TOTEM M&O 2008

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BUDGET REQUEST 2009

TOTEM M&O 2008 BUDGET BY FUNDING AGENCIES

Table 1: Cat. A cost by Funding Agencies (ref. Appendix 1 formula)

CERN	INFN	Finland	Estonia	Prague	US NSF	ТОТ
130	208	51	23	14	37	463

The amounts in Table 1 have been invoiced to the Funding Agencies and were in most cases already fully allocated. Payments are expected soon.

Table 2: Cat. B cost by Funding Agencies (ref. Appendix 2 formula)

CER	N	INFN	Finland	Estonia	Prague	US NSF	ТОТ
77		100	18	1	5	16	217

Table 3: Cat. A+B cost by Funding Agencies

ſ	CERN	INFN	Finland	Estonia	Prague	US NSF	ТОТ
	207	308	69	24	19	53	680

"The Scrutiny Group now recommends approval by the RRB of the TOTEM request for a total M&O Cat A budget of CHF 463k for the 2008 calendar year."

Appendix 1.

Category A: M&O expenses that are shared by the entire collaboration.

Detector Operation:

The sharing is based on the proportion of scientific staff in the collaboration holding PhD or equivalent qualifactions who are entitled to be named as authors of scientific publications of the collaboration.

CERN	INFN	Finland	Estonia	Prague	US NSF
17 / 62	28 / 62	7 / 62	3 / 62	2 / 62	5 / 62
28%	45%	11%	5%	3%	8%

Appendix 2.

Category B: M&O expenses that are borne by part of the collaboration, i.e. by single institutes or groups of institutes, and their Funding Agencies. The headings in this category are defined with reference to the distribution of responsibilities amongst the various institutes for the construction of the detector.

Detector maintenance and repairs:

The sharing is based on the proportions of the original investment.

SUB-DETECTOR	Responsibilities					
	CERN	INFN	Helsinki	Estonia	Prague	NSF
Roman Pots						
Mechanics + Installation	85% = 25k				15% = 5k	
Si Detectors	73% = 12k					27% = 4k
Electronics	50% = 11k			5% = 1k		45% = 10k
T1 Detector						
CSC Detectors		100% = 12k				
Electronics		90% = 18k				10% = 2k
Supports + Services	90% = 23k	10% = 2k				
T2 Detector						
GEM Detectors			100% = 12k			
Electronics		100% = 18k				
Supports + Services	50% = 6k		50% = 6k			
DAQ						
Read-out Column		100% = 50k				

M&O budget request for 2009 :

A total M&O budget envelope similar to 2008 is expected for the year 2009.

The number of authors is being revised for the Cat.A request 2009, in consultation with the RRB Scrutiny Group and the Funding Agencies.

The new KFKI collaborating institute is sufficiently funded for participating to the M&O costs for 3 years.

The sharing of Cat.B costs for Roman Pots will be reviewed including KFKI contributions.

2K

TOTEM M&O TOTAL BUDGET 2009

(preliminary)

A: TOT DETECTORS RELATED COSTS =	135K
A: TOT SECRETARIAT =	31K
A: TOT COMMUNICATIONS =	4 K
A: TOT CORE COMPUTING =	98K
A: TOT ONLINE COMPUTING =	96K
A: TOT TESTBEAMS, CALIBRATION =	40K
A: TOT LABORATORY OPERATIONS =	13K
A: TOT GENERAL SERVICES =	25K
<u>A: TOTAL =</u>	<u>442K</u>
B: TOT DETECTORS RELATED COSTS =	195K
B: TOT ONLINE COMPUTING =	50K

B: TOT GENERAL SERVICES =

TOTEM M&O TOTAL = 689K

TOTEM collaborators are preparing the detailed items list and related justifications for the budget request 2009.

The RRB Scrutiny Group will be provided with the related tables in the standard template well in advance in view of the Scrutiny Group review on 5-6 May 2008.