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Dose distributions of different particles in a water phantom

Tuesday, 16 January 2018 09:30 (15 minutes)

Monte Carlo simulation using FLUKA code for dose distribution is presented and discussed. Dose distribution was scored in water phantom block produced by photon, electron, proton and carbon ion pencil beams for various energies using 1 million primary particles for 5 cycles. A comparison and analysis of particles contributing to the total dose deposited is given as well as the dose shapes.

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