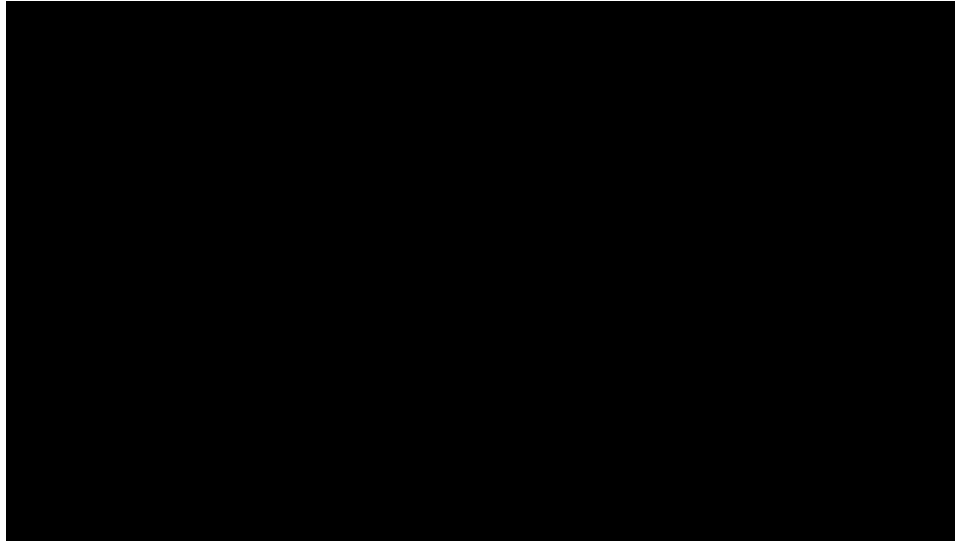


ILD meeting at LCWS2014

Ties Behnke, Yasuhiro Sugimoto

Belgrade, 8.10.2014

#Mylinearcollider



Please be a part of the video campaign to support the ILC:

Come see the communicators Thursday, Crown plaza, room VIP2 to make a recording

- your Name your Institution
- Why you think the ILC is a good machine / what you find exciting about the ILC

