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**CHANGE
REQUEST
NO. ILC-CR-NNNN**

EDMS No:
D*0XXXXXX

Created: **27-08-2014**

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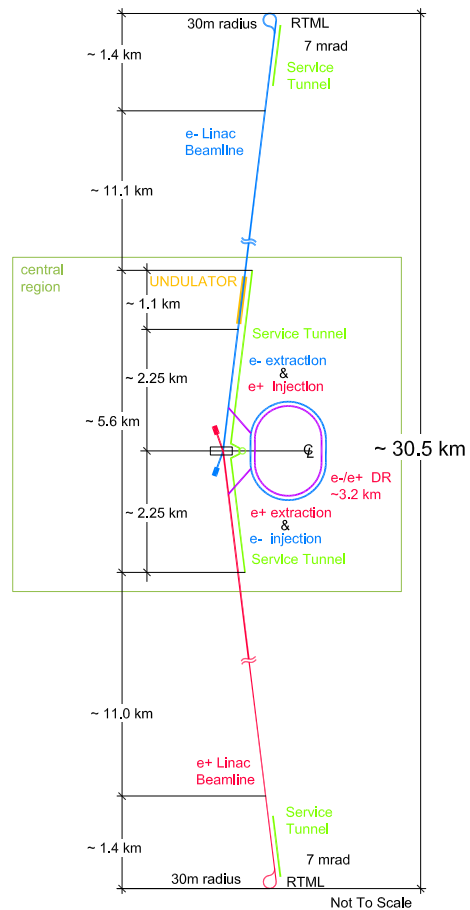
[ORIENTATION OF ELECTRON/POSITRON LINACS]

The orientation of the accelerator complex in TDR is shown in Figure 1. The electron linac drawn on the upper side and the positron linac on the underside with the damping ring on the right side. The present change request is to flip the two main linac, i.e, the electron- and positron-linacs is on the upper side and on the underside, respectively, with the damping ring on the right side.

[Few sentences describing the main subject of the change request]

RATIONALE

The proposed site in Kitakami area is a granite area which is long in the north-south direction, therefore the main linac is to be constructed in the north-south direction. Since the elevation tends to be lower in the west side, all the portals of the access tunnels, as well as the damping ring, should be on the west side of the main linacs to minimize the total length of the access tunnels. Since the elevation tends to be higher in the north compared to the south, and the arrangement of the utility caverns is not symmetrical with respect to the interaction point, the total length of access tunnels can be minimized by flipping the electron- and positron linacs. The current siting study suggests the total length of access tunnels would be minimized if the electron linac is on the north side and positron on the south side.





[Outline briefly as possible the main reasons for requesting the change]

SCOPE: [list of WGs or areas affected]

[Brief description of the overall scope of the modifications being proposed, including possible impact on other areas]

Optics

Drawings

VALUE/SCHEDULE IMPACT

[Brief explanation of the estimated value figure if available. Also if know, impact on construction schedule. Value should also include explicit labour if possible]

The proposed arrangement of the accelerator complex is the best design, which minimize the value and construction period as long as Kitakami is assumed to be the construction site.

Requested and prepared by: | Your name



Attachments:

Number:	modified:	by:
1	[Add title of attached documents (see here) if any]	
2		
...		

Change History:

Version:	modified:	by:	what:
1.0			



IMPLEMENTATION PLAN

Can be left blank for first submission.

Concerned Parties (Work Packages, Coordinators, Suppliers etc.)

WF/Area	

Affected documents

EDMS ID	Title	Remark



ATTACHEMENT 1

[Place additional document here as needed. This can be used for adding a more detailed description of the CR]