L C W S 2004

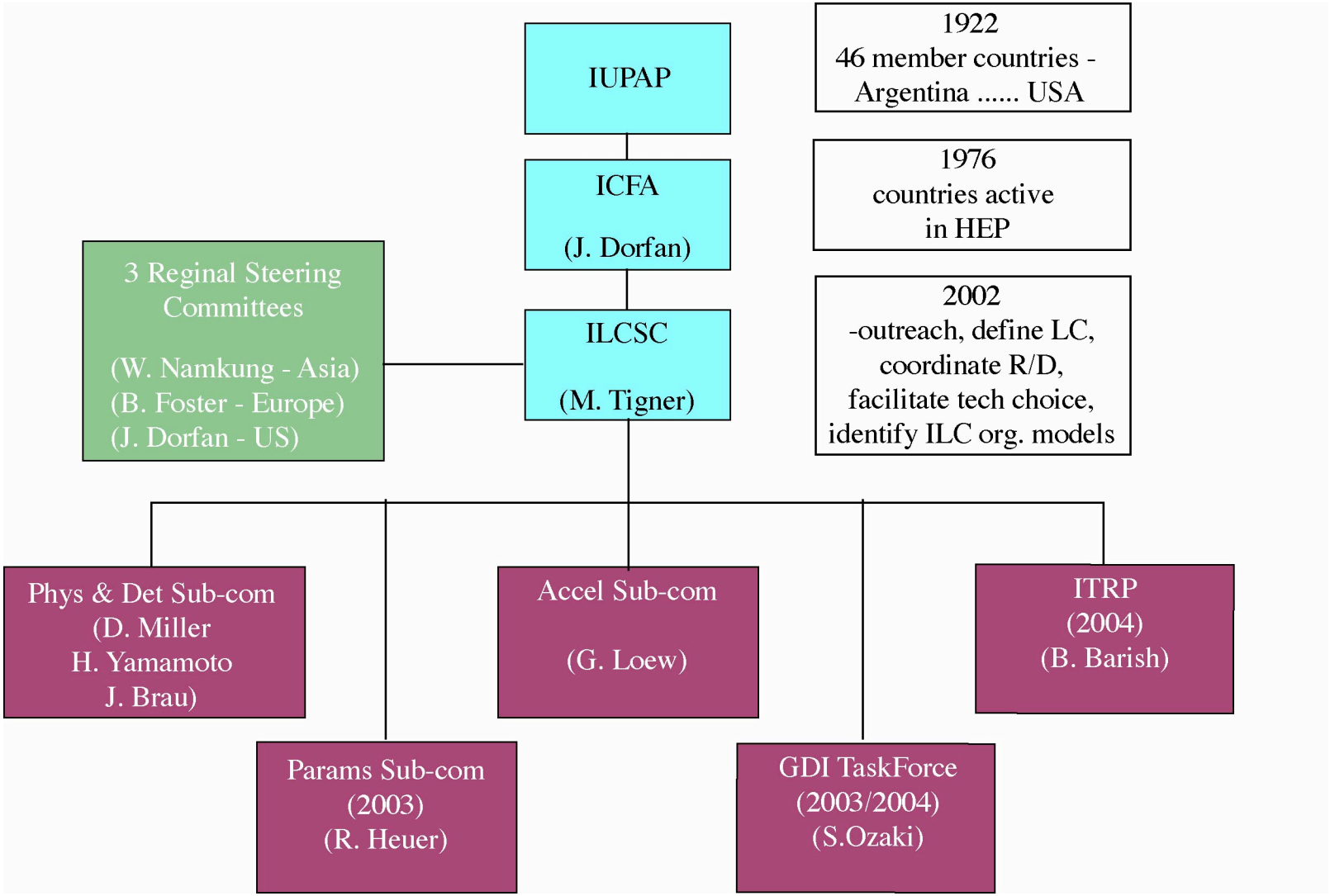
Paris, April 19

From the International Linear Collider Steering Committee ILCSC

- Membership
- Community Setting
- Committee Activities
- Coming Events

Members: R. Aymar, H. Chen, J. Dorfan, B. Foster, C. Garcia Canal, P. Grannis, S. Komamiya, D. Miller, W. Namkung, A. Skrinsky, M. Tigner (Chair), Y. Totsuka, A. Wagner, M. Witherell

