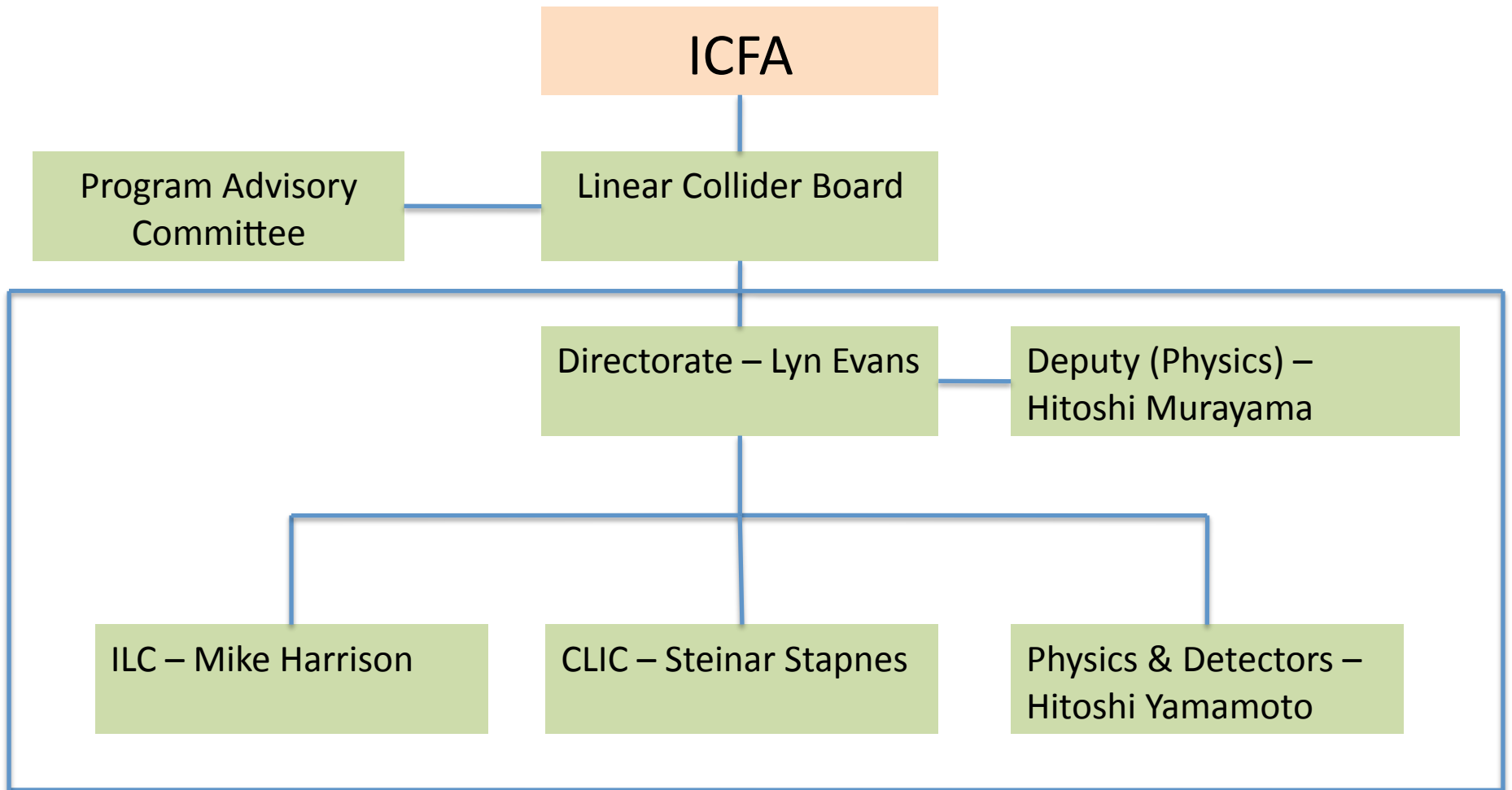


Moving the LC Forward – status update

Mike Harrison, SiD Workshop

- Linear Collider Collaboration (LCC)
- Japan
- US

The LCC Organisation



The LCC will start to operate after the Board meeting on February 21/22

The GDE will close-out TDR related business – formal end in June

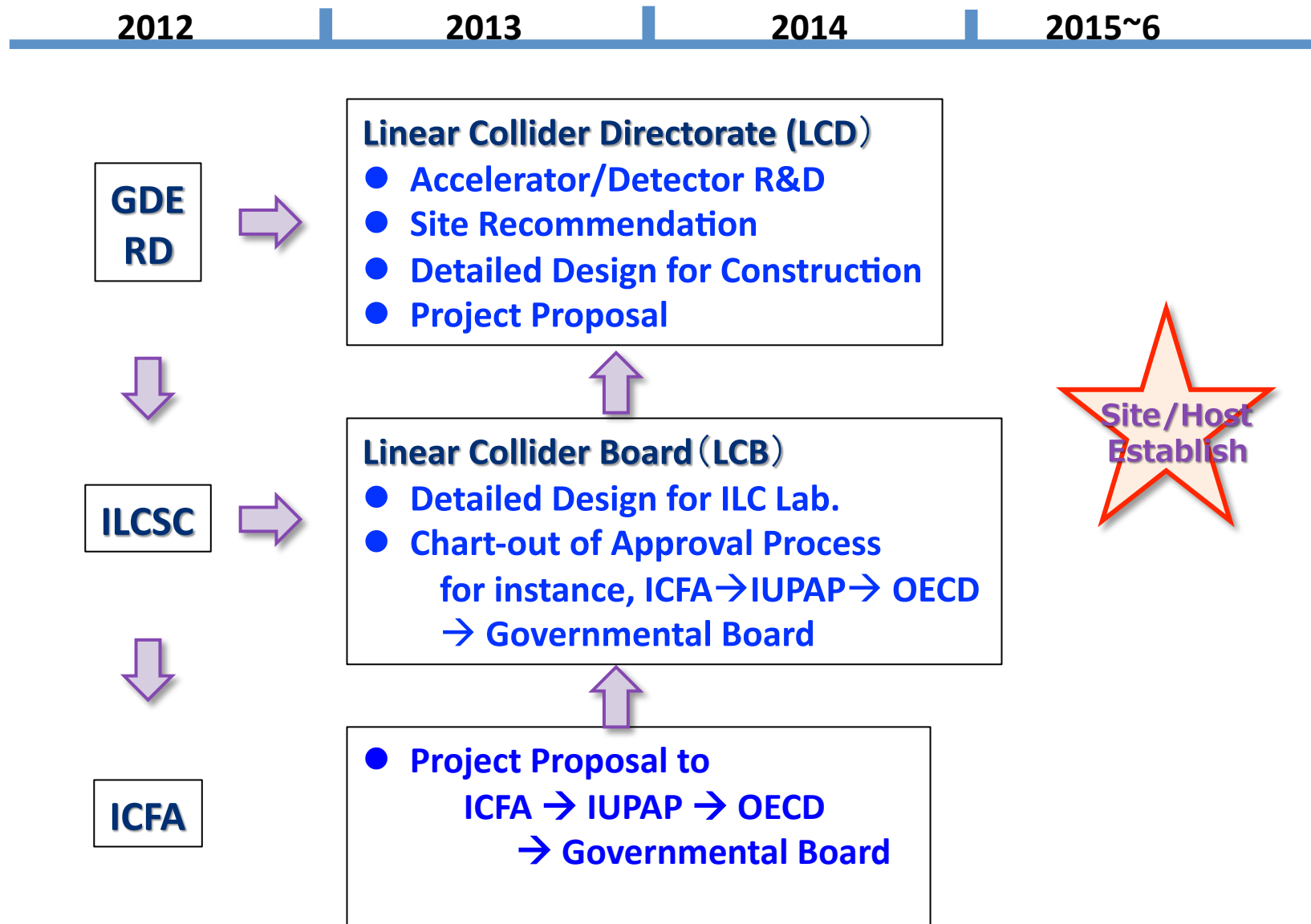
The LCB – First meeting Feb 21st 2013

- Chair
 - Sachio Komamiya (University of Tokyo)
- Americas
 - Jonathan Bagger (Johns Hopkins University)
