









WBS	Task Name	Duration	Start	Finish	1998		1999		2000		2001		2002		2003		2004	
					Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
3.1.1.5.3	CCC Boards	305d	7/23/02	10/7/03									Jul 23	Oct 7				
3.1.1.5.3.1	CCC Prod. Manage	150d	7/23/02	3/4/03									Jul 23	Mar 4				
3.1.1.5.3.2	CCC Setup and tooling	100d	12/10/02	5/13/03									Dec 10	May 13				
3.1.1.5.3.3	CCC Boards	100d	12/10/02	5/13/03									Dec 10	May 13				
3.1.1.5.3.4	CCC Board assembly	80d	5/14/03	9/2/03									May 14	Sep 2				
3.1.1.5.3.5	CCC Connectors-copper	100d	12/10/02	5/13/03									Dec 10	May 13				
3.1.1.5.3.6	CCC Misc components	100d	12/10/02	5/13/03									Dec 10	May 13				
3.1.1.5.3.7	CCC Front Panels and Hardv	100d	12/10/02	5/13/03									Dec 10	May 13				
3.1.1.5.3.7	CCC Inspection and test	25d	9/3/03	10/7/03									Sep 3	Oct 7				
3.1.1.5.4	CCC Installation	100d	10/8/03	3/11/04									Oct 8	Mar 11				
3.1.1.5.5	CCC Spares	50d	12/10/02	3/4/03									Dec 10	Mar 4				
3.1.1.6	Crate Monitor Cards	100d	7/23/02	12/9/02									Jul 23	Dec 9				
3.1.1.7	Muon Backplanes	400d	7/23/02	3/4/04									Jul 23	Mar 4				
3.1.1.7.1	Muon Backplane Design	300d	7/23/02	9/30/03									Jul 23	Sep 30				
3.1.1.7.2	Muon Backplane Procure	100d	10/1/03	3/4/04									Oct 1	Mar 4				
3.1.1.8	Crate Controllers	100d	11/19/02	4/22/03									Nov 19	Apr 22				
3.1.1.9	Muon Crates	100d	11/19/02	4/22/03									Nov 19	Apr 22				
3.1.1.10	Muon Power Supplies	100d	11/19/02	4/22/03									Nov 19	Apr 22				
3.1.1.11	Additional Cables	315d	11/19/02	3/4/04									Nov 19	Mar 4				
3.1.1.11.1	Output Cables to Global Trigger	100d	10/1/03	3/4/04									Oct 1	Mar 4				
3.1.1.11.2	Optical Fibers from MPC to SR	100d	11/19/02	4/22/03									Nov 19	Apr 22				
3.1.1.11.3	Cables from SR-CSC to SR-OVR	100d	10/1/03	3/4/04									Oct 1	Mar 4				
3.1.1.12	Trigger System Tests	95d	4/30/04	9/9/04													Apr 30	
3.1.1.13	Trigger Project Management	1750d	10/1/97	9/30/04														
3.1.1.13.1	Tracking & Reporting	1750d	10/1/97	9/30/04														
3.1.2	Calorimeter Regional Trigger	1750d	10/1/97	9/30/04														
3.1.2.1	Prototypes	600d	10/1/97	3/3/00										Mar 3				
3.1.2.1.1	Proto. Receiver Card	230d	10/1/97	9/2/98										Sep 2				
3.1.2.1.1.1	Design Proto. RC	100d	10/1/97	3/4/98										Mar 4				
3.1.2.1.1.2	Order Proto. RC	100d	3/5/98	7/22/98										Mar 5		Jul 22		

WBS	Task Name	Duration	Start	Finish	1998		1999		2000		2001		2002		2003		2004	
					Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
3.1.2.1.1.3	Purchase Proto. RC	100d	3/5/98	7/22/98	Mar 5	Jul 22												
