# SPACE REQUIREMENTS FOR THE TERMINATING RESISTORS IN THE ACCELERATOR RING TUNNEL

S. Milner

At present the kicker magnet is likely to be either a moving polepiece magnet or a full aperture. In the first case it will have 6 magnet units, in the second case 10. In both cases the terminating resistors will be located close to the kicker magnet vacuum tank at the inside of the accelerator ring tunnel. This is possible, since the presently used electrolytic terminating resistors have shown to require extremely little or no maintenance and have not shown any change under the radiation conditions at comparable places in the CERN-PS.

As the attached sketch shows, it is proposed to place the resistors in two groups (either 2 x 3 or 2 x 5) into two arches of the exterior wall of the tunnel. The high voltage pulse cables could go vertically down from the kicker magnet tank, pass under the floor and come up through holes under the resistors. The wall of these arches should be left free over a height of 2 meters. It must be verified that a convenient and accessible passage for the high voltage pulse cables is available in the basement under the floor.