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Investigation of Photoneutron Production by Siemens Artiste Linac: A Monte Carlo Study

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Abstract.

In radiotherapy with electron or photon beams, if the produced photon energy is higher than $\sim 7\text{MeV}$, neutrons may be produced through photoneutron interaction, exposing not only the patient but the personnel outside the room, by passing through the walls or skyshine. This exposure to photoneutron induced doses can be detrimental to people's health.

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