3.1.2.1.1.4	Test Proto RC	30d	7/23/98	9/2/98		Jul 23	Sep 2											
3.1.2.1.2	Proto. Electron ID Card	160d	3/5/98	10/14/98	Mar 5	Oct 14												
3.1.2.1.2.1	Design Proto. EIDC	75d	3/5/98	6/17/98	Mar 5	Jun 17												
3.1.2.1.2.2	Order Proto. EIDC	75d	6/18/98	9/30/98		Jun 18	Sep 30											
3.1.2.1.2.3	Purchase Proto. EIDC	75d	6/18/98	9/30/98		Jun 18	Sep 30											
3.1.2.1.2.4	Test Proto EIDC	30d	9/3/98	10/14/98		Sep 3	Oct 14											
3.1.2.1.3	Proto. Phase ASIC	340d	10/1/97	2/18/99			Feb 18											
3.1.2.1.3.1	Phase ASIC Proto Des.	260d	10/1/97	10/14/98		Oct 14												
3.1.2.1.3.2	Phase ASIC Proto. Order	80d	10/15/98	2/18/99		Oct 15	Feb 18											
3.1.2.1.3.3	Phase ASIC Proto. Purchase	80d	10/15/98	2/18/99		Oct 15	Feb 18											
3.1.2.1.4	Proto. BScan ASIC	340d	10/15/98	3/3/00		Oct 15	Mar 3											
3.1.2.1.4.1	BScan ASIC Proto Des.	260d	10/15/98	10/28/99		Oct 15	Oct 28											
3.1.2.1.4.2	BScan ASIC Proto. Order	80d	10/29/99	3/3/00			Oct 29	Mar 3										
3.1.2.1.4.3	BScan ASIC Proto. Purchase	80d	10/29/99	3/3/00			Oct 29	Mar 3										
3.1.2.1.5	Proto. Jet Summary Card	215d	10/15/98	8/26/99		Oct 15	Aug 26											
3.1.2.1.5.1	Design Proto. JSC	100d	10/15/98	3/18/99		Oct 15	Mar 18											
3.1.2.1.5.2	Order Proto. JSC	75d	3/19/99	7/1/99			Mar 19	Jul 1										
3.1.2.1.5.3	Purchase Proto. JSC	75d	3/19/99	7/1/99			Mar 19	Jul 1										
3.1.2.1.5.4	Test Proto JSC	40d	7/2/99	8/26/99			Jul 2	Aug 26										
3.1.2.1.6	Proto. Clock & Control Card	170d	3/19/99	11/11/99			Mar 19	Nov 11										
3.1.2.1.6.1	Design Proto. CCC	50d	3/19/99	5/27/99			Mar 19	May 27										
3.1.2.1.6.2	Order Proto. CCC	75d	5/28/99	9/9/99			May 28	Sep 9										
3.1.2.1.6.3	Purchase Proto. CCC	75d	5/28/99	9/9/99			May 28	Sep 9										
3.1.2.1.6.4	Test Proto CCC	10d	10/29/99	11/11/99			Oct 29	Nov 11										
3.1.2.1.7	Proto. Crate Monitor Card	50d	11/12/99	2/4/00			Nov 12	Feb 4										
3.1.2.1.7.1	Procure Proto. CMC	50d	11/12/99	2/4/00			Nov 12	Feb 4										
3.1.2.2	Preproduction ASICs	540d	8/27/99	10/19/01			Aug 27	Oct 19										
3.1.2.2.1	Electron ID ASIC	180d	8/27/99	5/19/00			Aug 27	May 19										
3.1.2.2.1.1	EID ASIC Design	100d	8/27/99	1/28/00			Aug 27	Jan 28										

WBS	Task Name	Duration	Start	Finish	1998		1999		2000		2001		2002		2003		2004	
					Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
3.1.2.2.1.2	EID ASIC Order	80d	1/31/00	5/19/00					Jan 31	May 19								
3.1.2.2.1.3	EID ASIC Purchase	80d	1/31/00	5/19/00					Jan 31	May 19								
3.1.2.2.2	Adder ASIC	160d	1/31/00	9/8/00					Jan 31	Sep 8								
