

Induced Radioactivity Decrease Method in High Intensity Ion Linacs, A.A. DROZDOVSKY, ITEP -

To keep induced radioactivity to retain hand-on maintenance is a main task of high intensity linacs design. It was shown to decide the problem to cover accelerators tubes inside by a layer with a low radionuclides yield. Energy distributions of the layers thickness was obtained for ion fall at small angle to the layer. It is also shown that the low secondary particles yield from the layer allows utilization of hard magnet focusing lenses.