	65 570	28 000	
ISRAEL	148 364	148 364		105 000		105 000	253 364	148 364	105 000	
JAPAN	554 575	554 575		382 000		382 000	936 575	554 575	382 000	
MOROCCO	79 381	46 000	33 381	57 000		57 000	136 381	46 000	90 381	
ROMANIA	103 231	103 231		85 000		85 000	188 231	103 231	85 000	
JINR				214 000		214 000	214 000		214 000	
RUSSIA PROTIVINO	534 770	83 800	450 970	455 000		455 000	989 770	83 800	905 970	
SERBIA	42 000	42 000		28 000	3 000	25 000	70 000	45 000	25 000	
SLOVENIA	59 541	59 541		43 000	43 000		102 541	102 541		
TAIPEI SNC	83 381	83 381		57 000		57 000	140 381	83 381	57 000	
TURKEY	88 541	88 541		57 000		57 000	145 541	88 541	57 000	
U.S.A. DOE & NSF	2 125 520	2 125 520		1 731 000		1 731 000	3 856 520	2 125 520	1 731 000	
<b>B) TOTAL NON-MEMBER STATES</b>	<b>4 666 260</b>	<b>4 038 435</b>	<b>627 825</b>	<b>3 782 000</b>	<b>96 000</b>	<b>3 686 000</b>	<b>8 448 260</b>	<b>4 134 435</b>	<b>4 313 825</b>	<b>0</b>
<b>GRAND TOTAL (A+B)</b>	<b>10 863 205</b>	<b>9 899 247</b>	<b>963 958</b>	<b>8 763 000</b>	<b>1 612 000</b>	<b>7 151 000</b>	<b>19 626 205</b>	<b>11 511 247</b>	<b>8 114 958</b>	<b>60 000</b>

Total paid in advance	60 000
Total received Contributions, including advance	11 571 247

## 2.3 M&O\_A : Payments and Outstanding Commitments

### *Payments (in kCHF)*

	2006
DETECTOR INFRASTRUCTURE / M&O A	170
DCS OPERATIONS	5
MAGNET CRYOGENIC PLANT / M&O A	4
<b>Total</b>	<b>179</b>

### *Outstanding Commitments (in kCHF)*

	2006
DETECTOR INFRASTRUCTURE / M&O A	89
MAGNET CRYOGENIC PLANT / M&O A	51
<b>Total</b>	<b>140</b>

## ATLAS EXPERIMENT - September 2005 to March 2006

## Market Surveys

Ref. No.	Description	Technical contact	Sending date	Closing date	Current status (Companies)	Forecast sending out date of Call for Tenders	Funding	Resulting CERN Price Enquiry/ Call for tenders/ contracts
MS-3397/TS /Rev/1	Supply of fluorocarbon fluids C3F8 and C6F14 for ATLAS, CMS and LHCb cooling systems	M. Battistin/TS	05.10.05	26.10.05	22 firms contacted in 5 MS and 1 RU 7 interested 1 declined 15 no reply	13.12.05	29% CMS Tracker [T630570] 64% ATLAS D2 Detector [T575100] 7% LHCb M&O-A Common Fund [T767500]	IT-3397/TS

## Invitation to Tenders

Ref. No. (Tender)	Ref. No (MS)	Description	Technical contact	Sending date	Closing date	Offers	Result	Contract/ Order value	Funding	Contract/ order date
IT-3397/TS/Rev/1	MS-3397/TS/Rev/1	Supply of fluorocarbon fluid C6F14 for ATLAS and CMS cooling systems	M. Battistin/TS	13.12.05	25.01.06	6 firms contacted in 4 MS	Under technical evaluation			

**Case B purchase orders / contracts**

Institute	Reference Tender/MS/FC	Description	Technical contact	Sending date of IT	Selected Company/Institute	Contract/order number	Contract/order value	Funding	Contract/order date
INFN (IT)	-	Muon barrel cabling	A. Lanza/PH	-	C.P.E. Italia Spa (IT)	CA 1396177	76317 Euros	ATLAS Italy [T548500]	14.12.05