 - The Fermilab Director (currently Pier Oddone)
 - David MacFarlane (SLAC)
 - Lia Merminga (TRIUMF)
 - Hugh Montgomery (Jefferson Lab)
- Asia
 - Jie Gao (IHEP, Beijing)
 - Rohini Godbole (Indian Institute of Science)
 - Sunkee Kim (RISP)
 - Atsuto Suzuki (KEK)
 - Yifang Wang (IHEP, Beijing)
- Europe
 - The CERN Director-General (currently Rolf Heuer)
 - The DESY Director of Particle Physics (currently Joachim Mnich)
 - Francois Le Diberder (IN2P3)
 - The JINR Director (currently Victor Matveev)
 - Lenny Rivkin (PSI).

Future objectives – Lyn to FALC, November 2012

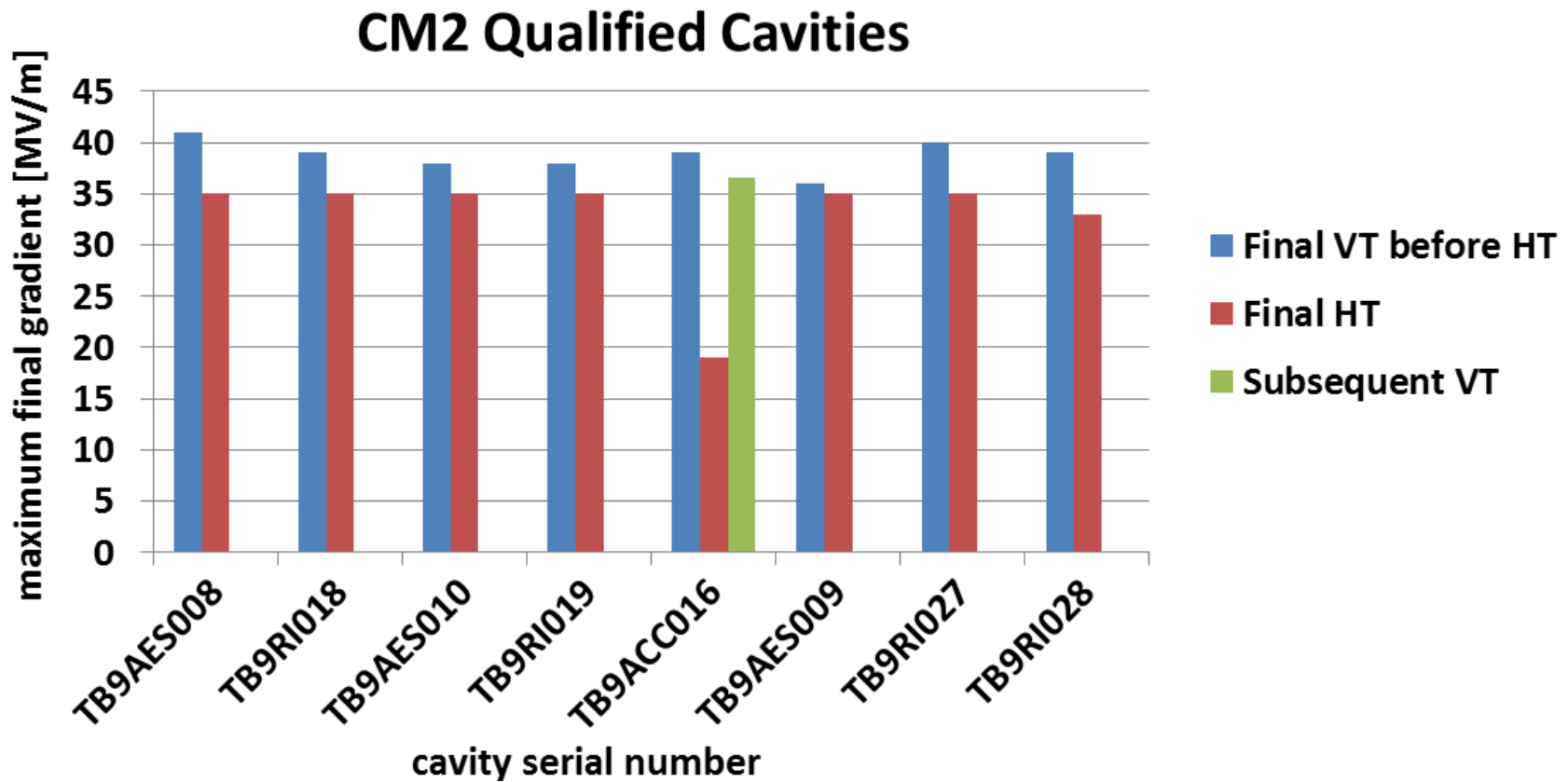
- Strongly support the Japanese initiative to construct a linear collider as a staged project in Japan.
- Prepare CLIC machine and detectors as an option for a future high-energy linear collider if the scientific case justifies it..
- Further improve collaboration between CLIC and ILC machine experts
- Move towards a “more normal” structure of collaboration in the detector community to prepare for the construction of two high-performance detectors.

