e-
Summary
Day 1
25 Sept 2007
SLAC

Marc Ross

Fermilab GDE Meeting 22-26.10

- Please prepare & post parallel session agenda!
- At the Fermilab GDE meeting there will be
  - **½ hour of closing plenary presentation for this critical system.**
  - **1 ½ hours of EDR Group Leaders meeting to talk about**
    - initial work package information Be prepared to talk about the manner in which the community was canvassed and expressions of interest were solicited.
    - be prepared to talk about the agenda and goals for your parallel session, including joint sessions (as usual).
    - we would like to begin planning for the next set of multi-day group-by-group meetings, to take place in the coming winter and spring. Please be prepared to describe how best to organize these and an appropriate charge.
    - we would like to review your plans, leading to the next GDE meeting (Tohoku, Sendai – March 3, 2008), for developing the EDR schedule. The EDR schedule, with resource information, will be published at that meeting.

Findings from this meeting - integration

- It should be possible to construct *a CM* with a choice of key components from different suppliers
  - **(also *a linac,* also a *cavity assembly*)**
  - **'plug compatibility'**

  Develop a schematic plan for how this would be managed
- There are valid reasons to explore this possibility, even while retaining a 'unified design' goal
  - **New shapes, cost cutting →**

  List these reasons and develop supporting arguments
- Definition – requires interface and performance specifications

  Develop mechanics, and actual specifications to enable
- Some of the interface and performance specifications require development
  - **'reliability' and 'maintainability'**

  Identify 'difficult' specifications and draft

Findings – RDR status

- No clean breakdown of CFS costs
  - **Such a breakdown (for US only) should be available from Fred for Axel to compare with RDR baseline**
- Dump enclosure costs (probably) not included
  - **Develop model for dump costs with CFS group. This is also underway for RTML**
- Source cryoplant costs

Findings – EDR Management

- Definition of allowable CAD tools and associated design controls
- Assignment of responsibility for installation costs
- CFS / e- EDR interface – who is responsible for what
- Control of existing cost information, including line item details
- Size of the EDR
- Development of options (e- e-, gamma gamma)

Findings – Source design (WP's)

- Definition of Gun baseline and justification of HV RD
- Corrector magnets – NC
- Aperture margin