Photon activation of the Alcator C-MOD limiter and RF antenna

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Abstract

This paper summarizes the results from activation measurements of the limiter and the RF antenna in Alcator C-MOD. The measurements were taken after the run period from May to October of 1993, during which hydrogen and deuterium discharges were studied. We conclude that Bremsstrahlung photons generated by runaway electrons striking these materials induced most of the high threshold activation reactions. This means that electrons with energies higher than 10 MeV must have been generated in runaway discharges.