Status of GAUDI Framework

16 March 1999

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Release v2 planning

ID	Task Name	February				March				April					May
		1/2	8/2	15/2	22/2	1/3	8/3	15/3	22/3	29/3	5/4	12/4	19/4	26/4	3/5
15	**Development Release 2**														
16	**Bug Fixes of Release 1**														
21	**Enhancements**														
44	**Detector Description**														
48	**Writable Storage**														
53	**User Interface and Visualization**														
60	**Libraries**														
63	**Software Development Environment**														
67	Release notes & Doc update														
68	Release v2														30/4

Release v2 details(1)

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16	**Bug Fixes of Release 1**														
17	Crash when accessing MC Rich hits		PB												
18	Data service full path					MF									
19	RFIO for NT					FR									
20	Detector Geometry wrapper					MF									
21	**Enhancements**														
22	Fortran Algorithm in GAUDI			IL											
23	Write back to Zebra store							MF							
24	Changes in Algorithm class					PMy									
25	Extensions of Event data path (numbe					MF									
26	New Event Data converters				PB,GG										
27	Data service pre-load capability					MF									
28	Particle info service			IL											
29	**Message Service**														
32	**Histograms**														
36	**Selectors**														
40	**Documentation**														

Release v2 details(2)

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44	**Detector Description**														
45	Collect requirements			RC											
46	Design Model					PB,PMy,PM,RC									
47	Implementation									RC					
48	**Writable Storage**														
49	**Using ROOT files**														
50	Design Model			MF,PM											
51	Get RIO software		MF,GB												
52	Integrate inside GAUDI					MF									
53	**User Interface and Visualization**														
54	**Using Wired/Jas**														
56	**Using Open Scientist**														
58	**Using Root**														
60	**Libraries**														
61	Numerical Libraries														
62	Minimization Libraries														
63	**Software Development Environment**														
64	Bug tracking tool					MC									
65	CMT deployment		FR												
66	Code Management (branches)														

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Changes on the software development environment

- **CVS**
  - Source code management system: UNIX and NT.
  - We are using a single CVS repository in AFS for UNIX and NT.
  - Visual SourceSafe no longer the master copy for Gaudi code.

- **CMT:**
  - Configuration Management Tool: UNIX.
  - All GAUDI packages under CMT
 - Instructions available in the Web