3.1.2.2.2.1	Adder ASIC Design	80d	1/31/00	5/19/00					Jan 31	May 19								
3.1.2.2.2.2	Adder ASIC Order	80d	5/22/00	9/8/00					May 22	Sep 8								
3.1.2.2.2.3	Adder ASIC Purchase	80d	5/22/00	9/8/00					May 22	Sep 8								
3.1.2.2.3	Sort ASIC	160d	5/22/00	1/12/01					May 22	Jan 12								
3.1.2.2.3.1	Sort ASIC Design	80d	5/22/00	9/8/00					May 22	Sep 8								
3.1.2.2.3.2	Sort ASIC Order	80d	9/11/00	1/12/01					Sep 11	Jan 12								
3.1.2.2.3.3	Sort ASIC Purchase	80d	9/11/00	1/12/01					Sep 11	Jan 12								
3.1.2.2.4	Phase ASIC	200d	9/11/00	6/29/01					Sep 11	Jun 29								
3.1.2.2.4.1	Phase ASIC Design	100d	9/11/00	2/9/01					Sep 11	Feb 9								
3.1.2.2.4.2	Phase ASIC Order	100d	2/12/01	6/29/01					Feb 12	Jun 29								
3.1.2.2.4.3	Phase ASIC Purchase	100d	2/12/01	6/29/01					Feb 12	Jun 29								
3.1.2.2.5	Boundary Scan ASIC	180d	2/12/01	10/19/01					Feb 12	Oct 19								
3.1.2.2.5.1	Boundary Scan ASIC Design	100d	2/12/01	6/29/01					Feb 12	Jun 29								
3.1.2.2.5.2	Boundary Scan ASIC Order	80d	7/2/01	10/19/01					Jul 2	Oct 19								
3.1.2.2.5.3	Boundary Scan ASIC Purcha	80d	7/2/01	10/19/01					Jul 2	Oct 19								
3.1.2.3	Test Facilities	200d	5/22/00	3/9/01					May 22	Mar 9								
3.1.2.3.1	Design Test Facil.	140d	5/22/00	12/1/00					May 22	Dec 1								
3.1.2.3.2	Procure Test Facil.	30d	12/4/00	1/26/01					Dec 4	Jan 26								
3.1.2.3.3	Assemble Test Facil.	30d	1/29/01	3/9/01					Jan 29	Mar 9								
3.1.2.4	Power Supplies	100d	2/12/01	6/29/01					Feb 12	Jun 29								
3.1.2.4.1	Select Power Supplies	20d	2/12/01	3/9/01					Feb 12	Mar 9								
3.1.2.4.2	Power Supply Procure	80d	3/12/01	6/29/01					Mar 12	Jun 29								
3.1.2.4.2.1	PS Procure Manage	80d	3/12/01	6/29/01					Mar 12	Jun 29								
3.1.2.4.2.2	Purchase Power Supplies	80d	3/12/01	6/29/01					Mar 12	Jun 29								
3.1.2.4.2.3	2 PS Spares	80d	3/12/01	6/29/01					Mar 12	Jun 29								
3.1.2.5	Crates	140d	3/12/01	9/21/01					Mar 12	Sep 21								
3.1.2.5.1	Design Crate	50d	3/12/01	5/18/01					Mar 12	May 18								

WBS	Task Name	Duration	Start	Finish	1998		1999		2000		2001		2002		2003		2004	
					Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
3.1.2.5.2	Procure Crates	80d	5/21/01	9/7/01							May 21	Sep 7						
3.1.2.5.2.1	Crate Procure Manage	80d	5/21/01	9/7/01							May 21	Sep 7						
3.1.2.5.2.2	Purchase Crates	80d	5/21/01	9/7/01							May 21	Sep 7						
3.1.2.5.2.3	2 Crate Spares	80d	5/21/01	9/7/01							May 21	Sep 7						
3.1.2.5.3	Test Crates	10d	9/10/01	9/21/01							Sep 10	Sep 21						
3.1.2.6	Backplane	305d	7/2/01	9/16/02							Jul 2	Sep 16						
3.1.2.6.1	Design Backplane	90d	7/2/01	11/2/01							Jul 2	Nov 2						
