

EXTENDED PROTON BEAM SPOT SIZE AT NEUTRINO
TARGET -- 200 GeV

T. E. Toohig

August 1972

The size of the extracted proton beam image at the target on the Neutrino Laboratory Prototype Target Load was measured in two ways during the 200 GeV running on July 11, 1972.

A copper foil was exposed at the target position and then used to expose a polaroid film by contact. The resultant image is shown in Figure 1, reproduced at 1:1 magnification.

A glass plate was exposed at the same position and time. The resultant darkening of the plate was measured on a micro densitometer by the Radiation Physics Group. The densitometer trace is drawn in Figure 2.

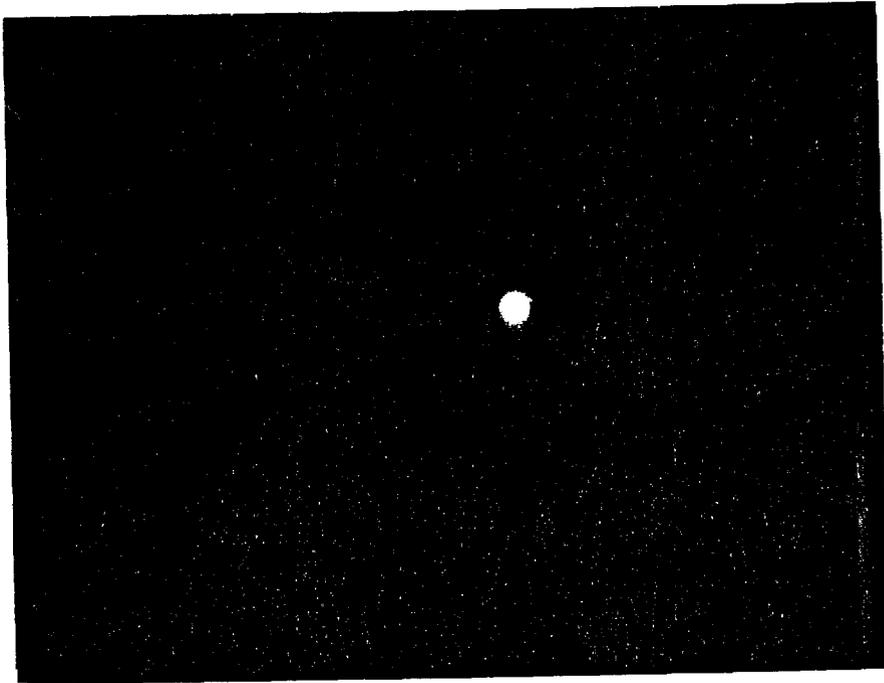


Figure 1
Extracted Proton Beam Focal Spot at Neutrino Target - 200 GeV



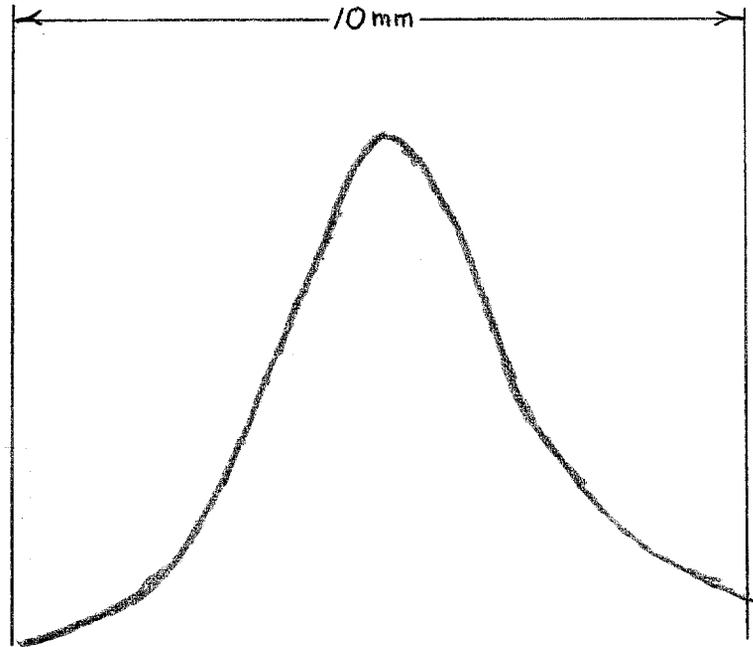
SUBJECT

-3-

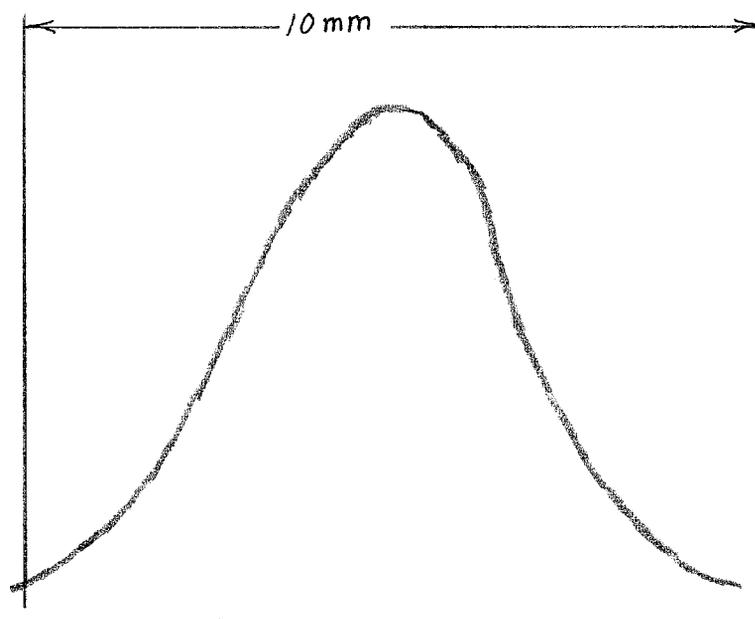
NAME

DATE

REVISION DATE



Horizontal trace



Vertical trace

Figure 2

Extracted Proton Beam Focal Spot - 200 GeV
Microdensitometer Trace