

Radiation Measurements at the RPTC in Munich for Verification of Shielding Measures around the Cyclotron Area

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The Rinecker Proton Therapy Center (RPTC) in Munich is equipped with a cyclotron with a planned extracted current up to 500 nA protons. By means of a degrader and energy selection system the proton energy is varied between 70 and 250 MeV. After a brief description of the method for determination of shielding thicknesses, based on AREVA NP's presentation at SATIF-7 May 2004, results of a radiation survey around the cyclotron /degrader area will be presented. A comparison for the predicted and resulting annual individual doses at the survey locations will be given.