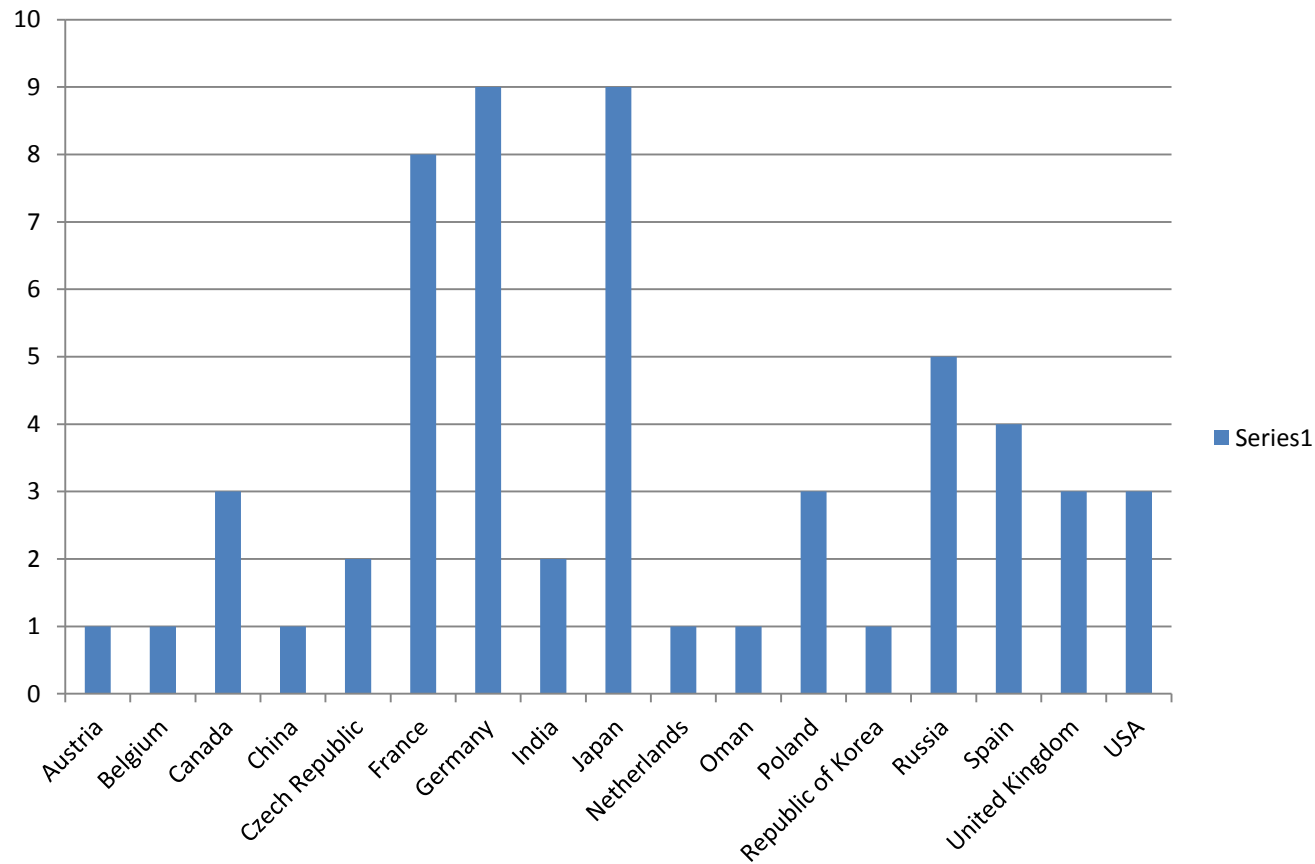
ILD meeting@Oshu

85 registered
participants
from 32
institutes



ILD Members

Current ILD member-list: grown to 57 institutes



Organisation

- Proposal made at Oshu on preliminary rules and regulations: accepted by IA by remote vote
- Call for candidates for the IA chair: received some 10 nominations.
- Four people agreed to stand for election
- First round of the election finished (34 votes received: quorum has been met)
- Second round will be done between places 1 and 2, since no absolute majority for one of the candidates was found

Lessons Learned



Review by Marcel Demarteau at the Oshu meeting

- Silicon tracking: justification/ optimization
- TPC tracking: why a TPC?
- Forward region
- Calo: Cost- performance optimization
- Yoke: optimization

We need to sharpen our arguments.

We need to make sure that we can demonstrate the physics justification
(see Jennys presentation on proposed physics benchmarks)

ILD optimization

Issue 1:

Re-optimize the overall layout:

- Size
- Granularity
- Resolutions etc.

Issue 2:

Move towards decision on central layout issues (independent of size)

- Silicon system layout
- Geometry of the calorimeter (Videau vs TESLA, other questions)
- Forward region layout

Issue 3:

Move towards defining a methodology to eventually make a technology decision

- Agree on a work plan
- Agree on questions asked

Concrete Steps

TPC: organise an internal review/ discussion to make the arguments for the TPC, then prepare a concise writeup on that.

Si tracking: review the choices of the overall system, including SET, and decide a new baseline.

Calorimeter: intense discussion is ongoing, need to discuss how to converge to a decision

Forward: tightly coupled to L^* issue (see next slide)

Yoke: depends critically on the overall integration discussions on things like stray field etc.

ILD on change requests

L^* : Distance between end of last magnet and IP

- ILD supports the move to a common value
- A length $\geq 4\text{m}$ can be adopted within the current ILD scheme
- Anything smaller will require significant work

Vertical access shaft:

- ILD is supporting this without any conditions.

ILD in 2015

ILD schedule will depend on overall planning by LCC (which is not yet known)

We should have a dedicated meeting in the summer

(which however could be synchronised with other meeting schedules)

This meeting

1. Yasuhiro: Survey of ILD resource needs
2. Frank: Simulation Software plans and options
3. Jenny: Proposals for optimization benchmarks