ILC Software Workshop

Some technical remarks:

Talks (pdf version or ppt) will be stored using the CDS agenda system
You can store them yourself using the modify key "**ilc-soft**"

Wireless LAN should be available in the meeting room - hopefully

Monday all day and Tuesday morning we are in Sem room 2
Tuesday afternoon we have to move to Sem romm 7a (Building 7)

If you like to come to dinner tonight, let us know and pay
     EUR 14 (EUR 10 for students) as soon as possible

Purpose of this meeting

Where are we?

Review the state of the software systems available
simulation: MOKKA
frameworks: MARLIN, ...
software: Tracking, clustering, particle flow ...
users: CALICE

Where do we go from here?

Are we making progress?
Is the direction correct?
Feedback from users, ...

The System

The current baseline:

Most code based on C++

MOKKA is the central simulation tool (though BRAHMS is still available as reference)

MARLIN is the base for reconstruction and (some) analysis.

All code is "based" on LCIO as persistent and transient data model

Core packages: Try as much as possible to keep open the door for JAVA and the application of JAVA packages and code

But technically this is not easy and not fully solved

Try to collaborate as much as possible with US and Asian studies to minimise our own resource needs (only success so far in this direction: LCIO)

The Goal

Have for SNOWMASS

a "complete" simulation and reconstruction chain in place for SNOWMASS

Update the workshop DVD to include as complete a software package as possible.

To achieve this goal:

Freeze functionality development for the DVD:	July 4
Final freezing of code	Aug 1
Freeze interfacing, of packages	Aug 7
Freeze DVD	Aug 10

We need enough time to ensure proper working "in concert"