Code Management
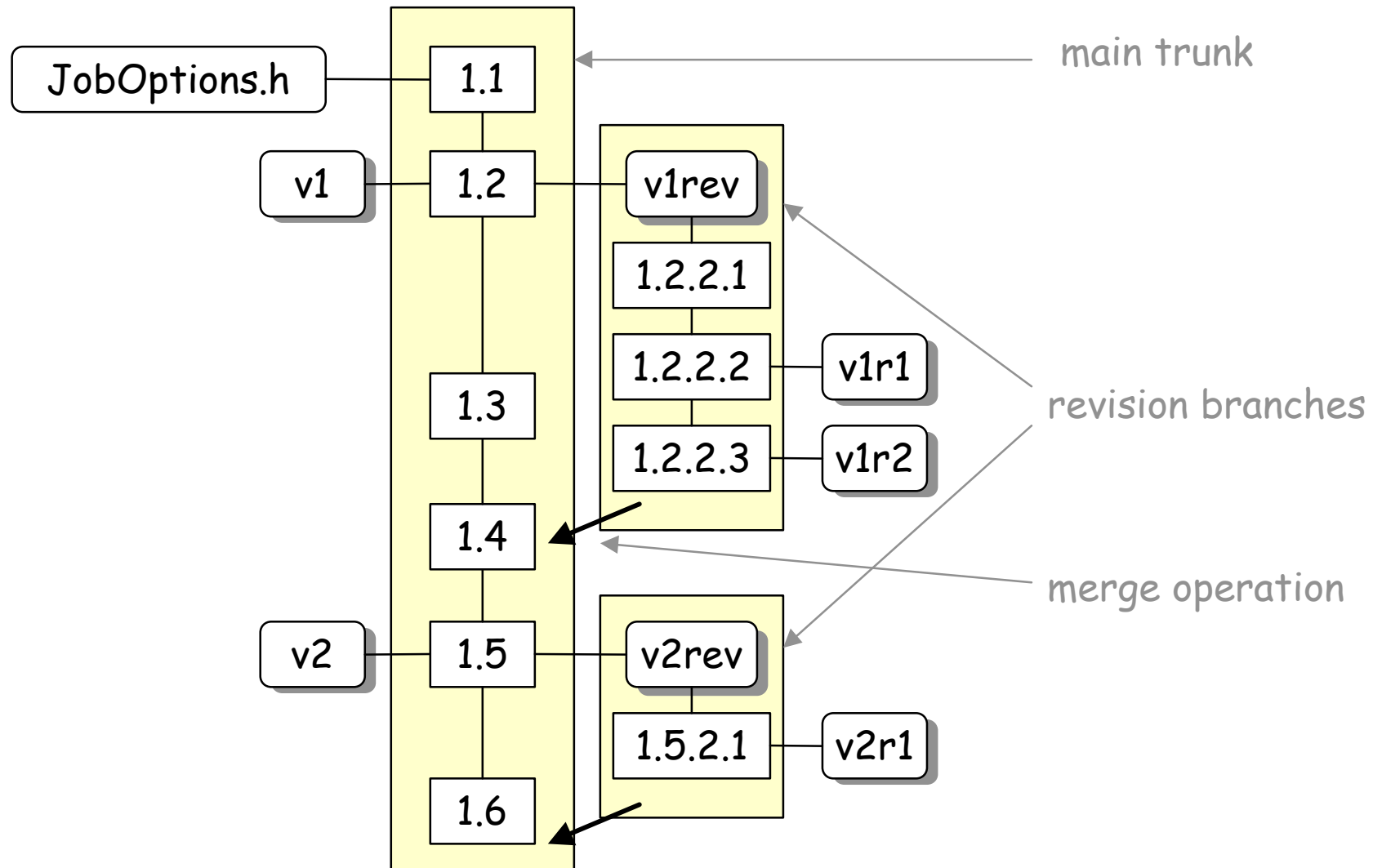
Detector Description

◆ **Requirement document being written**

– Scope definition.

– Collect use cases by interviewing end-users.

– Understanding existing solutions (G4, Alice, Babar,…)

◆ **Designing a model**

– A detector independent model will be designed inspired by exiting solutions and versioning systems like CVS.

◆ **Implementation within GAUDI**

Detector Description
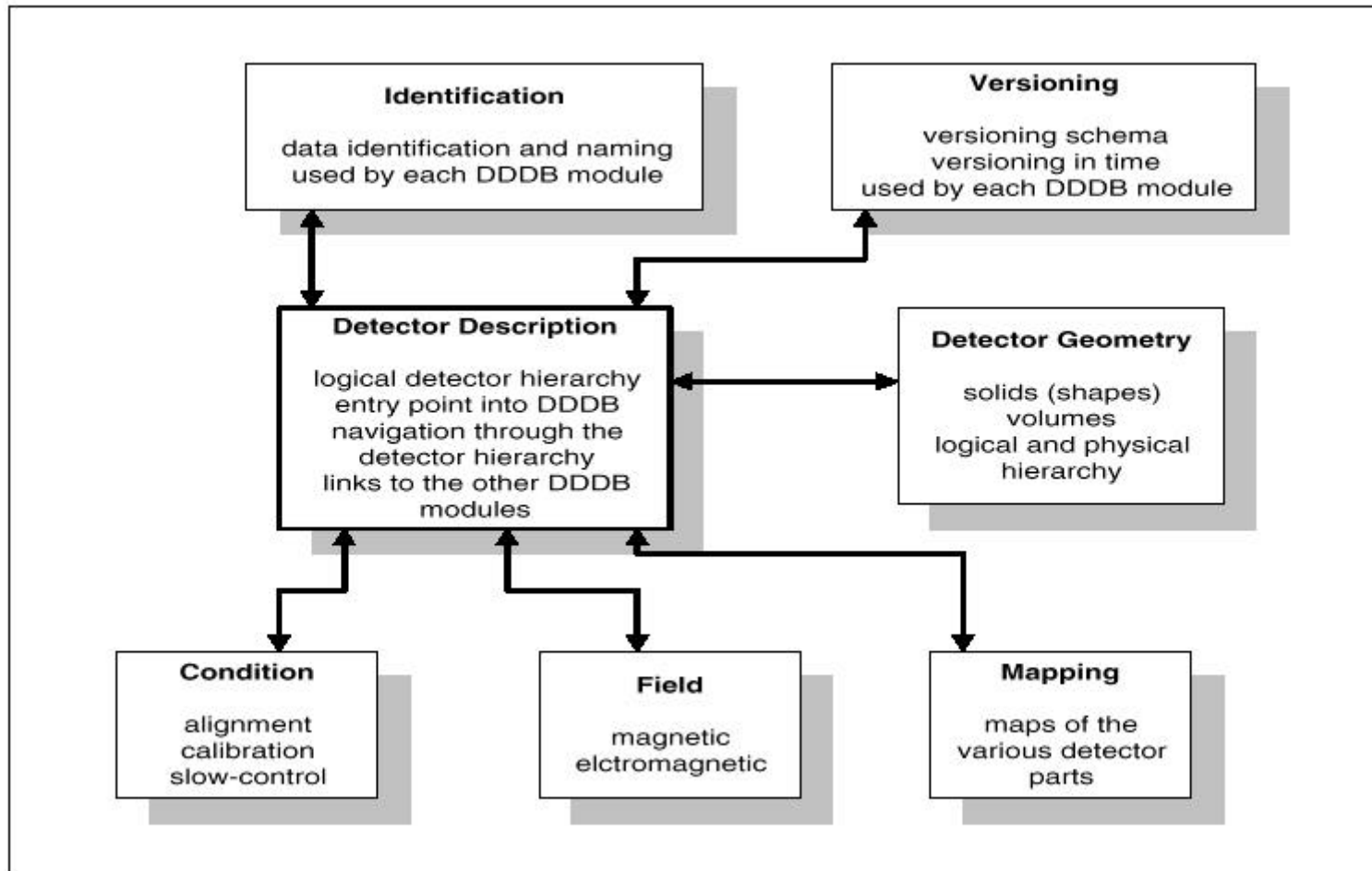
Writable storage

◆ **Implementation based on Rio (Root I/O)**

– Problems with the first version (crashes) of Rio.

– Need to add Trees and Branches to fully exploit the goodies of Root.

◆ **Status**

– Work is well advanced

– Prototype exists