



AMS 02 Thermal Meeting CERN- Geneva 11/05/01



MASS budget and providers

System	item	provided by	mass Kg	TO BE PUT IN THE MASS BUDGET OF:
TRD	MLI external	LMCO	7	system
	radiator	Aachen	4	TRD
	MLI between TOF and Tracker	Aachen	0.8976	TRD
TOF	radiators	INFN Bo	4	TOF
TRACKER	Tracker cooling loop	NLR	80	Tracker
	radiators	system thermal team	18	system
	radiators MLI*	system thermal team	1	system
CRATES	radiators	system thermal team	58	system
	radiators MLI*	system thermal team	3.23	system
	crates MLI (horiz surfaces)	system thermal team	3.675	system
MAGNET/CRYO	radiators	system thermal team	31.2	system
	radiators MLI*	system thermal team	1.5	system
	heat pipes	system thermal team	1.8	system
	vacuum case MLI	LMCO	10	magnet
	vacuum case tape	LMCO	0	magnet
TOF	radiators	INFN Bo	4	TOF
RICH	extended ribs (radiators)	INFN BO	9.5	RICH
	MLI around mirror	LMCO	2	system
	MLI (back of ribs)	INFN BO	0.308	RICH
	MLI between RICH and ECAL	INFN BO	0.704	RICH
ECAL	winglets / panels	INFN PISA	27	ECAL
	Lower MLI	LMCO	1	system

VERIFICATION APPROACH

- Subdetectors tests:
 - RICH = Engineering model TB test
 - ECAL = Qualification Model TV test
 - TOF = Engineering model TV test
 - TRACKER = TBD
 - TRD = TBD
 - CRYOS = TBD
 - CRATES = Flight Model TV test



CONTACTS for phase 2

	thermal control responsible	Collaboration Contact	Other contacts
SYSTEM thermal control	CGS	J. Burger	
TRD	OHB system	del	
Tracker	NLR	Perrin	R. Battiston M. Pohl, NLR
ECAL	CGS	F. Cervelli	F. Cadoux
RICH	CGS	G. Laurenti	
TOF	CGS	G. Laurenti	
MAGNET/ VC	LMO	H. Hofer	
Cryos	R	R. Foster	
Crates	EC	M. Capell	

TO BE UPDATED