Towards ILC construction: International – Suzuki to EU strategy mid December 2012



MH - What will/could the LC box do ?

First step is to wait for a mandate from the board



What will/could the ILC box do ?

Prepare for a construction project

- Japanese Mountainous Sites -

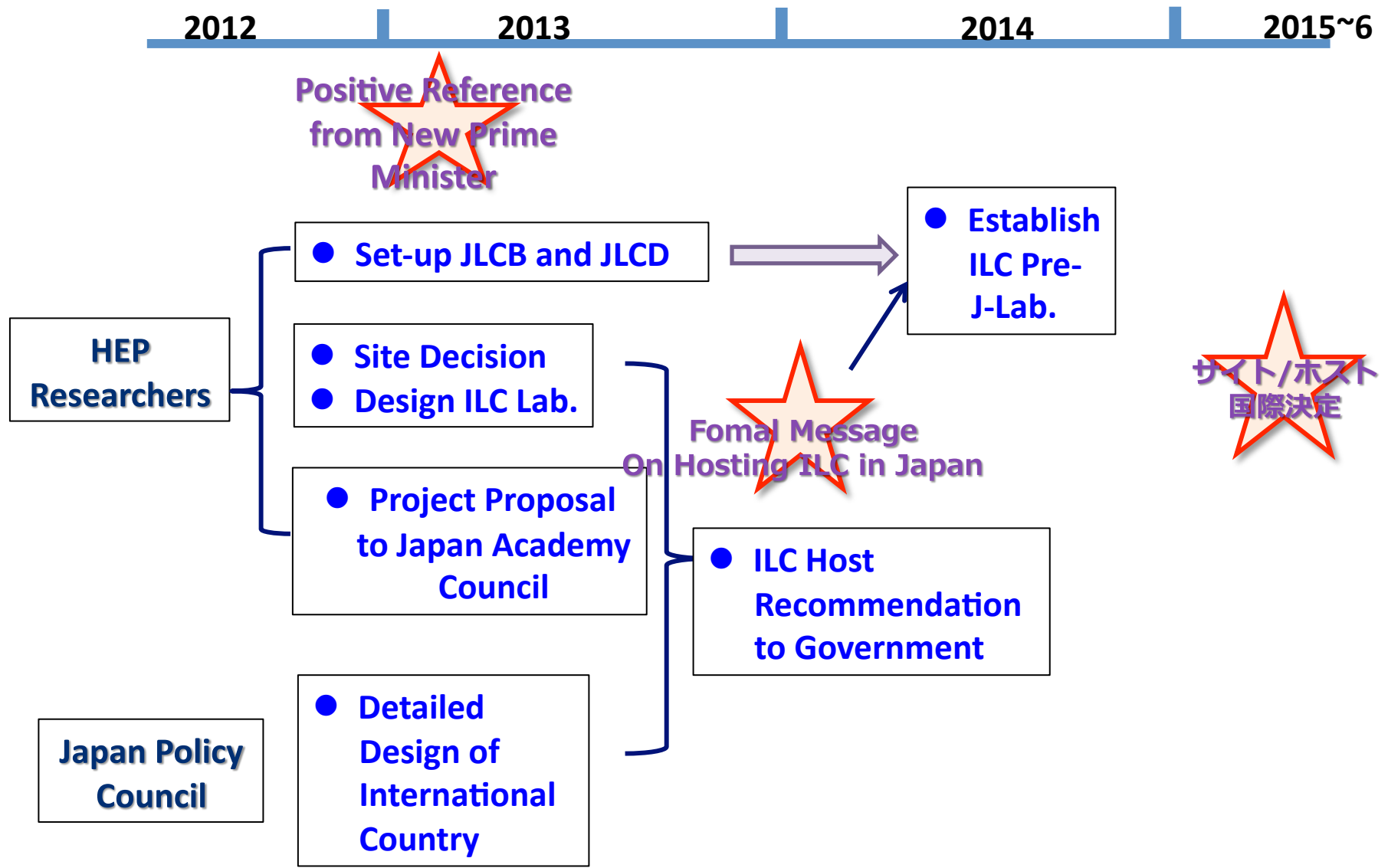


Site-A **KITAKAMI**



KYUSHU district

Towards ILC construction: Japan – Suzuki to EU strategy mid December 2012



The US ILC Program - Accelerator

After declaring victory on the GDE R&D program and “with no prospects of a project in sight” US funds were cut \$22M FY12 -> O(0) in FY13. O(0) equals GDE close-out funding + ~\$1M for LC collaboration activities.

We are currently requesting 4 FTE's of on-going LCC support + common fund + a continuation of the collaboration support in FY14 i.e. a continuation of the OHEP wait-and-see strategy.

Concern about the cessation of the US LC activities caused a letter from several Diet members to Brinkman proposing enhanced US-Japan collaboration on HEP/Accelerator items including ILC

Brinkman's response to Yosano et al..

for international engagement in the planning of future HEP facilities. Should the Japanese government desire to commence such discussions on an international linear collider, the U.S. Department of Energy Office of Science will consider participating, but we note that this process will require a thorough understanding of both the domestic scientific priorities in each major region.

