



SiD Design Goals and Plans for Snowmass

SiD @ Snowmass

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Original concept for SiD from M.Breidenbach and J.Brau (2003)

Official start of ILC detector concepts at ALCPG04, Victoria

First SiD kick-off meeting with interested parties

Critical SiD Questions document (still valid)

Kick off meetings at ECFA & ACFA meetings Fall '04

Put SiD organization in place in Fall & Winter; form some subgroups and start work in those: CAL/PFA, tracker layout & design with work starting quickly.

Followed by: solenoid feasibility, vertex , benchmarking

Critical area for all development & progress in SiD with a lot of development and work done is simulation.

Cont'd



Critical area for all development & progress in SiD with a **lot** of development and work done is simulation.

SiD now has a simulation of the baseline detector

First version: SI DMAY05 and now the latest SI DAUG05

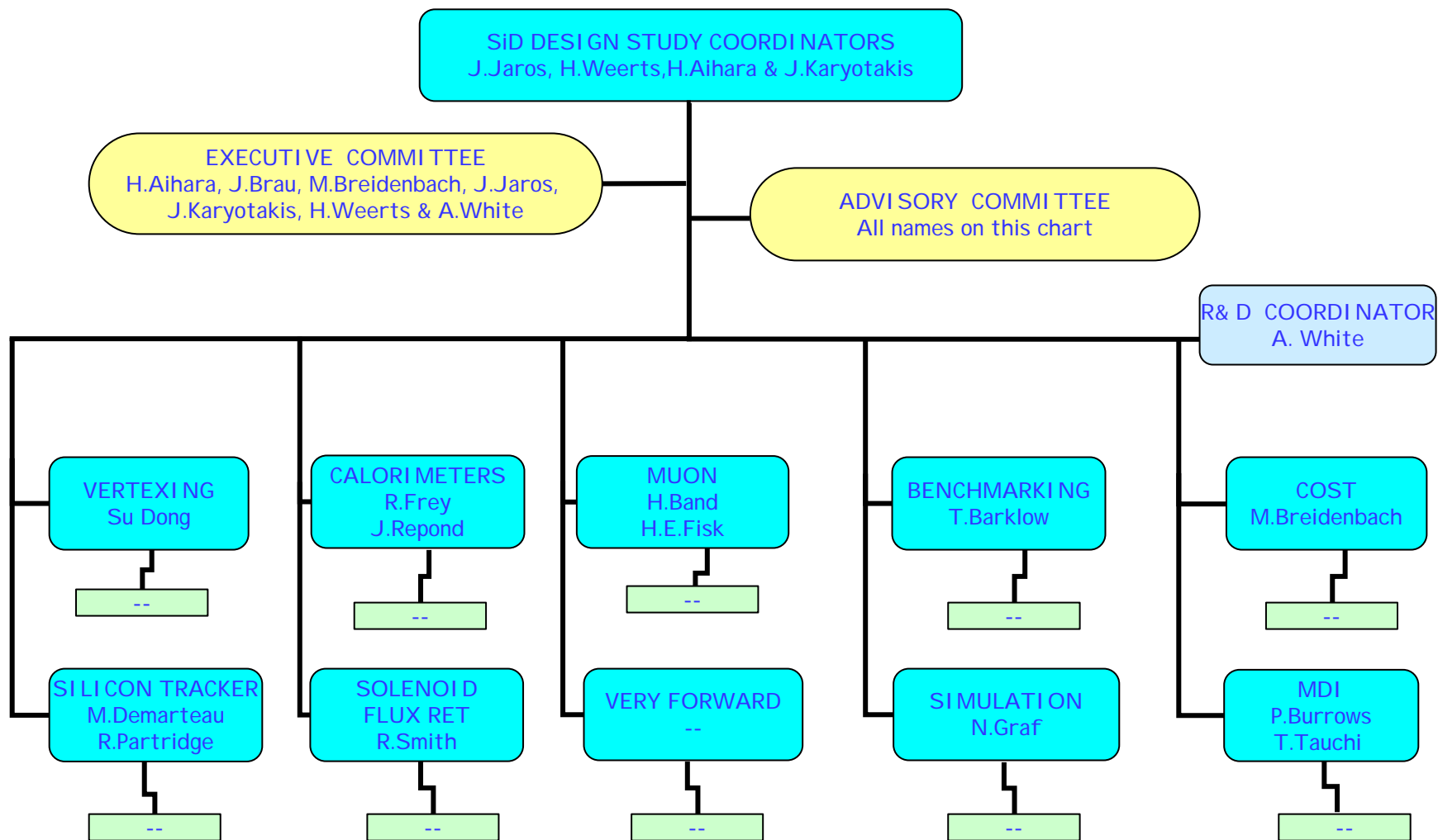
Description is at:

<http://confluence.slac.stanford.edu/display/ilc/sidmay05?showAttachments=true#attachments>

R&D needs of SiD is another crucial area

MDI subgroup has started with first answers MDI questions

Muon group was formed just before this workshop





Over the last year we have had many phone meetings which were all more or less driven by subgroups.

Had one afternoon meeting at LCWS05 (see SiD Web page)

Snowmass 2005 is first occasion for people interested to participate in SiD to actually spend some time together and work on SiD.

This is an important step for SiD and we think this may be the first in a series of SiD design study (...) meetings



Plans vary for different subgroups and we will hear in next talks about this

General theme: simulation and study of the baseline detector and possibly variations of that baseline, but this is rather group dependent

Agenda for SiD plenary and subgroup meetings is on the workshop Web site and will be updated daily.



Tuesday, Aug 16: **SiD plenary & working groups**

W'day, Aug 17: **SiD working group meetings**

Thursday, Aug 18 – Tuesday, Aug 23: **no official SiD meetings**

There are many other interesting meetings/activities during this time, BUT this is the only real “workshop” time to work on SiD. Plan to take advantage of it.

W'day, Aug 24: **SiD working group meetings**

Thursday, Aug 25: **SiD plenary & group summaries
prepare summary talk**

Friday, Aug 16 & Saturday Aug 27: **Workshop Summaries**



Website:

<http://www-sid.slac.stanford.edu/>

With most links: working groups, agendas, meetings, baseline detector drawings, etc.

Not the most modern, latest technology & sexiest WEB site, but it has the information

Baseline description as in simulation:

<http://confluence.slac.stanford.edu/display/ilc/sidmay05?showAttachments=true#attachments>

After Snowmass

Part of the Snowmass discussions, but here is some information for those discussions:

- Hopefully Snowmass is the start of many activities to be continued
- Subgroups should plan on producing a write-up of work done at Snowmass
- These write-ups or a more general Sid Snowmass summary may be the first draft for the Sid outline to be ready for LCWS06 in March 2006

With that wish us a successful workshop