

100 MeV Linac status design from the CMAP

Abstract

In this work we present a new project that consist in the preliminary design of an electron linear particle accelerator (eLINAC) capable of deliver beam at different energies from 5 MeV to 100 MeV using the S-Band acceleration frequency, designed by the Comunidad Mexicana de Aceleradores de Particulas. The design takes in to account the beam space charge and realistic magnet distributions to create a more realistic simulation.

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