Community Setting



Committee Activities

- Physics and Detector Sub-committee keeps ILCSC abreast of detector R/D status, need for and status of test beams….. more at http://www.fnal.gov/directorate/icfa/International_ILCSC.html

- Parameters Sub-committee submitted their report and it was accepted Nov. 19 2003. Very much in line with those adopted by the regional steering groups earlier. A sample

2. Baseline Machine

The maximum centre-of-mass energy should be 500 GeV. The machine should allow for an energy range for physics between 200 GeV and 500 GeV, with operation at any energy value as dictated by the physics (e.g. at the maximum of the Higgs production cross section).

Luminosity and reliability of the machine should allow the collection of approximately *L*eq = 500 fb-1 in the first four years of running, not counting year zero which is assumed to mainly serve for machine commissioning and short pilot physics run(s).
The collider has to allow for energy scans at all centre-of-mass energy values between 200 GeV and 500 GeV. The time needed for the change of energy values should not exceed about 10% of the actual data-taking time. Therefore, the down-time for switching between energy values should not exceed a few shifts within a particular scan, and should not take more than a few weeks when changing between different energy scans.

See details at
http://www.fnal.gov/directorate/icfa/LC_parameters.pdf

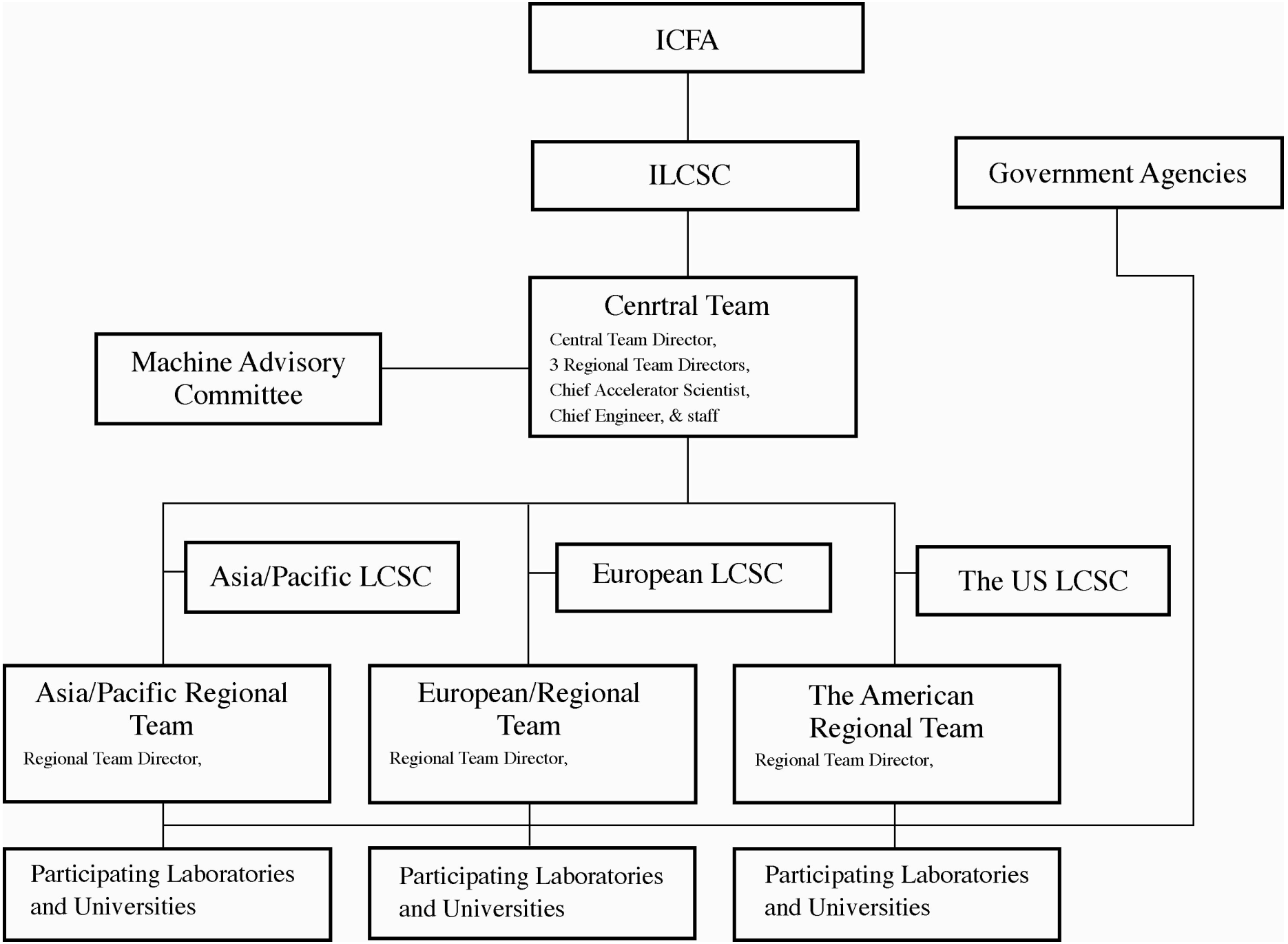
- Accelerator Sub-committee (largely former members of the ICFA TRC) giving technical input when requested by the International Technology Recommendation Panel (ITRP)

