Status of Contributions to ATLAS Common Projects as of 28 February 2002

The ATLAS Common Projects are financed by contributions from the Funding Agencies in proportion to their commitments to deliverables to system/sub-detector construction with a minimum cash contribution of 100 kCHF per collaborating institution. The contributions to the Common Projects are calculated, for the purpose of this report, on the basis of the expected total contributions by the Funding Agencies to ATLAS (c.f. Annex 8 of the Memorandum of Understanding, ATLAS RRB-D 98-44 rev.).

Contributions to the ATLAS Common Projects are made either in kind or by cash contributions to the Common Fund, the latter one including the minimal cash contribution.

The attached Table shows the status of the contributions to the Common Projects as of February 28, 2002, including advance cash contributions. It also shows the impact of in-kind allocations proposed for approval by the RRB at its meeting on 23 April, 2002. The in-kind contributions already allocated, as well as the newly proposed ones, are listed by Funding Agency in the Annex.

Status of Contributions to Common Projects by Funding Agency

(in kCHF)

actual situtation on 28/02/2002

new in-kind proposals

Funding	C.P.	in-kind	cash	m.s.	total	% of	in-kind	total	% of
Agency	obligation	contrib.	contrib.	contrib.	contrib.	obligation	contrib.	contrib.	obligation
				l. I			<u> </u>		
Armenia	100			12.5	12.5	13%		12.5	13%
Australia	1100	250		200.0	450.0	41%		450.0	41%
Austria	250	200		75.0	275.0	110%		275.0	110%
Azerbaijan	100			34.6	34.6	35%		34.6	35%
Belarus	200			26.3	26.3	13%		26.3	13%
Brazil	100			37.5	37.5	38%		37.5	38%
Canada	6600	3360		525.0	3885.0	59%		3885.0	59%
China NSFC+MSTC	440			75.0	75.0	17%		75.0	17%
Czech Republic	600	15		262.5	277.5	46%		277.5	46%
Denmark	1400	200	1100	100.0	1400.0	100%		1400.0	100%
Finland	100			62.5	75.0	75%		75.0	75%
France IN2P3	17000	9020	2000	450.0	11470.0	67%		11470.0	67%
France CEA*	5800	4420		87.5	4507.5	78%		4507.5	78%
Georgia	100			28.0	28.0	28%		28.0	28%
Germany BMBF	14200	13315	32	687.5	14034.5	99%		14034.5	99%
Germany MPI	3300	2075	550	75.0	2700.0	82%		2700.0	82%
Greece	750			187.5	187.5	25%		187.5	25%
Israel	2100	1000	163	262.5	1425.0	68%		1425.0	68%
Italy	19800	18200		900.0	19100.0	96%		19100.0	96%
Japan	14000	10900		1125.0	12025.0	86%		12025.0	86%
Morocco	150			37.5	37.5	25%		37.5	25%
Netherlands	6700	6700		150.0	6850.0	102%		6850.0	102%
Norway	1800	1150	872	150.0	2172.0	121%		2172.0	121%
Poland	400		60	150.0	210.0	53%		210.0	53%
Portugal	900	800		75.0	875.0	97%		875.0	97%
Romania	250			25.0	25.0	10%		25.0	10%
Russia#	8000	4650		262.5	4912.5	61%		4912.5	61%
JINR	2300	1800		87.5	1887.5	82%		1887.5	82%
Slovak Republic	200		15	75.0	90.0	45%		90.0	45%
Slovenia	660			75.0	75.0	11%		75.0	11%
Spain	4300	4300		225.0	4525.0	105%		4525.0	105%
Sweden	4700	1240	220	300.0	1760.0	37%		1760.0	37%
Switzerland	8500	8400	276	150.0	8826.0	104%		8826.0	104%
Taipei	1320			100.0	100.0	8%		100.0	8%
Turkey	200			125.0	125.0	63%		125.0	63%
United Kingdom	15000	2950	5378	975.0	9303.0	62%		9303.0	62%
US DOE + NSF	35500	13650	9385	2475.6	25510.6	72%		25510.6	72%
CERN#	27400	4260	12770	87.5	17117.5	62%		17117.5	62%
					I	1			1
total	206320	112855	32821	10739.5	156415.0	76%	0	156427.5	76%

^{*} Revised CP obligation following CEA withdrawal from TDAQ (Oct 2000 RRB)

[#] Revised CP contributions resulting from the CERN-Russia '5+5' decision in Oct 2000

