

# LINAC COMMISSIONING FORM

24-Sep-2001

**Major Category :** DTL Tank 1 + D-plate

**Sub-Category :** Beam sub-category

**Sub-System :** Beam profiles

**Objective:** To obtain preliminary transverse matching and  
to obtain beam profiles vs. quad scan

**Requested by :** Jim Stovall (LANL) and Dong-o Jeon (SNS)

**Date Proposed :** July 2003

**Estimated Time to Complete :** 12 shifts

**Estimated Manpower to Complete :** 36 man-shifts

**Priority/Order:** high / 3

**Basic Equipment Needs :** Fully functioning FE and D-plate

**Special Equipment Needs :** None

**Software/Application needs :** T.B.D.

**Input Beam Requirements :** 2.5 MeV beam up to 50 $\mu$ s pulse, variable beam  
currents up to full current

**Other prerequisites :** None

**Correlations Sought :** beam profiles vs. MEBT matching quad scans

**Procedure:** Fitting the observed beam size/profile to design

**Supporting Computations :** None

**Problems Expected :**

**Comments:**

**Date Completed LANL:**

**Date Completed ORNL:**

**Results:**

**Problems Encountered:**