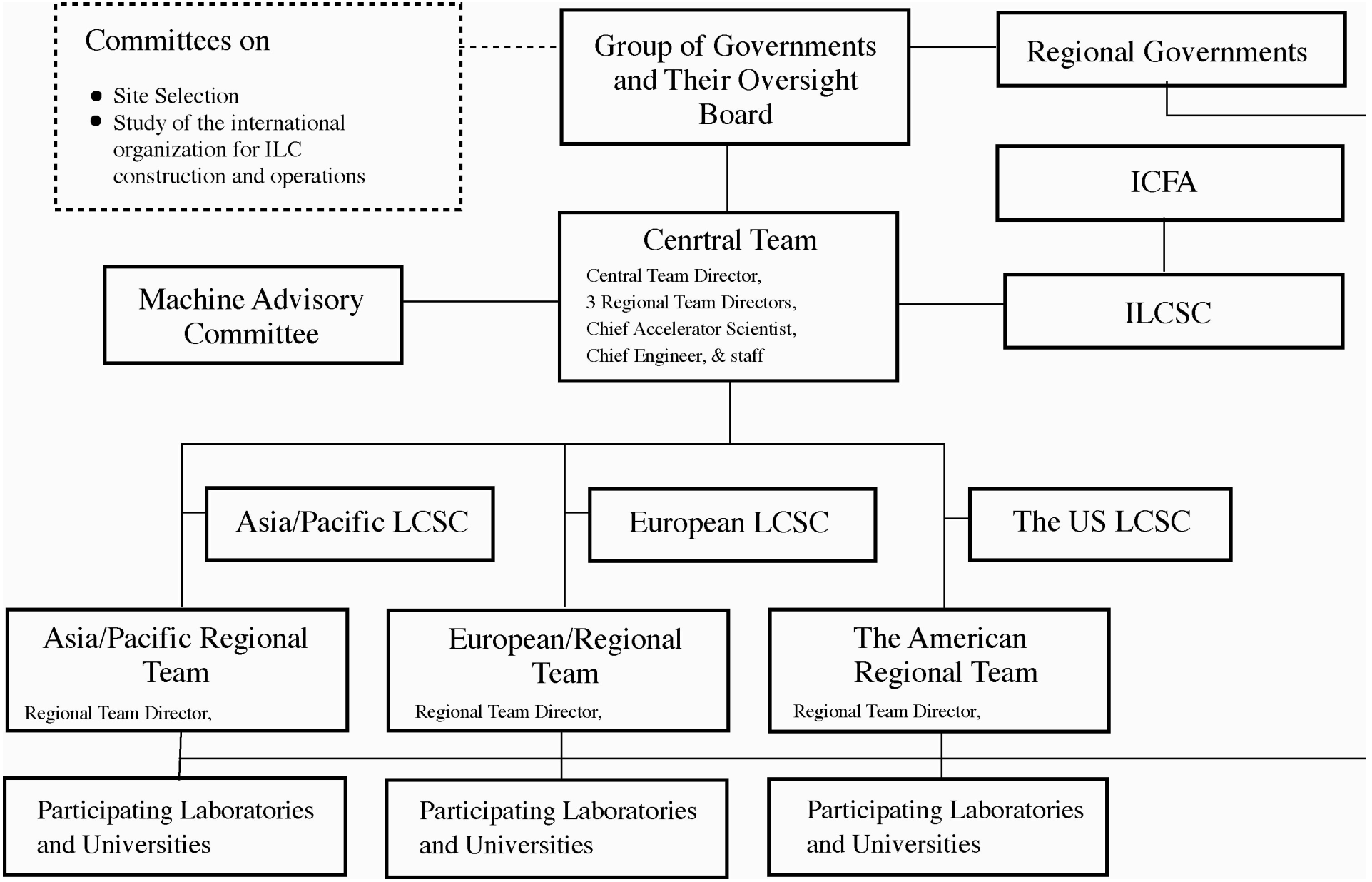
- Global Design Initiative, GDI, Task Force charged with outlining a procedure for turning the recommendation of the ITRP into a truly global facility design and cost estimate and plan for a pre-construction proposal R&D campaign.
  - √ Its guiding visions:
    - √√ Work to be centrally coordinated but accomplished in the regions in existing centers and industry, supported initially with existing resources
    - √√ Initial leadership and management arrangements among the regional performers, overseen by the ILCSC, will morph eventually – it is hoped – into a global organization governed by a council of world science agencies
  - √ The report of the GDI TF can be found at

