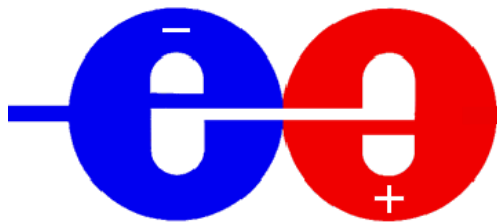


How do we propose to organise the Global LC Experimental Programme?

Preparation of a response to the ILCSC/ICFA request
(as reported in Jim Brau's charge on Monday)



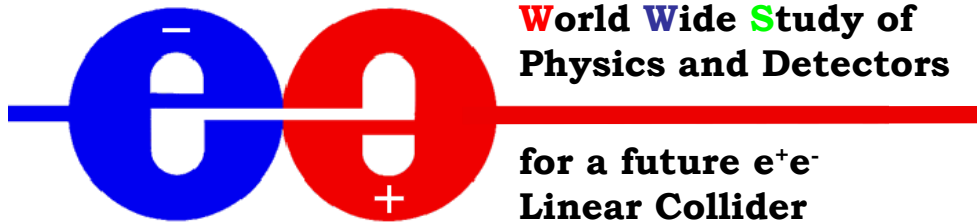
**World Wide Study of
Physics and Detectors**

**for a future e^+e^-
Linear Collider**

At their February meetings, ILCSC and ICFA asked us to propose, in parallel with the Global Design Initiative for the LC machine, an *organisation* which will do three separate jobs:

- 1. Ensure that at least two different detector concepts are developed; by worldwide teams which will:**
 - prepare CDR(s) on concepts, by ~2006;**
 - *be ready to form the cores of the collaborations** when funding is in place and bids are called for.**
- 2. Encourage and coordinate inter-regional R&D on essential detector technologies, and give peer-reviewed recognition to nationally funded R&D programmes as part of the worldwide project.**
- 3. Make sure that vital questions of machine-detector interface and beamline instrumentation are as fully supported as accelerator and detector R&D. This will involve close links with the GDI.**

• *slightly edited from Monday's ungrammatical version.



The **WWS organising committee will reply to the ILCSC meeting at ICHEP Beijing in August. Proposal to be finalised at ALCPG Victoria workshop, end July.**

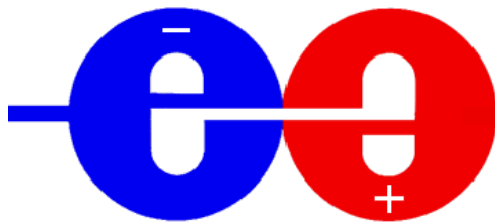
Points so far:

Detector and MDI R&D is underfunded; so many essential tests can not be done yet.

But we must give cost and performance input at each stage of the GDI accelerator roadmap to show that the experiments can do the physics.

The community will grow and R&D accelerate when more funding appears. We must encourage new ideas and new entrants.

>1 overall detector concept is needed.



World Wide Study of
Physics and Detectors

for a future e^+e^-
Linear Collider

We propose to tie detector milestones to the Global LC Design Initiative.

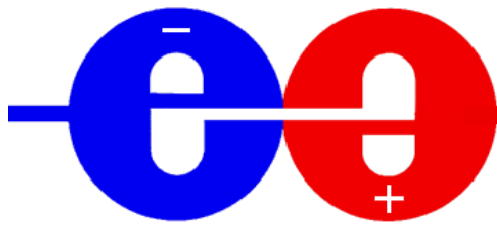
GDI Milestones

2004	Technology choice. Global Design Effort MOUs
2005	Accelerator CDR
2007	Accelerator TDR
2008	Site selection

Proposed Detector Milestones

- A. Costing of >1 whole-detector concepts (single joint document with performance estimates for each concept, + reference to R&D done and still needed)
- B. Receive Letters of Intent (or "CDRs"?) for experiments (maybe different set of concepts from A, above, as new ideas come with new people)
- C. Global Lab immediately invites ~2 TDRs on basis of Letters of Intent. TDRs to be presented within 1 year.

~2009 Construction begins



World Wide Study of
Physics and Detectors

for a future e^+e^-
Linear Collider

What structures should we propose to meet these milestones?

1. Cost estimate in 2005. *Must get going soon!*
Who triggers teams to work on detector concepts?
Expect that Editorial Board would peer review or edit the contribution from each concept to make sure it is realistic.
2. How do we support new detector and MDI R&D, as requested?
Some projects already recognised by regional peer review panels.
Do we need a worldwide panel, with ILCSC/ICFA support,
to advise national funding agencies which projects are worthwhile?
Will ICFA find funding to pay its expenses?
3. Who will call for the Letters of Intent?

We need your suggestions now, or within the next few weeks.