3.1.2.6.2	Backplane Procure	200d	11/5/01	8/26/02							Nov 5	Aug 26						
3.1.2.6.2.1	Bkpl Procure Manage	200d	11/5/01	8/26/02							Nov 5	Aug 26						
3.1.2.6.2.2	Bkpl Parts (Connectors)	140d	11/5/01	6/3/02							Nov 5	Jun 3						
3.1.2.6.2.3	Bkpl Board	60d	3/12/02	6/3/02							Mar 12	Jun 3						
3.1.2.6.2.4	Bkpl Assembly	60d	6/4/02	8/26/02							Jun 4	Aug 26						
3.1.2.6.2.5	2 Bkpl Spares/Preprod	105d	4/2/02	8/26/02							Apr 2	Aug 26						
3.1.2.6.3	Test Bkpl	15d	8/27/02	9/16/02							Aug 27	Sep 16						
3.1.2.7	Clock & Control Card	310d	11/5/01	2/11/03							Nov 5	Feb 11						
3.1.2.7.1	Design CCC	90d	11/5/01	3/25/02							Nov 5	Mar 25						
3.1.2.7.2	CCC Procure	200d	3/26/02	1/14/03							Mar 26	Jan 14						
3.1.2.7.2.1	CCC Procure Manage	200d	3/26/02	1/14/03							Mar 26	Jan 14						
3.1.2.7.2.2	CCC Parts	140d	3/26/02	10/7/02							Mar 26	Oct 7						
3.1.2.7.2.3	CCC Board	60d	7/16/02	10/7/02							Jul 16	Oct 7						
3.1.2.7.2.4	CCC Assembly	60d	10/8/02	1/14/03							Oct 8	Jan 14						
3.1.2.7.2.5	2 CCC Spares/Preprod	105d	8/6/02	1/14/03							Aug 6	Jan 14						
3.1.2.7.3	Test CCC	20d	1/15/03	2/11/03							Jan 15	Feb 11						
3.1.2.8	Receiver Card	400d	3/26/02	10/21/03							Mar 26	Oct 21						
3.1.2.8.1	Design RC	100d	3/26/02	8/12/02							Mar 26	Aug 12						
3.1.2.8.2	RC Procure	220d	8/13/02	7/1/03							Aug 13	Jul 1						
3.1.2.8.2.1	RC Procure Manage	220d	8/13/02	7/1/03							Aug 13	Jul 1						
3.1.2.8.2.2	RC Parts	140d	8/13/02	3/11/03							Aug 13	Mar 11						
3.1.2.8.2.3	RC Board	100d	10/8/02	3/11/03							Oct 8	Mar 11						
3.1.2.8.2.4	RC Assembly	80d	3/12/03	7/1/03							Mar 12	Jul 1						

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					Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
3.1.2.8.2.5	16 RC Spares/Preprod	165d	10/29/02	7/1/03										Oct 29	Jul 1			
3.1.2.8.3	Test RC	100d	6/4/03	10/21/03											Jun 4	Oct 21		
3.1.2.9	Electron Identification Card	390d	8/13/02	3/11/04										Aug 13	Mar 11			
3.1.2.9.1	Design EIC	90d	8/13/02	12/16/02										Aug 13	Dec 16			
3.1.2.9.2	EIC Procure	220d	12/17/02	11/4/03										Dec 17	Nov 4			
3.1.2.9.2.1	EIC Procure Manage	220d	12/17/02	11/4/03										Dec 17	Nov 4			
3.1.2.9.2.2	EIC Parts	140d	12/17/02	7/15/03										Dec 17	Jul 15			
3.1.2.9.2.3	EIC Board	80d	3/26/03	7/15/03										Mar 26	Jul 15			
3.1.2.9.2.4	EIC Assembly	80d	7/16/03	11/4/03										Jul 16	Nov 4			
3.1.2.9.2.5	16 EIC Spares/Preprod	145d	4/16/03	11/4/03										Apr 16	Nov 4			
3.1.2.9.3	Test EIC	90d	10/22/03	3/11/04											Oct 22	Mar 11		
3.1.2.10	Jet Summary Card	320d	12/17/02	4/8/04										Dec 17	Apr 8			