http://www.fnal.gov/directorate/icfa/

√ Membership of the TF: J. Dorfan, B. Foster, W. Namkung, S. Ozaki (chair), Y. Totsuka, A. Wagner

√ Their suggestion for the earlier and later forms of global collaboration in creating the LC facility are shown in the following block diagrams


ICFA
ILCSC
Government Agencies
Cenrtral Team
Central Team Director,
3 Regional Team Directors,
Chief Accelerator Scientist,
Chief Engineer, & staff
Machine Advisory Committee
Asia/Pacific LCSC
European LCSC
The US LCSC
Asia/Pacific Regional Team
Regional Team Director,
European/Regional Team
Regional Team Director,
The American Regional Team
Regional Team Director,
Participating Laboratories and Universities
Participating Laboratories and Universities
Participating Laboratories and Universities


Committees on
Site Selection
Study of the international organization for ILC construction and operations
Group of Governments and Their Oversight Board
Regional Governments
ICFA
Cenrtral Team
Central Team Director,
3 Regional Team Directors,
Chief Accelerator Scientist,
Chief Engineer, & staff
Machine Advisory Committee
ILCSC
Asia/Pacific LCSC
European LCSC
The US LCSC
Asia/Pacific Regional Team
Regional Team Director,
European/Regional Team
Regional Team Director,
The American Regional Team
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Participating Laboratories and Universities
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- The ITRP has so far held two meetings. You will hear from the Chair tomorrow.

Coming Events

In anticipation of a Technology Recommendation this calendar year, the ILCSC is beginning other important processes that will proceed from that recommendation:

- √ Find a director for the Central (Management) Team
- √ Find a host for the CMT
- √ Enable the creation of umbrella MOUs among the LC design and R&D performers consistent with world funding agency constraints.

We hope that global design work can begin in early 2005