

Status of the ALICE CORE Construction Budgets

C. Decosse

- Report on 2008 CORE expenses
- Update on 2009 CORE expenses
- Preliminary 2010 CORE budget
- Status of the Common Fund
- MoU Addenda

2008 Budget by System and Funding Agency

unit: kCHF

Sum of Pay	System							
Funding Agency	TRD	TOF	PHOS	Muons	DAQ	HLT	Infrastr.	Grand Total
CERN					200		200	400
France IN2P3				93				93
Germany GSI	2,540					317		2,857
Italy		800						800
Norway			80					80
China			260					260
Japan			513					513
JINR	50		122					172
Romania NIPNE	50							50
Russia KI			3,115					3,115
Grand Total	2,640	800	4,090	93	200	317	200	8,340

as agreed by RRB on Oct. 2007

2008 Expenditure by System and Funding Agency

Year		2008															
Payments	System																
Funding Agency	Pixel	Strip	TPC	TRD	TOF	EMCAL	HMPID	PHOS	Forward	Muons	DAQ	HLT	Infrastr.	ACORDE	ComPro	Grand Total	
CERN	174	-37					89				248		352			826	
Denmark									30							30	
France IN2P3						498				78						576	
Germany BMBF			15	156								54				225	
Germany GSI				817								275				1,092	
Italy					1,352				37							1,388	
Norway								65								65	
Poland			109													109	
China								130								130	
Japan								513								513	
JINR				29											0	29	
Mexico														20		20	
Romania NIPNE				50												50	
Russia LHC-2								214								214	
Russia Other															72	72	
United States DOE						1,391										1,391	
Grand Total	174	-37	124	1,052	1,352	1,888	89	922	67	78	248	329	352	20	72	6,730	

Cumulative Expenditure 1997 – 2008 by F/A

Table 3B: CORE Expenditure 1997 - 2008: Totals by Funding Agency

(Unit = kCHF)

Sum of Payments	Year												Grand Total
Funding Agency	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Grand Total
CERN	64.7	60.0	485.8	595.1	1,663.2	5,426.7	2,883.1	2,041.7	2,661.0	3,785.5	4,066.3	1,876.0	25,609.1
Czech Republic	35.9	50.0	55.0	55.0	35.0	40.0	45.0	80.0	107.4	60.0			563.3
Denmark			10.0	5.0	105.0	55.0	105.0	105.0	455.0	399.0	70.0	30.0	1,339.0
Finland		5.0	5.0	5.0	7.4	5.0	284.0	237.8	200.2	259.2	19.3	19.3	1,047.1
France CEA		5.0	5.0	50.0	144.0	290.0	335.0	534.5	196.0	81.0			1,640.5
France IN2P3		25.0	73.0	569.0	172.9	2,861.0	807.1	1,066.5	2,149.6	1,703.3	543.7	576.0	10,547.0
Germany BMBF		20.0	30.0	10.0	1,298.0	1,357.0	2,217.6	2,985.4	2,373.2	5,258.0	1,675.4	224.7	17,449.3
Germany GSI		5.0	5.0	235.0	904.0	426.9	905.0	1,034.1	1,814.0	888.7	1,259.0	1,091.9	8,568.6
Greece			110.0	160.4	5.0	10.0		18.7		133.5	163.1		600.7
Hungary		5.0	5.0	5.0	5.0	5.0	5.0	5.0	17.0	480.3	-10.0		522.3
Italy		100.0	622.0	334.0	1,471.0	2,285.3	3,350.2	4,199.8	5,921.4	8,739.7	4,818.2	1,388.4	33,229.9
Netherlands		105.0	110.0	36.3	72.1	344.6	746.0	437.0	362.0	282.8			2,495.8
Norway		10.0	10.0	10.0	10.0	10.0	61.0	601.0	269.0	189.0	190.0	65.0	1,425.0
Poland		5.0	10.0	25.0	5.0	166.2	196.5	139.8	132.7	225.6	13.0	113.9	1,032.7
Slovak Republic			20.0	95.0	105.0	61.4	180.0	140.0	125.0	82.6			809.0
Spain/Cuba											45.0		45.0
Sweden		5.0	5.0	5.0	5.0	121.4	615.0	546.6	1,402.4	277.0			2,982.4
Switzerland				5.0									5.0
United Kingdom		5.0	5.0	51.9	34.0	5.0	225.0	340.0	845.0	201.0	17.0		1,728.9
Armenia			2.0		5.0	4.8	8.0	8.0	5.0	5.0	5.0	8.3	51.1
China		5.0				160.0	185.0	188.0	256.0	337.0	278.0	130.0	1,539.0
Croatia				5.0	70.0	17.0	84.8	5.0	5.0		5.0	10.0	201.8
India				30.0	15.0	228.0	822.1	1,066.7	562.2	505.0			3,229.0
Japan											150.0	513.0	663.0
JINR		50.0	85.0		310.0	452.0	310.7	288.0	5.0	514.6	63.0	29.4	2,107.7
Mexico				5.0	5.0	15.0	5.0	30.0	100.1	383.6	52.0	30.0	625.7
Republic of Korea											67.0	50.0	117.0
Romania NIPNE						15.0	100.0	15.0	167.6	115.0	104.0	50.0	566.6
Romania ISS										45.0		10.0	55.0
Russia LHC-2	326.7	120.0	601.0	429.7	363.9	698.3	600.0	745.0	899.0	1,223.0	403.0	214.0	6,623.6
Russia Other						1,970.0	2,255.3	2,602.0	1,314.0	2,045.8	533.5	71.7	10,792.3
South Africa						5.0	5.0		5.0		10.0	20.0	45.0
Ukraine		10.0	50.0	165.0	70.0	40.0	20.0	263.0	261.0	121.0			1,000.0
United States CalPoly											50.0		50.0
United States Creighton							5.0	5.0	5.0		15.0		30.0
United States DOE								304.5	391.9	912.8	815.2	1,615.6	4,040.0
United States OSU			10.0	5.0	27.7	7.2	5.0	15.0	10.0	17.6	14.0		111.5
Grand Total	427.3	590.0	2,313.8	2,891.4	6,908.2	17,082.8	17,366.3	20,048.1	23,017.7	29,271.5	15,434.6	8,137.1	143,488.7

