

MTA Removable Beam Absorber

Once commissioned, the secondary production beamline in the MeV Test Area (MTA) will require a removable beam absorber for continuous beam operation. A 4" x 4" x 4" tungsten core will absorb the full 15 Hz 400 MeV Fermilab Linac primary proton beam. However, the residual activation will constrain work activities in the hall, so a 1' marble casing is proposed entombing the core. Marble has minimal residual activation. This presentation describes the initial concept and planned ANSYS analysis.

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