

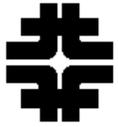


Informal LC Meeting (initiated by Dan Amidei) My Personal Perspective on Two Transparencies

finley@fnal.gov or <http://tdserver1.fnal.gov/Finley/011130LCmeet.pdf>

- **IF** we do a 500 GeV E_{cm} linear collider ASAP ...
 - There must be one LC coalescing “the best of each” from (more than a decade of R&D on) TESLA & NLC, etc.
 - To get the highest integrated luminosity ASAP:
 - Form one core group of people ASAP (from “the best of each”)
 - Start with “the best of each” from the technical R&D:
 - TESLA for Main Linacs (Energy and Reliability and Efficiency)
 - NLC for most of the rest (Luminosity and (some) SLC Experience)
- Thus, we have a goal and a best technical “approach”.
- So ... we have a mission. But do we have the leadership?

The essence of
My Humble Yet
Informed Opinion



What Do I See Going On Now At Fermilab On Linear Collider R&D etc? (In a nutshell)

- NLC: About \$2.5M / year now
 - Mostly for XBand Structures for the 8 Pack Test at SLAC
- TESLA: (much) Less than NLC (at least last week)
 - Getting acquainted with engineering issues of main linac
- Technology R&D needs protection (as well as expertise) from operations:
 - (See HEPAP Subpanel Letter at http://doe-hep.hep.net/lrp_panel/letters/finley.html)
 - Photoinjector at A0 Lab (Beam research opportunities and students)
 - Superconducting RF for CKM (Similar to TESLA)
 - Superconducting Magnets (One of Fermilab's strengths in technology R&D)
 - Get RF on a par with Magnets (Just getting beyond warm thoughts)
- Doom has been “around the corner” for as long as I remember.
 - And as long as it stays “around the corner”, we'll be OK. So chill out.
- End of 2nd transparency ... thus, end of presentation.