

LINAC COMMISSIONING FORM

24-Sep-2001

Major Category : DTL Tank 1 + D-plate

Sub-Category : Beam sub-category

Sub-System : 7.5 MeV Emittance Scan

Objective: To obtain transverse matching and to obtain beam parameters

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

Date Proposed : July 2003

Estimated Time to Complete : 24 shifts

Estimated Manpower to Complete : 72 man-shifts

Priority/Order: high / 4

Basic Equipment Needs : Fully functioning FE and D-plate

Special Equipment Needs : None

Software/Application needs : Automated software to compute the emittance

Input Beam Requirements : 2.5 MeV beam up to 50 μ s pulse, variable beam currents up to full current

Other prerequisites : None

Correlations Sought : Transverse emittances vs. MEBT matching quads scan

Procedure: Minimize transverse emittances while doing quads scanning

Supporting Computations : None

Problems Expected :

Comments:

Date Completed LANL:

Date Completed ORNL:

Results:

Problems Encountered:

