



LINEAR COLLIDER COLLABORATION

Designing the world's next great particle accelerator

CFS Two-Day Workshop – CERN
Introduction and Workshop Objectives
May 27-28, 2015
V Kuchler



Overview

- ***Introduction***
- ***Topics of Discussion***
 - ***Japanese Site Specific Cryo Design***
 - ***ILC Status in Japan***
 - ***ARUP Consulting and Tunnel Optimization Tool (TOT)***
- ***Status, Resources and Planning for LCWS15***



Introduction

- ***CFS Group Maintains Our Efforts and We Appreciate CERN's Hospitality***
- ***This is a Working Meeting with Ample Time for Discussion***
- ***With Limited Resources We Need to Carefully Plan Out Our Work***
- ***We Continue to Meet and Work as a Group***
- ***This Workshop is an Important Part of this Process***



Japanese Site Specific Cryo Design

- ***Current Focus is to Move Most of the Cryo Equipment from the Underground Access Halls to the Surface at the Entry to the Horizontal Access Tunnels***
- ***Valuable Information can be Gained from the Existing Cryo System at CERN***
- ***Site Specific Conditions Must be Balanced with an Optimized Design Solution***

OBJECTIVE: Develop a Site Specific Cryo System Design. Do We have the Resources ? Can this be Completed by LCWS15 ?



ILC Status in Japan

- ***Work on a Site Specific Design Continues Primarily in Japan***
- ***Changes to the TDR Baseline Design are Currently Being Reviewed by the CMB***
- ***Many of these Changes Affect the CFS Group***
- ***Understanding Available Resources is Essential in Order to Maximize Our Effort and Coordinate with Other Local Efforts in Japan***

OBJECTIVE: Develop an Accurate Resource Profile for JP FY16 (17 ?)



ARUP Consulting and TOT

- ***Regular Meetings are Being Held and Progress is Steady***
- ***KEK, Tohoku University, CERN and DESY Personnel are All Successfully Working Together with ARUP Representatives***
- ***TOT will be an Extremely Useful Tool for the Optimization of the Japanese Site Specific Design***

OBJECTIVE: Complete the TOT by LCWS15



Status, Resources and Planning for LCWS15

- ***This Workshop will be a Working Effort with Discussion Encouraged***
- ***CMB will Continue to Process Change Requests***
- ***CFS Group Needs a Clear Understanding of what is Required to Continue Site Specific Design and Review Change Requests as Needed***
- ***As We Discuss the Topics at this Workshop, We Need to Understand what Can Be Accomplished in Time for LCWS15, the Resources Needed and the Resources Available***
- ***This Workshop will Help to Develop the CGFS Agenda for LCWS15***