Considering new physics results that will be available in the near future from the Large Hadron Collider, there are many possible paths forward for future experiments. The U.S. HEP community is working to consider the options as part of a community planning process culminating in a workshop planned for next summer. The community's physics studies and simulations are necessary to compare the scientific reach of the various options. Once these studies and the community input are complete, we will be in a better position to evaluate future U.S. priorities for the HEP program.

Energy Frontier Issues – Glen Crawford last week at Argonne

- **Discussions with CERN about follow-on to LHC Agreement proceeding**
 - Necessary precursor to planning for “Phase-II” upgrades
- **Energy Frontier science plan will require high-energy LHC running**
 - What is the real physics of the TeV scale?
 - This will likely take a few years to sort itself out
 - US “Snowmass” process is an important element, along with European and Japanese HEP strategies
- **Significant collaborations with other regions on future colliders will require a high-level approach between governments**
 - Modest ground-level efforts can continue as funding allows

Miscellaneous

MEXT indicates that a call for initial discussions with US & EU will start in the first half of the year

Visit from Japan to Washington this summer from AAAS political supporters

Japan Approves \$116 Billion for Urgent Economic Stimulus

By HIROKO TABUCHI

Published: January 11, 2013

The New York Times

It strikes me that

We are witnessing a relatively rare moment when the requisite celestial objects (physics, a host, international planning etc...) are aligned to the degree necessary to perhaps give rise to an international project.

At the very least we should take this opportunity to see where it may lead.