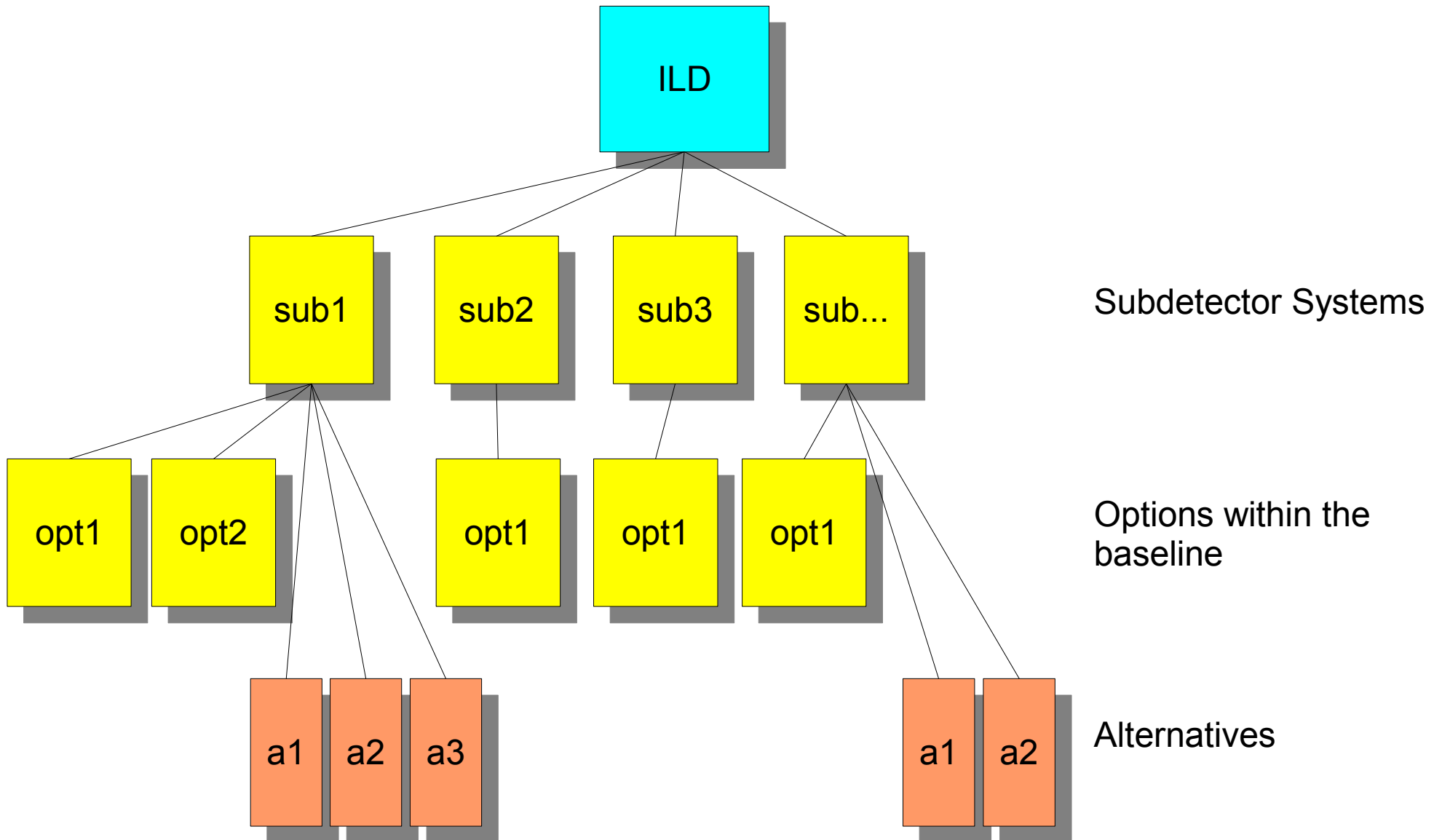


Timelines

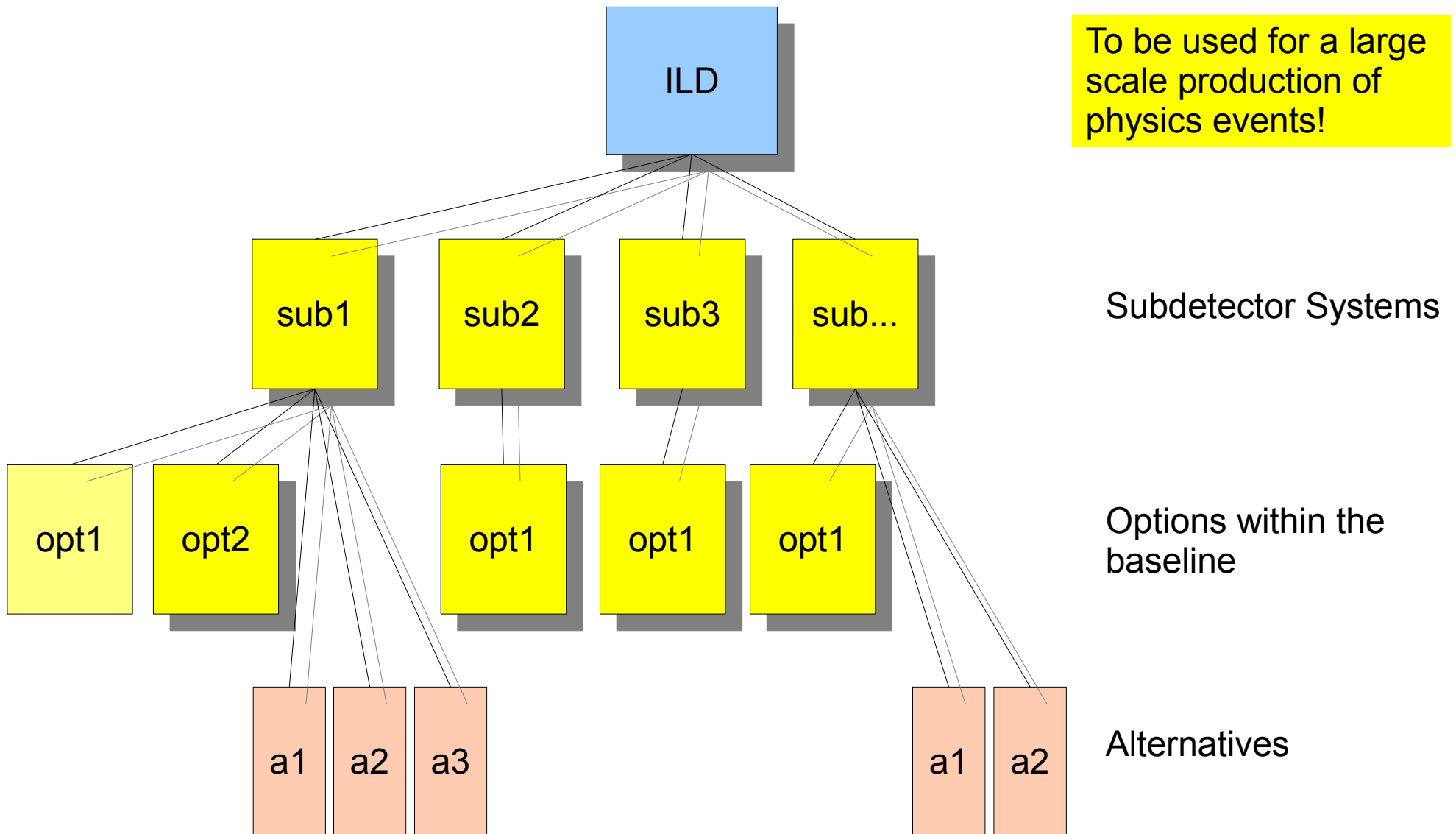
External constraints:

- Feb 2010: report by RD to ILCSC on planning:
outline of a workplan is required
- Oct 2010 (ECFA in Geneva): interim review by IDAG
- End 2010: RD report to ILCSC
- End of 2012: deliver DBD

ILD baseline



ILD: simulation baseline



Software driven schedule

5 month	Analysis and Writing	13 month
t0 - 5m	Monte Carlo production finished	
5 month	Grid Production	
t0 - 10m	start Monte Carlo production	
3 month	Test, Debug and release ILDsoft	
t0-13m	freeze ILDsoft development	
>1 month	implement baseline in simulation	~20 month
t0-x	ILD baseline defined	
	evaluate technology options develop tracking package develop geometry LCIOv2 improve simulation realism improve reconstruction study machine backgrounds	

December 2012



November 2011

Define simulation baseline (need subdetector drivers!)

Summer 2010

Date to define the simulation baseline: September 2011?

Technology driven timeline

	10				11				12			
Fix options											x	
R&D												
Simulation												
testbeams												



R&D collaborations present their
proposed baseline, discussion and decision
In ILD starts

Goal: try to use as much as possible results from ongoing R&D before
deciding on a technology baseline.

R&D does not stop with the DBD

Open for discussion

Include Alternatives

Proposal for a report to RD

Goal: develop a realistic model of ILD with sufficient detail to

- Include only technologies which are considered “ready”
- Have develop a integration plan which is realistic
- Present a plan to integrate the detector with the machine, including push-pull
- Have demonstrated the anticipated physics performance based on a realistic model and including backgrounds, up to 1TeV

ILD in addition will include a list of alternatives for the subdetectors which are not “ready”, but which are considered promising to pursue and further develop.

Major Milestones

Winter 2010: start the process to fix the simulation baseline

Fall 2011: fix simulation baseline, start production process (this includes the overall size and real estate!!)

Spring 2012: finish subdetector internal technology comparison, start ILD evaluation

Summer 2012: define ILD options and alternatives

Remarks:

- We need enough time to do a proper job of simulating “physics” events
- We need to push the decision on options as far back as possible, independent of simulation