3.1.2.10.1	Design JSC	90d	12/17/02	5/6/03										Dec 17	May 6			
3.1.2.10.2	JSC Procure	200d	5/7/03	2/26/04										May 7	Feb 26			
3.1.2.10.2.1	JSC Procure Manage	200d	5/7/03	2/26/04										May 7	Feb 26			
3.1.2.10.2.2	JSC Parts	140d	5/7/03	11/18/03										May 7	Nov 18			
3.1.2.10.2.3	JSC Board	60d	8/27/03	11/18/03										Aug 27	Nov 18			
3.1.2.10.2.4	JSC Assembly	60d	11/19/03	2/26/04										Nov 19	Feb 26			
3.1.2.10.2.5	2 JSC Spares/Preprod	105d	9/17/03	2/26/04										Sep 17	Feb 26			
3.1.2.10.3	Test JSC	20d	3/12/04	4/8/04											Mar 12	Apr 8		
3.1.2.11	Cables	100d	9/24/03	2/26/04											Sep 24	Feb 26		
3.1.2.12	DAQ Processor	100d	3/26/02	8/12/02									Mar 26	Aug 12				
3.1.2.13	Crate Monitor Card	100d	3/26/02	8/12/02									Mar 26	Aug 12				
3.1.2.13.1	CMC Procure	100d	3/26/02	8/12/02									Mar 26	Aug 12				
3.1.2.13.2	2 CMC Spares	100d	3/26/02	8/12/02									Mar 26	Aug 12				
3.1.2.14	Trigger Tests	355d	5/7/03	9/30/04										May 7	Feb 26			
3.1.2.14.1	Trigger Subsystem Tests	200d	5/7/03	2/26/04										May 7	Feb 26			
3.1.2.14.2	Trigger System Installation	155d	2/27/04	9/30/04											Feb 27	Jun 1		
3.1.2.14.2.1	Shipping	75d	2/27/04	6/10/04											Feb 27	Jun 1		
3.1.2.14.2.2	Remote Site Commission	155d	2/27/04	9/30/04											Feb 27			

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					Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr	Oct	Apr
3.1.2.14.2.3	Installation	125d	4/9/04	9/30/04														Apr 9
3.1.2.15	Trigger Project Management	1750d	10/1/97	9/30/04	[Red bar]													
3.1.2.15.1	Tracking & Reporting	1750d	10/1/97	9/30/04	[Blue bar]													
3.1.3	Physicist Activity	1750d	10/1/97	9/30/04	[Red bar]													
3.1.3.1	Muon Trigger	1750d	10/1/97	9/30/04	[Red bar]													
3.1.3.1.1	Simulation	400d	10/1/97	5/13/99	[Blue bar] May 13													
3.1.3.1.2	Software Development	650d	5/14/99	12/7/01	[Blue bar] May 14 Dec 7													
3.1.3.1.3	Testing	400d	12/10/01	7/22/03	[Blue bar] Dec 10 Jul 22													
3.1.3.1.4	Commissioning	300d	7/23/03	9/30/04	[Blue bar] Jul 23													
3.1.3.1.4	Management	1750d	10/1/97	9/30/04	[Blue bar]													
3.1.3.2	Calorimeter Trigger	1750d	10/1/97	9/30/04	[Red bar]													
3.1.3.2.1	Simulation	400d	10/1/97	5/13/99	[Blue bar] May 13													
3.1.3.2.2	Software Development	650d	5/14/99	12/7/01	[Blue bar] May 14 Dec 7													
3.1.3.2.3	Testing	400d	12/10/01	7/22/03	[Blue bar] Dec 10 Jul 22													
3.1.3.2.4	Commissioning	300d	7/23/03	9/30/04	[Blue bar] Jul 23													
3.1.3.2.4	Management	1750d	10/1/97	9/30/04	[Blue bar]													