

STRUCTURES MEETINGS, WEEK 6-24-2004

- 0) Time: 8:30 - 9:30, Wednesday June 23rd.
Location: Beige Room, Room 144 of A&E Building

Review of status and issues

Specific items:

- Review of outstanding issues in design, assembly, preparation, and performance.
- First pass at priorities for the next 6 months.

- 1) Time: 9:30 - 12:00, Wednesday June 23rd.
Location: Beige Room, Room 144 of A&E Building

Structures Production

- Goals:
- Review all mechanical aspects of presently manufactured structures
 - Decide on what manufacturing processes/methods to adopt for future structures
 - Discuss longer assemblies of structures to form girder units
 - Discuss/develop mechanical specifications for structures
 - Discuss steps leading to industrialization of structure production

Specific items

- Features of structures needed in next 6 months
 - Type of couplers
 - Type of HOM ports
 - Should they be wake-field ready

Variations in assembly/prep techniques we may want to test

Time scale to achieve the first wakefield ready structures

- Time scale for building structures with rounded cells.
 - Assembly procedure for rounded cell structures

Time scale for building super-structures

Time scale for seeking additional cell vendors

Time scale for having industry build complete structures

- 2) Time: 1:30 - 5:00, Wednesday June 23rd.
Location: Conference Room, Room 131 of Klystron Department Building

Structure Design

- Goals:
- Review plans/details for remaining FXD structures
 - Discuss plans/details for FXE structures
 - Discuss plans/details for next SLAC structures
 - Discuss HOM manifolds, loads, readouts
 - Discuss the latest developments in wakefield control

Specific items

Plans for achieving wakefield ready structures
- Wakefield evaluation without ASSET
Rounded cell designs
Issues related to trapped modes
Issues related to high power operation with in-line HOM

loads

- 3) Time: 8:30 - 12:00, Thursday June 24th.
Location: Fuji Room, NLC Building

Girders & Strongbacks

Goals: -Review present state of girder R&D
-Determine strongback requirements for future NLCTA and 8-Pack testing
-Define the number of structures on an NLC girder
-Determine all of the auxiliary equipment to be mounted on an NLC girder (=> define the overall length)
-Discuss/develop mechanical specifications for girders (also determine structure/girder system operating temp.)

Specific items

Girder specifications (2 KEK structures) for possible ASSET test in October
Girder requirements for NLC/GLC

- 4) Time: 1:30 - 5:00, Thursday 24th.
Location: Gold Room, Room 116 of A&E Building

Budget and Schedule

Goals: -Discuss NLCTA testing schedule for remainder of FY04
-Discuss NLCTA testing plans for FY05
-Discuss 8-Pack plans for remainder of FY04 and FY05
-Discuss ASSET test plans for FY04 and FY05
-Discuss FY05 Budget
-Discuss FY06 Budget