Cumulative expenditure 1997-2008 by system

Table 3A: CORE Expenditure 1997 - 2008: Totals by System

(Unit = kCHF)

Sum of Payments	Year												Grand Total
System	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Grand Total
Pixel					90.0	814.1	167.6	885.5	640.0	684.1	379.0	174.0	3,834.3
Drift	35.9	40.0	213.0	116.0	92.7	820.3	457.3	909.9	1,756.7	1,992.2	5.0		6,438.9
Strip			100.0	161.3	99.5	1,275.3	1,542.4	1,785.1	2,002.7	2,786.6	287.0	-37.0	10,002.9
ITS-CMA	21.5	11.9	45.0	31.0	40.3	14.8	22.0	9.0					195.5
TPC				320.9	2,496.2	2,408.5	2,266.4	1,866.4	2,199.9	1,121.7	190.5	123.6	12,994.0
TRD					68.0	560.0	2,196.9	3,091.7	1,974.6	5,119.6	2,966.3	1,051.9	17,029.0
TOF				29.4	5.6		1,370.1	1,515.2	2,759.2	5,457.9	4,827.2	1,351.7	17,316.3
Pestov/PPC	142.6	43.4	210.0										396.0
EMCAL								304.5	391.9	912.8	815.2	1,888.2	4,312.6
HMPID		4.1	13.3	50.0	305.9	783.2	315.6	166.7	189.3	176.6	71.0	89.0	2,164.8
PHOS	113.8	40.5	120.0	292.0	161.1	2,571.5	2,725.2	3,435.8	2,175.7	3,259.6	940.0	922.0	16,757.2
Forward			304.0	154.0	16.7	280.3	194.1	361.5	1,197.6	1,266.1	233.3	66.7	4,074.3
Muons	48.8	120.1	371.5	231.6	1,246.8	5,138.4	4,570.9	2,980.9	3,214.2	1,481.3	245.0	78.4	19,727.7
DAQ									646.7	1,044.5	671.0	248.0	2,610.2
Trigger				46.9	29.0		200.0	200.0	233.3	192.0	17.0		918.2
HLT						10.0	3.2	340.8	51.0	136.0	70.9	329.0	940.9
Infrastr.					557.5	281.1	718.7	710.1	1,106.0	1,365.2	2,612.3	352.0	7,703.0
ACORDE								30.0		83.6		20.0	133.6
C/F Cash/C&I		100.0	640.0	1,135.0	1,399.0	1,752.0	342.3	1,237.0	2,046.7	1,195.6	832.4	1,407.5	12,087.5
C/F Fee		230.0	252.0	270.0	224.9	255.0	240.7	178.1	230.0	90.0			1,970.7
ComPro	64.7		45.0	53.3	75.0	118.2	33.0	40.0	202.2	906.2	271.5	72.1	1,881.1
Grand Total	427.3	590.0	2,313.8	2,891.4	6,908.2	17,082.8	17,366.3	20,048.1	23,017.7	29,271.5	15,434.6	8,137.1	143,488.7