Annex

In-kind Contributions to ATLAS Common Projects by Funding Agency as of February 28, 2002

	value (kCHF)	date of RRB decision
Australia		decision
- Cu shielding (inside LAr cryostats)	250	October 1999
Austria		
- superinsulation for end-cap toroids	200	October 1999
Canada		
 signal feedthroughs for LAr end-cap cryostats (including cables) 	3360	October 1997
Czech Republic		
- polyethylene moderator for ID	15	April 2001
Denmark		
- power supply for toroid test station	200	April 1998
France IN2P3		
- design of LAr end-cap cryostats	720	April 1996
- construction of LAr end-cap cryostats	2650 650	October 1997 October 1997
cables for LAr barrel cr. feedthroughsparts of LAr prox. and external cryoger		October 1997 October 1999

France CEA

 design of barrel toroid magnet work on B0 - coil EB welding tool for BT coil casings EB welding tool for BT coil casings reduction in contribution 	3500 920 800 -800	October 1995 October 1996 April 1998 October 2001
Germany, BMBF		
 design of LAr end-cap cryostats short sample superconductor 50% of superconducting cable for toroids 	240 600 6800	April 1996 April 1997 October 1997
- construction of LAr end-cap cryostats	1325	October 1997
- elements of BT coil casings	3350	April 1998
 vacuum pumps for the toroid magnets 	1000	October 2000
Germany, MPIconstruction of LAr end-cap cryostatssupporting structures for cryolines	1325 750	October 1997 October 2001
Israel		
- thermal shields for ECTs	1000	April 2000
Italy, INFN		
work on B0 - coil25% of superconducting cable for	2450	October 1996
toroids	3400	October 1997
- winding machine for barrel toroid	3500	October 1997
 winding of BT coils 	6500	April 1998
- thermal shields for BT coils	1300	April 1999
- thermal shields for BT coils, add. alloc.	250	April 2000
- engineering work for barrel toroid	800	April 2001

Japan

design of solenoidconstruction of solenoid	300 10600	April 1996 April 1997
Netherlands, NIKHEF		
 vacuum vessels and part of the cold mass for end-cap toroids 	6700	October 1997
Norway		
- LAr storage vessels	1150	April 2000
Portugal		
- He storage vessels	800	October 1999
Russia		
 current leads for toroid magnets tie rods for BT coils mechanical supports for BT test station tie rods for BT coils, reduction of alloc. BT superinsulation ECT cold mass support rods BT warm structure detector support structures (Feet and Rai BT warm structure (reduction in contributed detector support structures (Feet and Rai reduction in contribution 	ution)-400	April 1999 April 1999 April 1999 April 2000 April 2000 April 2000 October 2000 October 2001 October 2001
JINR		
 BT warm structure detector support structures (Feet and Rai BT warm structure (increase in contribut detector support structures (Feet and Rai reduction in contribution 	ion)+400	April 2000 October 2000 October 2001 October 2001

Spain

vacuum vessels for the BT coilssteel for vacuum vessels	5300	October 1998
reduction of contribution	- 1000	April 2000
Sweden		
- steel for vacuum vessels	1000	April 2000
- surveying support	240	April 1999
Switzerland		
- 25% of superconducting cable for		
toroids	3400	October 1997
- elements of BT coil casings	5000	April 1998
United Kingdom		
design of end-cap toroid magnetsproximity cryogenics for barrel toroid	1250	October 1995
test station	1700	October 1998
US		
 design of LAr barrel cryostat construction of LAr barrel cryostat (re-evaluation of CORE contribution 	1960	April 1996
after tendering in autumn 1998)	5000	October 1997
signal feedthroughs for LAr barrel cr.high voltage feedthroughs for LAr	3530	October 1997
barrel and end-cap cryostats	660	October 1997
- engineer for central magnet project team	400	October 1999
- parts of LAr prox. and external cryogenics	1500 600	October 1999 October 2000
 extension of supply for LAr cryogenics 	000	October 2000

CERN

- design of infrastructure elements	1900	April 1998
- current leads for toroid magnets	100	April 1999
- tie rods for BT coils	300	April 1999
- mechanical supports for BT test station	150	April 1999
- barrel toroid test station mechanics	860	October 1999
- tie rods for BT coils, increase of alloc.	100	April 2000
- ECT cold mass support rods	100	April 2000
- BT warm structure	750	April 2000