CMS Calorimeter Trigger Money Matrix

	CMS Cost Estimate - Version	**8**			**4-Oct-96**			
No.	Item	Bristol	Helsinki	Lisbon	Palaiseau	Wisconsin	Total Income	Total Cost CHF
6.1.1	**CALORIMETER TRIGGER**	441	500	1403	1405	4078	7828	7861.540
6.1.1.1	**TriggerPrimitiveCard**						1008	1008.000
6.1.1.1.1	TPG				605		605	604.800
6.1.1.1.2	Sync TX			403			403	403.200
								0.000
6.1.1.2	**Sync TX (HCAL)**			419			419	419.400
								0.000
6.1.1.3	**Opt TX and fibre**	100	500	100	500		1200	1233.900
								0.000
6.1.1.4	**Trigger Crate**						250	249.717
6.1.1.4.1	Crate					15	15	14.820
6.1.1.4.2	Backplane					146	146	145.977
6.1.1.4.3	Power Supply					89	89	88.920
								0.000
6.1.1.5	**CrateMonitorCard**						25	24.700
6.1.1.5.1	Parts			10			10	9.880
6.1.1.5.2	Board			7			7	7.410
6.1.1.5.3	Assembly			7			7	7.410
								0.000
6.1.1.6	**ClockControlCard**						73	73.112
6.1.1.6.1	Parts					48	48	48.412
6.1.1.6.2	Board					15	15	14.820
6.1.1.6.3	Assembly					10	10	9.880
								0.000

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6.1.1.7	**ReceiverCard**							2399.153
6.1.1.7.1	Opt Rx					821	821	820.800
6.1.1.7.2	Sync Rx					426	426	425.600
6.1.1.7.3	Adder					105	105	104.880
6.1.1.7.4	Boundary Scan					0	0	0.000
6.1.1.7.5	Parts					761	761	761.353
6.1.1.7.6	Board					158	158	158.080
6.1.1.7.7	Assembly					128	128	128.440
								0.000
6.1.1.8	**ElectronIsolationCard**						651	650.864
6.1.1.8.1	Electron ID					70	70	69.920
6.1.1.8.2	Boundary Scan					0	0	0.000
6.1.1.8.3	Parts					443	443	442.624
6.1.1.8.4	Board					79	79	79.040
6.1.1.8.5	Assembly					59	59	59.280
								0.000
6.1.1.9	**JetSummaryCard**						100	99.761
6.1.1.9.1	Adder					9	9	8.740
6.1.1.9.2	Sorter	3					3	3.040
6.1.1.9.3	Boundary Scan					0	0	0.000
6.1.1.9.4	Parts					61	61	60.811
6.1.1.9.5	Board					15	15	14.820
6.1.1.9.6	Assembly					12	12	12.350
								0.000

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No.	Item	Bristol	Helsinki	Lisbon	Palaiseau	Wisconsin	Total Income	Total Cost CHF
6.1.1.10	**Cal. Global**						202	202.091
6.1.1.10.1	Trigger crate	13					13	13.143
6.1.1.10.2	ClockControlCard	4					4	3.848
6.1.1.10.3	Receiver/Sort Card	73					73	73.200
6.1.1.10.4	Receiver/Adder Card	35					35	35.100
6.1.1.10.5	Final Sort Card	47					47	46.800
6.1.1.10.6	Final Adder Card	15					15	15.000
6.1.1.10.7	Luminosity measurement	15					15	15.000
								0.000
6.1.1.11	**Cables**						19	19.490
6.1.1.11.1	Regional Trigger Cables					9	9	9.490
6.1.1.11.2	Global Trigger Cables	10					10	10.000
								0.000
6.1.1.12	**Prototypes and Spares**						566	566.352
6.1.1.12.1	Trigger Primitives P&S				150		150	150.000
6.1.1.12.2	Reg. Trigger P&S					391	391	391.352
6.1.1.12.3	Cal. Global P&S	25					25	25.000
								0.000
6.1.1.13	**Monitoring & Test**						178	178.000
6.1.1.13.1	Trigger primitives				50		50	50.000
6.1.1.13.2	Regional Trigger					78	78	78.000
6.1.1.13.3	Global trigger	25					25	25.000
6.1.1.13.4	Readout and Control			25			25	25.000
								0.000

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6.1.1.14	**ASICs Development**						506	506.000
6.1.1.14.1	TPG ASIC				100		100	100.000
6.1.1.14.2	Sync TX ASIC			100			100	100.000
6.1.1.14.3	Sync RX ASIC			100			100	100.000
6.1.1.14.4	Adder ASIC					65	65	65.000
6.1.1.14.5	Electron ID ASIC					65	65	65.000
6.1.1.14.6	Sorter ASIC	76					76	76.000
6.1.1.14.7	Boundary Scan ASIC					0	0	0.000
								0.000
6.1.1.15	**Readout and Control**						231	231.000
6.1.1.15.1	ROC (Mon&DAQ Proc)			140			140	140.000
6.1.1.15.2	FrontEndDriver			16			16	16.000
6.1.1.15.3	ROC Back-End			25			25	25.000
6.1.1.15.4	Software			50			50	50.000