* EMCal payments have been added to CORE report

Update on 2009 CORE Expenses

26th meeting of the ALICE RRB 29 April 2009



2009 CORE Budget

Funding Agency	TRD	PHOS	Forward	DAQ	EMCal	Grand Total
CERN				1,200		1,200
Denmark			30			30
France					638	638
Germany GSI	1,571					1,571
China		250				250
Japan		100				100
Russia Other		4,103				4,103
United States DOE					3,125	3,125
Grand Total	1,571	4,453	30	1,200	3,763	11,017

Preliminary 2010 CORE Construction Budget

Table 4 - Preliminary 2010 CORE Budget by System and Funding Agency
(Unit = kCHF)

Preliminary Budget	System			
F/A	TRD	EMCal	HLT	Grand Total
Germany BMBF			280.0	280.0
Germany GSI	1,900.0			1,900.0
United States DOE		2,359.5		2,359.5
<i>Grand Total</i>	1,900.0	2,359.5	280.0	4,539.5

Status of the Common Fund

	Total payments					Funds due MoU	Additional funds	(total) (agreed)		Balance
	Fee	Cash	C&I	InKind	Total			C&I	C&I	
CERN	30.0	3,616.0	5.0	346.9	3,997.9	2,700.0	1,292.9	5.0	5.0	
Czech Republic	80.0	40.0	46.0		166.0	120.0 *)	14.0	32.0	32.0	
Denmark	40.0	80.0	49.0		169.0	120.0		49.0	49.0	
Finland	40.0	79.3	22.8		142.0	100.0		42.0	42.0	
France CEA	40.0	110.0	71.0		221.0	150.0		71.0	71.0	
France IN2P3	125.0	1,024.7	347.0		1,496.7	900.0	249.7	347.0	347.0	
Germany BMBF	210.7	1,069.3	490.0		1,770.0	1,280.0		490.0	490.0	
Germany GSI	40.0	680.0	278.0		998.0	720.0		278.0	278.0	
Greece	47.5	77.5	5.0		130.0	125.0 *)		5.0	5.0	
Hungary	45.0	45.0	37.0		127.0	100.0		27.0	27.0	
Italy	445.0	1,155.0	649.7		2,249.7	1,600.0	0.7	649.0	649.0	
Netherlands	40.0	180.0	87.0		307.0	220.0		87.0	87.0	
Norway	85.0	55.0	66.0		206.0	140.0		66.0	66.0	
Poland	122.0	13.0			135.0	120.0		52.0	15.0	
Slovak Republic	90.0	-6.4	36.0	16.4	136.0	100.0		36.0	36.0	
Spain/Cuba		45.0			45.0	45.0 *)				
Sweden	45.0	255.0	124.0		424.0	300.0	5.0	119.0	119.0	
Switzerland	5.0				5.0	5.0		14.0		
United Kingdom	40.0	120.0	64.0		224.0	160.0		64.0	64.0	
Subtotal MS	1,570.2	8,638.3	2,377.4	363.3	12,949.2	9,005.0	1,562.2	2,433.0	2,382.0	
Armenia	38.0	8.3		4.8	51.0	40.0		11.0	11.0	
Brazil						45.0 *)				-45.0
China	23.0				23.0	120.0 *)		121.0	15.0	-112.0
Croatia	50.0	50.0	17.0		117.0	100.0 *)		17.0	17.0	
India	120.0	80.0		137.2	337.2	300.0	22.2	126.0	15.0	
Japan		150.0			150.0	150.0 *)				
JINR	40.0		5.0	200.0	245.0	240.0 *)		116.0	5.0	
Korea, Rep. of		100.0			100.0	100.0 *)				
Korea, Yonsei		17.0			17.0	50.0				-33.0
Mexico	70.0				70.0	100.0 *)		10.0	10.0	-40.0
Romania ISS	40.0	5.0			45.0	40.0 *)		5.0	5.0	
Romania NIPNE	40.0	65.0			105.0	100.0		23.0	5.0	
Russia	85.0			1,175.7	1,260.7	1,300.0		250.0	10.0	-49.3
Ukraine	70.0				70.0	100.0		47.0	47.0	-77.0
South Africa	40.0		5.0		45.0	40.0 *)		5.0	5.0	
USA CalPoly		50.0			50.0	50.0				
USA Creighton	30.0				30.0	40.0		5.0	5.0	-15.0
USA DOE		225.0			225.0	360.0 *)				-135.0
USA (OSU)	40.0		9.0		49.0	40.0		9.0	9.0	
Subtotal NMS	686.0	750.3	36.0	1,517.7	2,989.9	3,315.0		745.0	159.0	-506.3
Subtotal MS + NMS	2,256.2	9,388.6	2,413.4	1,881.0	15,939.1	12,320.0	1,584.4	3,178.0	2,541.0	-506.3
Interest	455.5		10.5		466.0					
Totals	2,711.7	9,388.6	2,423.9	1,881.0	16,405.1	12,320.0	1,584.4	3,178.0	2,541.0	-506.3

