

## Status of electronics weight savings, 23 April 2004

Subsystem	Savings (kg)	Proposed/studied by	Status
Brackets on the main radiator	50	CGS/R.Becker/Y.Wang	approved
Extras on the main radiator	10	CGS	approved
RICH-ECAL radiator	20	G.Castellini/CGS	approved
Crate mechanics	5	M.Capell/CGS	approved
USCM in xDR crates	20	G.Castellini/G.Ambrosi/V.Koutsenko	approved
HV Bricks	14	G.Castellini/G.Ambrosi/D.Casadei	approved
R-crate modifications	6	G.Laurenti/J.Marin	approved
Backplane thickness	2	H.Chang/A.Kounine	approved
U-crate modifications	3	G.Schwering/M.Capell/A.Kounine	approved
E-crate modifications	-3	ECAL group	approved
Reintroducing end walls	-10		
More cabling + support	-20		
Zenith radiator	(5)	S.Schael/CGS	rejected
J-crate modifications	(6)	A.Kounine/M.Capell/X.Cai	rejected
<b>Total</b>	<b>95</b>		

April 2004: TCS – 311kg; Electronics – 460 kg; Positive margin – 5 kg.

# AMS02 Weight Revision 43, 29 Oct 2002, update 22.04.2004

Subsystem	Weight (Lbs)	Weight (kg)	Comments
ACC (with structure to VC)	117	53	–
Tracker (w/structure to VC & Laser System)	438	198.5	–
TOF (with upper&lower support structures)	525	238	negative margin
TRD (with support structure)	723	328	–
TRD gas system (with housing and brackets)	258	117	–
RICH (with mounting brackets to lower USS)	406	184	+ 5 kg
ECAL (with mounting brackets to lower USS)	1407	638	positive margin
Cryomagnetic system	5196	2357	positive margin
Electronics	1014	460	- 5 kg
TCS	686	311	positive margin
Contingency	213	96.5	–
STS integration HW	3237	1468	?
ISS integration HW	590	268	–
Total	14809	6717	–

# AMS02 Weight Revision 43, 29 Oct 2002, update 23.07.2004

Subsystem	Weight (Lbs)	Weight (kg)	Comments
ACC (with structure to VC)	117	53	–
Tracker (w/structure to VC & Laser System)	438	198.5	–
TOF (with upper&lower support structures)	525	238	+12 kg
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ECAL (with mounting brackets to lower USS)	1407	638	positive margin
Cryomagnetic system	5196	2357	positive margin
Electronics	1014	460	negative margin
TCS	686	311	-5 kg
Contingency	213	96.5	–
STS integration HW	3237	1468	–
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Total	14809	6717	–