

Remarks

at the 2005 International Linear Collider Workshop

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August 23, 2005

Scientific Opportunities

- A century's progression:
 - Atom
 - Nucleus
 - Quarks & leptons
 - Existence of dark matter and dark energy
- ???

Progress

- Community getting organized
 - Hard technical choices being made
 - GDE formed
 - Making the scientific case
- In the US, Budgetary allocations are being made consistent with GDE advice
- DOE budget for ILC
 - De-apportioned
 - Budget line increased \$19M -> ~\$24M in-year.
 - Paul Grannis is the DOE ILC Program Manager
- Close DOE-NSF cooperation on ILC university grants

Challenges

- Large resources are at stake
 - At a level that touches the values and priorities of society at large
- International project from the beginning
 - This will be *hard*. Make no mistake about it.
- Achieving a consensus
 - That this is important for nations to do
 - That this is affordable to commit to do
 - That this will yield tangible and commensurate scientific results

Win Other Scientists' Support

- A big challenge
 - Recall the SSC project.
- But...it is not a zero-sum game.
- And the loss of the SSC did not help other scientific fields in the US.
- It is not enough to win arguments...one must win partners.
 - The two are not the same.

Win Society's Support

- You have one of the most powerful stories to tell. This is your strength.
- Communicate, communicate, communicate.
- In the US, we have used HEPAP (Quantum Universe, Exploring the QU...). Also, Symmetry magazine.
- It will take much more of this. Reserve your highest standards for this endeavor.
- Governments will listen.

Win Governments' Support

- Budgets are formed years in advance, and are process driven.
- DOE has expressed its support for an ILC. But this support depends on:
 - Cost & scientific validation
- For the US, the ILC lives in the shadow of the SSC.

QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.

Nobunaga

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Hideyoshi

QuickTime™ and a
TIFF (Uncompressed) decompressor
are needed to see this picture.

Ieyasu

QuickTime™ and a
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Bird