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C-A OPERATIONS PROCEDURES MANUAL

15.10.2.3 Procedure to Lock the Automatic Frequency Control Loop for RFQ1

(Preinjector Systems/LINAC Group Procedure LN011)

Note: This document was formerly a C-A Group Procedure. The content of the group procedure was reviewed by the Technical Supervisor. All approvals and/or issue dates of the original group procedure are maintained for present use.

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
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Approved: _____ Signature on File _____
 Collider-Accelerator Department Chairman Date

V. Lodestro

Preinjector Systems/LINAC Group Procedure LN011

Original Issue Date: 12/29/1988

Revision 01

1.0 Procedure

- 1.1 Switch loop to manual control. Adjust tuner loop position for best VSWR.
- 1.2 Set RFQ gradient to desired level. (250 on Slidback Detector)
- 1.3 Adjust frequency reference pot for 0 degrees error, on frequency loop error meter.
- 1.4 Switch loop to auto position.
- 1.5 Some slight adjusting of reference pot may be required to achieve min. reverse driver power. (In closed loop, no loop error will result from this adjustment, 0 degrees will remain on the meter. The loop error LED will blink if error is $> \pm 20$ degrees.)