*) Funds due fixed or updated by MoU Addendum

Common Fund, C&I contributions 1997-2008

Unit: kCHF

Cutoff date: 31 Dec. 08

Balance =

Funds received – Funds due

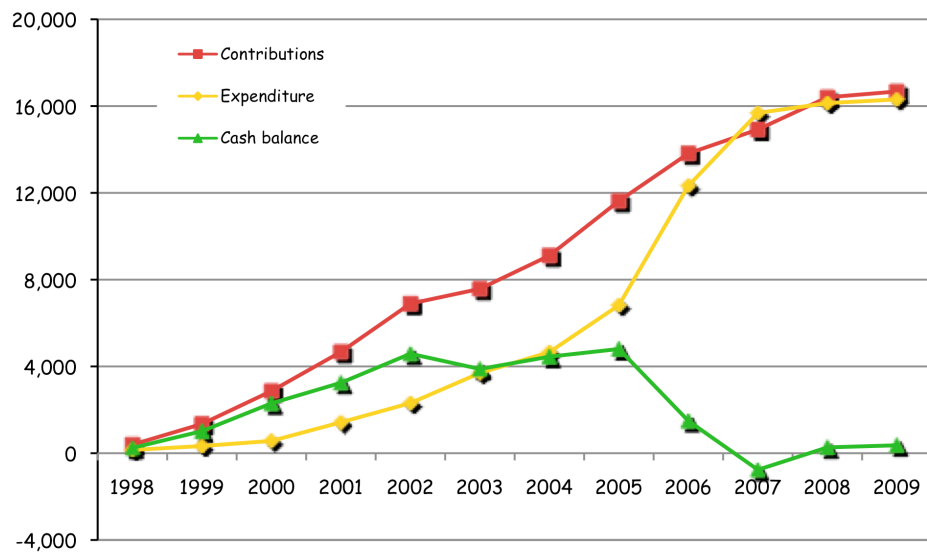
Received in 2009,
20kCHF from Mexico
Current balance -486.3 kCHF



ALICE 12

Common Fund balance

Contributions:	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Common Fund	330	892	1,405	1,624	1,990	341	795	1,796	410	679	1,383
In-kind contributions	65	54	64	75	118	13	40	202	906	271	72
Interest CF		7	47	107	100	83	73	33			5
C&I contributions					17	242	620	481	876	153	24
Interest C&I						2	4	5			
<i>Total contributions, including interest and in-kind</i>	395	953	1,516	1,806	2,225	682	1,531	2,517	2,192	1,104	1,484
<i>Cumulative contributions (C/F and C&I)</i>	395	1,348	2,864	4,670	6,895	7,577	9,108	11,625	13,817	14,921	16,405
Expenditure:											
Payments	85	127	171	782	769	1,372	923	1,960	4,601	3,085	380
In-kind contributions	65	54	64	75	118	13	40	202	906	271	72
Total spending	150	181	235	857	887	1,385	963	2,163	5,507	3,356	452
<i>Cumulative spending</i>	150	331	566	1,423	2,310	3,696	4,659	6,822	12,328	15,685	16,136
<i>End year balance</i>	245	1,017	2,298	3,247	4,585	3,881	4,449	4,804	1,489	-764	268



Unit: kCHF
Cutoff date: 31 Dec. 08

Common Fund estimates 2009 - 2010

Unit: kCHF

	Incomes	Foreseen Expenditures 2009-2010
2008 Carry over	268	
Outstanding Contributions to CF	486.7	
DCS		50
DAQ		250
Infrastructure		400
TOTAL	754.7	700

MoU Addenda

Brazil

- Participation of
 - Sao Paulo /Campinas, Universidade Estadual de Campinas
 - Sao Paulo, Universidade de Sao Paulo
 - Activity: EMCal, computing
 - Status: under discussion

Korea

- New Addendum signed on April 28th
 - Kangnung National University (since 2000);
 - Pusan National University (since 2008);
 - Sejong University (since 2005);
 - Yonsei University (since 2008).